

| BLACK GOLD DRILLING, INC. | | | | MORNING REPORT | | | | DATE | PT | TYPE | JOB NO. | WELL TYPE | | | | |
|---------------------------------------|---|--|--------------------------|--|-------------------------------------|---------------|-------------------|---|--------------------|----------------------------------|--|----------------------|----------------------------|------------|----------------|--|
| WELLNAME COTTONWOOD GRAZING ASSOC. | | | | LEGAL DESCRIPTION NE NE SEC 22, T012S, R62W | | | | SPUD DATE / TIME 02-03-11 18:00 | | DAYS FR SPUD 4 | | PROJECTED TO 6650 | | | | |
| OPERATOR CJ NOLTE LLC | | | | COUNTY / PARISH Lincoln | | | | STATE CO | | JOB START DATE 01-28-11 06:00 | | DAYS ON JOB 10 | | | | |
| RIG MANAGER BOB KJENSEN | | | | RIG PHONE NUMBER 719-691-1584 | | | | OPERATORS REPRESENTATIVE CLIFF NOLTE | | CD. MAN PH NO. 303-420-7971 | | RELEASE DATE / TIME | | | | |
| WEATHER COLD | | | | OPERATIONS @ REPORT TIME DRILL AHEAD 778 HOLE | | | | OPERATIONS NEXT 24 HRS DRILL AHEAD | | | | | | | | |
| SAFETY | ACCIDENTS / ON NEAR MISSES NONE | | | | # OF JSA's | | RIG SAFETY DAYS | | SAFETY RATE | | G.P.S. COORDINATES N 38.9857 W -103.213 | | BOP TEST DATE / PRESSURE | | | |
| | SAFETY MEETING TOPICS CREW SAFETY TRAINING | | | | # STOP CARDS | | LAST MEETING DATE | | | | CROWN-O-MATIC CHECKED | | BOP DRILL DATE / TIME | | | |
| | LAST INSPECTION | | | | INSPECTION BY / TITLE | | CREW M / U | | EXTRA CREWS / WHY? | | OFFICE NOTIFIED | | MANHOURS PAST 30 112.00 | | | |
| OPS | CURRENT DEPTH 2219 | | FOOTAGE LAST 24 1706 | | PEK RATE 56.867 | | ROT. HRS 30.0 | | MAX GAS | | SCKOR GAS | | CONH GAS | | | |
| | HOOKLOAD | | PICKUP WEIGHT | | SLACKOFF | | ROTATING | | ROTARY TORQUE | | NEXT CASING SIZE & SET DEPTH | | RIG COSTS | | | |
| | Time 1400 | | Mud Wt RI / OUT 9.4 | | Funnel Vts 36 | | PV | | YLD PT | | 10 S GEL | | 10 M GEL | | | |
| MUD | Mud Type | | % SOLIDS | | % LCM | | % SAND | | % OIL | | % H2O | | pH | | | |
| | CENTRIFUGES | | SHAKER TYPE | | SCREENS | | CHANGED | | WATER SOURCE | | CUMULATIVE DAILY 3588.79 | | CUMULATIVE DAYS 3.0 | | | |
| | FUEL ADDED TO MUD TODAY 0.00 | | MUD COSTS CUM 3588.79 | | AVERAGE 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | |
| TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE | | | | | | | | | | | | TIME BREAKDOWN | | (Today / Well) | |
| | FROM | TO | HRS | CODE | | | | | | | | | 1. RIG UP / DOWN | | | |
| | 600 | 0730 | 1.5 | 2 | DRILL ACTUAL F/513 - T/ 835 | | | | | | | | 2. DRILLING | 30.0 | 47.25 | |
| | 0730 | 0745 | 0.25 | 10 | DEVIATION SURVEY @ 535 1.83 DEG. | | | | | | | | 3. BEARING | | 14.5 | |
| | 0745 | 1130 | 3.75 | 2 | DRILL ACTUAL F/ 636 - T/ 912 | | | | | | | | 4. STOPPED | | 4.5 | |
| | 1130 | 1200 | 0.5 | 7 | LUBRICATE RIG SURVEY @ 912 1.49 DEG | | | | | | | | 5. CONN & CING | 4.25 | 2.25 | |
| | 1200 | 1400 | 2.0 | 2 | DRILL ACTUAL F/ 912 - T/ 1067 | | | | | | | | 6. TRIPS | 1.25 | 1.25 | |
| | | | 0.0 | | JET & CLEAN #1,1,2,1 | | | | | | | | 7. LUBRICATE RIG | | | |
| | 1400 | 1600 | 2.0 | 2 | DRILL ACTUAL 1063-1223 | | | | | | | | 8. REPAIRING | 0.75 | 1.5 | |
| | 1600 | 1815 | 0.25 | 10 | DEVIATION SURVEY AND RIG SERVICE | | | | | | | | 9. END DRILL LINE | | | |
| 1815 | 2100 | 4.75 | 2 | DRILL ACTUAL 1223-1504 | | | | | | | | 10. DEVIATION | | | | |
| 2100 | 2115 | 0.25 | 10 | DEVIATION SURVEY | | | | | | | | 11. WIRELINE LOG | | | | |
| 2115 | 2200 | 0.75 | 2 | DRILL ACTUAL 1504-1534 | | | | | | | | 12. RUN LOG & CMNT | 2.75 | | | |
| 2200 | 430 | 0.5 | 2 | DRILL ACTUAL 1535-1818 | | | | | | | | 13. WAIT ON CEMENT | 8.0 | | | |
| 430 | 445 | 0.25 | 7 | LUBRICATE RIG W/ SURVEY | | | | | | | | 14. NIPPLE UP BOP | 4.5 | | | |
| 445 | 600 | 1.25 | 2 | DRILL ACTUAL 1816-1847 | | | | | | | | 15. TEST BOP | 0.25 | | | |
| 600 | 1145 | 5.75 | 2 | DRILL ACTUAL F/ 1847 - T/ 2126 | | | | | | | | 16. DRILL STEM TEST | | | | |
| 1145 | 1215 | 0.5 | 7 | LUBRICATE RIG AND WIRELINE SURVEY .44 DEG | | | | | | | | 17. PLUGBACK | | | | |
| 1215 | 1400 | 1.75 | 2 | DRILL ACTUAL F/2126 - T/ 2219 | | | | | | | | 18. SQUEEZE CMNT | | | | |
| 1400 | | 0.0 | | | | | | | | | | 19. FISHING | | | | |
| | | | | | | | | | | | | 20. OIL WORK | 0.5 | | | |
| | | | | | | | | | | | | | 13.75 | | | |
| | | | | | | | | | | | | | 0.5 | | | |
| | | | | | | | | | | | | OTHER | 0.0 | | | |
| | | | | | | | | | | | | Total Hours | 32.6 | 105.75 | | |
| BITS | BIT# | SIZE | TYPE | MAKE | SERIALS | NOZZLES | IN @ | OUT @ | DRILLED | HRS | CUM HRS | CONDITION | R.O.P | | | |
| | 2 | 7 7/8 | GT-03 | HTC | 5179021 | 3-14 | | 437 | | 8.75 | 10.25 | | | | | |
| | 2 | 7 7/8 | GT-03 | HTC | 5179021 | 3-14 | | 437 | | 16 | 17.50 | | | | | |
| | 2 | 7 7/8 | GT-03 | HTC | 5179021 | 3-14 | | 437 | | 23.75 | 25.25 | | | | | |
| PUMPS | Depth | GPM | PRESSURE | Pump 1 | Pump 2 | Pump 3 | Pump 4 | TYPE | STROKE | Manufacturer | HRS | Total HRS | MAX PSI | W.C. (SPM) | | |
| | 513 - 1067 | | 580 | 6 | 52 | | | | | | | 0.00 | | | | |
| | 1067 - 1535 | | 550 | 6 | 52 | | | | | | | 0.00 | | | | |
| | 1535 - 1847 | | 600 | 6 | 52 | | | | | | | 0.00 | | | | |
| DRILLSTRG | SIZE | WEIGHT | GRADE | LD | T.O.D. | THREAD | # JTS | LENGTH | IN HOLE | ON BACK | REMARKS | DRILL STRING REMARKS | | | | |
| | | | | | | | | | | | | | | | | |
| ENGINES | LOCATION | | | | | | | | | | | | | | | |
| | Co No | | | | | | | | | | | | | | | |
| | HRS TODAY | | | | | | | | | | | | | | | |
| | HRS ON WELL | | | | | | | | | | | | | | | |
| RIG FUEL | DELIVERED TODAY | | | | | | | | | | | | | | | |
| | On Hand | 1746.00 | | | | | | | | | | | | | | |
| | Used Today | 871.00 | | | | | | | | | | | | | | |
| | Used This Well | 1568.00 | | | | | | | | | | | | | | |
| MUD MTR | DESERIAL # | HRS LAST 24 | TOTAL HRS | CUM. WELL HRS | FOOTAGE LAST 24 | TOTAL FOOTAGE | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| RENTAL ITEMS | DESCRIPTION | DAY/RI | STORY | WRLY | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| REPORT REMARKS | TORRI ROMERO | SAFETY MEETING-P.P.E. | | | | | | | | | | | | | | |
| | TORRI ROMERO | CARRY CARL BURKE & GARY JONES FOR 8 HRS NOT YET IN PASON | | | | | | | | | | | | | | |
| | TORRI ROMERO | 2-6-11 JOHN LYNCH AND CORY TAYLOR 4 HRS EACH HOTSHOT | | | | | | | | | | | | | | |
| | TORRI ROMERO | 17.5 BIT TO RIG FROM EADS COLO. | | | | | | | | | | | | | | |
| DEPTH DRILLED | FROM | TO | CODE | W.C. | W.C. | | | | | | | | | | | |
| | 513 | 1067 | D | 80 | 8 | | | | | | | | | | | |
| | 1067 | 1535 | D | 80 | 10 | | | | | | | | | | | |
| | 1535 | 1847 | D | 100 | 8 | | | | | | | | | | | |
| REPORT REMARKS | JOHN ROUSE | FUEL-60" 2139 GAL | | | | | | | | | | | | | | |
| | SHAWN PAGE | FUEL-54" 1925 GALLONS | | | | | | | | | | | | | | |
| | | FUEL-46" 1746 GALLONS | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

| BLACK GOLD DRILLING, INC. | | | | MORNING REPORT | | | | DATE 20110208 | | R# 69 | | TYPE | | JOB NO. | | WELL TYPE VER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------------------|------------------------|--|-----------------------|------------------|-------------------|--|--------------------|----------------------------------|---|--------------------------------------|--------------------------|---------------------|--|-------------------------|------------------------------|-----------------------|--|------------------------------|--|-------------------|--|-----------------------|---|--------------|--|-------------------|--------------|------------------------------|-----------------|---------|--|----------------|------------|-------------|---------|------------|--------|------------------------|------|-------|-------------------|--------------------------------------|----------------------------------|-----------------------------|--|-------------------------|------------|-----------------------------|-----------------------|------------|-----------------------------------|-------------------|------------------------|-----------------------|-------------------|--------------|--|-------------------|--------------|-----------------------|-----|-------|------------------------|---|-----|------|---|------------------------|-----|------|------|---|---|-------|------|----------|--------|------------------------|--------|--------|------|--------|--------------------------------------|------|-----------|---------|--------|------------------------|---|--|-----|---|----|--|--|--|--|--|------------------|-------------|--------------|-----------|------------------|-------------|------------------|---------------|-------------------|---------------|------------------|--------------------|--------------------|-------------------|--------------|---------------------|--------------|-------------------|-------------|---------------|-------------|-------------|-----|---|----|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|
| WELLNAME COTTONWOOD GRAZING ASSOC. | | | | LEGAL DESCRIPTION NE NE SEC 22, T012S, R52W | | | | SPUD DATE / TIME 02-03-11 18:00 | | DAYS PR SPUD 5 | | PROJECTED TO 6550 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OPERATOR CJ NOLTE LLC | | | | COUNTY / PARISH Lincoln | | | | STATE CO | | JOB START DATE 01-28-11 06:00 | | DAYS ON JOB 11 | | EST. RELEASE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RIG MANAGER BOB KLIJSEN | | | | RIG PHONE NUMBER 719-691-1584 | | | | OPERATOR'S REPRESENTATIVE CLIFF NOLTE | | | | CO. MAN PH NO. 303-420-7971 | | RELEASE DATE / TIME | | WEATHER COLD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OPERATIONS @ REPORT TIME DRILL AHEAD 77/8 HOLE | | | | OPERATIONS NEXT 24 HRS DRILL AHEAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAFETY | ACCIDENTS OR NEAR MISSES: NONE | | | | # OF JSA's | | RIG SAFETY DAYS | | SAFETY RATE | | GPS COORDINATES N 38.9857 W -103.213 | | SOP TEST DATE / PRESSURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SAFETY MEETING TOPICS SNOW STORM LOW VISIBILITY | | | | # STOP CARDS | | LAST MEETING DATE | | | | CROWN-O-MATIC CHECKED | | SOP DRILL DATE / TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LAST INSPECTION | | | | INSPECTION BY / TITLE | | CREW M / U | | EXTRA CREWS / WHY? | | OFFICE NOTIFIED | | MANHOURS PAST 24 | | SOP DRILL DATE / TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OPS | CURRENT DEPTH 3045 | | FOOTAGE LAST 24 826 | | PEN RATE 27.082 | | ROT HRS 30.5 | | MAX. GAS | | BCKGR GAS | | CONN. GAS | | TRIP GAS | | LAST CASING SIZE & SET DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HOOKLOAD | | PICKUP WEIGHT | | SLACKOFF | | ROTATING | | ROTARY TORQUE | | NEXT CASING SIZE & SET DEPTH | | | | | | RIG COSTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Time 1000 | | Mud Wt W / OUT 9.3 | | Funnel Vis 43 | | PV | | YLD PT | | 10 S GEL | | 10 M GEL | | FL. Loss | | FLT. CK | | HTP FL | | HTP FC | | FUEL ADDED TO MUD TODAY CUM. 0.00 | | AVERAGE | | 0.00 | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUD | Mud Type | | % SOLIDS | | % LCM | | % SAND | | % OIL | | % H2O | | pH | | MF | | PF | | CALCIUM | | CHLORIDES | | MUD COSTS DUM. 3558.79 | | CUMULATIVE | | 0.00 | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CENTRIFUGES | | SHAKER TYPE | | SCREENS | | CHANGED | | NO-REPORT | | WATER SOURCE | | CUMULATIVE DAYS | | 4.0 | | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE | | | | | | | | | | TIME BREAKDOWN (Today / Week) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>HRS</th> <th>CODE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>600</td><td>1145</td><td>5.75</td><td>2</td><td>DRILL ACTUAL F/1847 - T/2126</td></tr> <tr><td>1145</td><td>1215</td><td>0.5</td><td>7</td><td>LUBRICATE RIG AND WIRELINE SURVEY .44 DEG</td></tr> <tr><td>1215</td><td>1400</td><td>1.75</td><td>2</td><td>DRILL ACTUAL F/2126 - T/2219</td></tr> <tr><td>1400</td><td></td><td>0.0</td><td></td><td></td></tr> <tr><td>1400</td><td>1915</td><td>5.25</td><td>2</td><td>DRILL ACTUAL 2219-2440</td></tr> <tr><td>1915</td><td>1930</td><td>0.25</td><td>10</td><td>DEVIATION SURVEY AND RIG SERVICE</td></tr> <tr><td>1930</td><td>2200</td><td>2.5</td><td>2</td><td>DRILL ACTUAL 2440-2510</td></tr> <tr><td>2200</td><td>245</td><td>4.75</td><td>2</td><td>DRILL ACTUAL 2510-2723</td></tr> <tr><td>245</td><td>300</td><td>0.25</td><td>7</td><td>LUBRICATE RIG</td></tr> <tr><td>300</td><td>600</td><td>3.0</td><td>2</td><td>DRILL ACTUAL 2723-2835</td></tr> <tr><td>600</td><td>945</td><td>3.75</td><td>2</td><td>DRILL ACTUAL 2835-2944</td></tr> <tr><td>945</td><td>1000</td><td>0.25</td><td>8</td><td>REPAIR RIG TIGHTEN JAMNUT BRAKE LINKAGE</td></tr> <tr><td>1000</td><td>1315</td><td>3.25</td><td>2</td><td>DRILL ACTUAL 2944-3038</td></tr> <tr><td>1315</td><td>1330</td><td>0.25</td><td>8</td><td>REPAIR RIG SWITCH PUMP PRESSURE HOSE</td></tr> <tr><td>1330</td><td>1400</td><td>0.5</td><td>2</td><td>DRILL ACTUAL 3038-3045</td></tr> </tbody> </table> | | | | | | | | | | FROM | TO | HRS | CODE | DESCRIPTION | 600 | 1145 | 5.75 | 2 | DRILL ACTUAL F/1847 - T/2126 | 1145 | 1215 | 0.5 | 7 | LUBRICATE RIG AND WIRELINE SURVEY .44 DEG | 1215 | 1400 | 1.75 | 2 | DRILL ACTUAL F/2126 - T/2219 | 1400 | | 0.0 | | | 1400 | 1915 | 5.25 | 2 | DRILL ACTUAL 2219-2440 | 1915 | 1930 | 0.25 | 10 | DEVIATION SURVEY AND RIG SERVICE | 1930 | 2200 | 2.5 | 2 | DRILL ACTUAL 2440-2510 | 2200 | 245 | 4.75 | 2 | DRILL ACTUAL 2510-2723 | 245 | 300 | 0.25 | 7 | LUBRICATE RIG | 300 | 600 | 3.0 | 2 | DRILL ACTUAL 2723-2835 | 600 | 945 | 3.75 | 2 | DRILL ACTUAL 2835-2944 | 945 | 1000 | 0.25 | 8 | REPAIR RIG TIGHTEN JAMNUT BRAKE LINKAGE | 1000 | 1315 | 3.25 | 2 | DRILL ACTUAL 2944-3038 | 1315 | 1330 | 0.25 | 8 | REPAIR RIG SWITCH PUMP PRESSURE HOSE | 1330 | 1400 | 0.5 | 2 | DRILL ACTUAL 3038-3045 | <table border="1"> <thead> <tr> <th>1. RIG UP / DOWN</th> <th>2. DRILLING</th> <th>3. MEASURING</th> <th>4. CORING</th> <th>5. CORING & CORE</th> <th>6. TRIP</th> <th>7. LUBRICATE RIG</th> <th>8. REPAIR RIG</th> <th>9. C/O DRILL LINE</th> <th>10. DEVIATION</th> <th>11. WIRELINE LOG</th> <th>12. RUN C/O & CMNT</th> <th>13. WAIT ON CEMENT</th> <th>14. NIPPLE UP BOP</th> <th>15. TEST BOP</th> <th>16. DRILL STEM TEST</th> <th>17. PLUGBACK</th> <th>18. ROUVEREE CMNT</th> <th>19. FISHING</th> <th>20. OVR. WORK</th> <th>OTHER</th> <th>Total Hours</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.0</td><td>32.0</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>137.75</td><td>137.75</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.5</td><td></td></tr> </tbody> </table> | | | | | | | | | | 1. RIG UP / DOWN | 2. DRILLING | 3. MEASURING | 4. CORING | 5. CORING & CORE | 6. TRIP | 7. LUBRICATE RIG | 8. REPAIR RIG | 9. C/O DRILL LINE | 10. DEVIATION | 11. WIRELINE LOG | 12. RUN C/O & CMNT | 13. WAIT ON CEMENT | 14. NIPPLE UP BOP | 15. TEST BOP | 16. DRILL STEM TEST | 17. PLUGBACK | 18. ROUVEREE CMNT | 19. FISHING | 20. OVR. WORK | OTHER | Total Hours | | | | | | | | | | | | | | | | | | | | | 0.0 | 32.0 | | | | | | | | | | | | | | | | | | | | | 137.75 | 137.75 | | | | | | | | | | | | | | | | | | | | | 0.5 |
| FROM | TO | HRS | CODE | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 | 1145 | 5.75 | 2 | DRILL ACTUAL F/1847 - T/2126 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1145 | 1215 | 0.5 | 7 | LUBRICATE RIG AND WIRELINE SURVEY .44 DEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1215 | 1400 | 1.75 | 2 | DRILL ACTUAL F/2126 - T/2219 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1400 | | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1400 | 1915 | 5.25 | 2 | DRILL ACTUAL 2219-2440 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1915 | 1930 | 0.25 | 10 | DEVIATION SURVEY AND RIG SERVICE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1930 | 2200 | 2.5 | 2 | DRILL ACTUAL 2440-2510 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200 | 245 | 4.75 | 2 | DRILL ACTUAL 2510-2723 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 245 | 300 | 0.25 | 7 | LUBRICATE RIG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 | 600 | 3.0 | 2 | DRILL ACTUAL 2723-2835 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 | 945 | 3.75 | 2 | DRILL ACTUAL 2835-2944 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 945 | 1000 | 0.25 | 8 | REPAIR RIG TIGHTEN JAMNUT BRAKE LINKAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 | 1315 | 3.25 | 2 | DRILL ACTUAL 2944-3038 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1315 | 1330 | 0.25 | 8 | REPAIR RIG SWITCH PUMP PRESSURE HOSE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1330 | 1400 | 0.5 | 2 | DRILL ACTUAL 3038-3045 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. RIG UP / DOWN | 2. DRILLING | 3. MEASURING | 4. CORING | 5. CORING & CORE | 6. TRIP | 7. LUBRICATE RIG | 8. REPAIR RIG | 9. C/O DRILL LINE | 10. DEVIATION | 11. WIRELINE LOG | 12. RUN C/O & CMNT | 13. WAIT ON CEMENT | 14. NIPPLE UP BOP | 15. TEST BOP | 16. DRILL STEM TEST | 17. PLUGBACK | 18. ROUVEREE CMNT | 19. FISHING | 20. OVR. WORK | OTHER | Total Hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 0.0 | 32.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 137.75 | 137.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BITS | BIT LOG | | | | | | | | | | CONDITION | | | | | | | | | | R.O.P. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>BIT#</th> <th>SIZE</th> <th>TYPE</th> <th>MAKE</th> <th>SERIALS</th> <th>NOZZLES</th> <th>IN @</th> <th>OUT @</th> <th>DRILLED</th> <th>HRS</th> <th>CUM. HRS</th> </tr> </thead> <tbody> <tr><td>2</td><td>7 7/8</td><td>GT-03</td><td>HTC</td><td>5179021</td><td>3-14</td><td></td><td>437</td><td></td><td>31.25</td><td>64.00</td></tr> <tr><td>2</td><td>7 7/8</td><td>GT-03</td><td>HTC</td><td>5179021</td><td>3-14</td><td></td><td>437</td><td></td><td>38.5</td><td>68.25</td></tr> <tr><td>2</td><td>7 7/8</td><td>GT-03</td><td>HTC</td><td>5179021</td><td>3-14</td><td></td><td>437</td><td></td><td>43.25</td><td>76.00</td></tr> <tr><td>2</td><td>7 7/8</td><td>GT-03</td><td>HTC</td><td>5179021</td><td>3-14</td><td></td><td>437</td><td></td><td>43.25</td><td>76.00</td></tr> </tbody> </table> | | | | | | | | | | BIT# | SIZE | TYPE | MAKE | SERIALS | NOZZLES | IN @ | OUT @ | DRILLED | HRS | CUM. HRS | 2 | 7 7/8 | GT-03 | HTC | 5179021 | 3-14 | | 437 | | 31.25 | 64.00 | 2 | 7 7/8 | GT-03 | HTC | 5179021 | 3-14 | | 437 | | 38.5 | 68.25 | 2 | 7 7/8 | GT-03 | HTC | 5179021 | 3-14 | | 437 | | 43.25 | 76.00 | 2 | 7 7/8 | GT-03 | HTC | 5179021 | 3-14 | | 437 | | 43.25 | 76.00 | <table border="1"> <thead> <tr> <th>Depth</th> <th>GPM</th> <th>PRESSURE</th> <th>Pump 1</th> <th>Pump 2</th> <th>Pump 3</th> <th>Pump 4</th> <th>TYPE</th> <th>STROKE</th> <th>Manufacturer</th> <th>HRS</th> <th>Total HRS</th> <th>MAX PSI</th> <th>W.C.P.</th> <th>KILL (GPM)</th> </tr> </thead> <tbody> <tr><td>1847 - 2219</td><td></td><td>850</td><td>6</td><td>50</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00</td><td></td><td></td><td></td></tr> <tr><td>2219 - 2510</td><td></td><td>800</td><td>6</td><td>52</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00</td><td></td><td></td><td></td></tr> <tr><td>2510 - 2835</td><td></td><td>900</td><td>6</td><td>52</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00</td><td></td><td></td><td></td></tr> </tbody> </table> | | | | | | | | | | Depth | GPM | PRESSURE | Pump 1 | Pump 2 | Pump 3 | Pump 4 | TYPE | STROKE | Manufacturer | HRS | Total HRS | MAX PSI | W.C.P. | KILL (GPM) | 1847 - 2219 | | 850 | 6 | 50 | | | | | | | 0.00 | | | | 2219 - 2510 | | 800 | 6 | 52 | | | | | | | 0.00 | | | | 2510 - 2835 | | 900 | 6 | 52 | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BIT# | SIZE | TYPE | MAKE | SERIALS | NOZZLES | IN @ | OUT @ | DRILLED | HRS | CUM. HRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Depth | GPM | PRESSURE | Pump 1 | Pump 2 | Pump 3 | Pump 4 | TYPE | STROKE | Manufacturer | HRS | Total HRS | MAX PSI | W.C.P. | KILL (GPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | <table border="1"> <thead> <tr> <th>SIZE</th> <th>WEIGHT</th> <th>GRADE</th> <th>LOG</th> <th>T.O. LOG</th> <th>THREAD</th> <th># JOINTS</th> <th>LENGTH</th> <th>IN. HOLE</th> <th>ON BACK</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> | | | | | | | | | | SIZE | WEIGHT | GRADE | LOG | T.O. LOG | THREAD | # JOINTS | LENGTH | IN. HOLE | ON BACK | REMARKS | | | | | | | | | | | | <table border="1"> <thead> <tr> <th>NO.</th> <th>DRILLING ASSEMBLY (BHA)</th> <th>O.D.</th> <th>I.D.</th> <th>LENGTH</th> <th>DEVIATION SURVEYS</th> </tr> </thead> <tbody> <tr><td>1</td><td>BIT</td><td></td><td></td><td>1.0</td><td>DEPTH INCL. AZIM.</td></tr> <tr><td>17</td><td>D.C.</td><td></td><td></td><td>500.4</td><td>2440 35</td></tr> </tbody> </table> | | | | | | | | | | NO. | DRILLING ASSEMBLY (BHA) | O.D. | I.D. | LENGTH | DEVIATION SURVEYS | 1 | BIT | | | 1.0 | DEPTH INCL. AZIM. | 17 | D.C. | | | 500.4 | 2440 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| PAUL STAVELY | SAFETY TOPIC-WORKING BAD COLD CONDITIONS | 2835 3045 D 75 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAUL STAVELY | FUEL-44" 2424 GALLONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROBERT L. KLIJSEN | SAFETY MEETING - RIG FLOOR AWARENESS | DEPTH DRILLED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JOHN ROUSE | FARM GAS HUGO DELIVERED 1600 GALS DIESEL | FROM TO CODE RPM W.D.B. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JOHN ROUSE | FUEL-83" 2960 GALLONS | 1847 2219 D 100 11000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHAWN PAGE | SAFETY MEETING/ GOOD HOUSEKEEPING | 2219 2510 D 90 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHAWN PAGE | FUEL-75" 2673 GALLONS | 2510 2835 D 80 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAUL STAVELY | SAFETY TOPIC-WORKING BAD COLD CONDITIONS | 2835 3045 D 75 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAUL STAVELY | FUEL-44" 2424 GALLONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| BLACK GOLD DRILLING, INC. | | | | MORNING REPORT | | | | DATE 20110209 | | R# 69 | | TYPE | | JOB NO. | | WELL TYPE VER | | | |
|--|--|--|--|--|--|--------------------------------------|--|----------------------------------|--|---|--|------------------------------|--|--------------------------------------|--|------------------------------|--|------------------------------|--|
| WELLNAME COTTONWOOD GRAZING ASSOC. | | | | LEGAL DESCRIPTION NE NE SEC 22, T012S, R52W | | | | SPUD DATE / TIME 02-03-11 18:00 | | DAYS FR SPUD 8 | | PROJECTED TO 6550 | | | | | | | |
| OPERATOR CJ NOLTE LLC | | | | COUNTY / PARISH Lincoln | | | | STATE CO | | JOB START DATE 01-26-11 06:00 | | DAYS ON JOB 12 | | EST. RELEASE | | | | | |
| RIG MANAGER BOB KJENSEN | | | | RIG PHONE NUMBER 719-691-1684 | | OPERATORS REPRESENTATIVE CLIFF NOLTE | | CO. MAN PH NO 303-426-7971 | | RELEASE DATE / TIME | | WEATHER COLD | | | | | | | |
| OPERATIONS @ REPORT TIME | | | | OPERATIONS NEXT 24 HRS | | | | DRILL AHEAD 778 HOLE | | DRILL AHEAD | | | | | | | | | |
| ACCIDENTS OR NEAR MISSES: NONE | | | | # OF JSA's | | RIG SAFETY DAYS 6 | | SAFETY RATE | | G.P.S. COORDINATES N 38.9857 W -103.213 | | SOP TEST DATE / PRESSURE | | | | | | | |
| SAFETY MEETING TOPICS | | | | # STOP CARDS | | LAST MEETING DATE | | CROWN-O-MATIC CHECKED | | SOP DRILL DATE / TIME | | | | | | | | | |
| SNOWBALLS ROLLING DOWN A HILL WHEN ONE CREW SLACKS OFF | | | | | | | | | | | | | | | | | | | |
| LAST INSPECTION | | | | INSPECTION BY / TITLE | | CREW M / U | | EXTRA CREWS / WHY? | | OFFICE NOTIFIED | | MANHOURS PAST 24 | | SOP DRILL DATE / TIME | | | | | |
| | | | | NONE | | | | | | | | 128.00 | | | | | | | |
| CURRENT DEPTH 3480 | | | | FOOTAGE LAST 24 435 | | PEN RATE 16.893 | | ROT. HRS 26.76 | | MAX GAS | | SCHOR GAS | | COMP. GAS | | TRIP GAS | | LAST CASING SIZE & SET DEPTH | |
| HOOKLOAD | | | | PICKUP WEIGHT | | SLACKOFF | | ROTATING | | ROTARY TORQUE | | NEXT CASING SIZE & SET DEPTH | | | | | | RIG COSTS | |
| | | | | | | | | | | | | | | | | | | DAILY | |
| Time 1000 | | | | Mud Wt. IN / OUT 45 | | Funnel Visc PV | | YLD PT 10 S GEL 10 M GEL FI LOSS | | PLT CK | | HTHP PL | | HTHP PC | | FUEL ADDED TO MUD TODAY 0.00 | | AVERAGE 0.00 0.00 | |
| Mud Type | | | | % SOLIDS % LCM % SAND % OIL % H2O pH | | MP | | PP | | CALCIUM | | CHLORIDES | | MUD COSTS DAILY 4918.43 CUM. 8507.22 | | CUMULATIVE 0.00 0.00 | | | |
| CENTRIFUGES | | | | SHAKER TYPE | | SCREENS | | CHANGED NO-REPORT | | WATER SOURCE | | CUMULATIVE DAYS 5.0 5.0 | | | | | | | |
| TIME LOG | | | | DETAILS OF OPERATIONS IN SEQUENCE | | | | | | | | | | | | TIME BREAKDOWN (Today / Web) | | | |
| 600 945 3.75 2 | | | | DRILL ACTUAL 2835-2944 | | | | | | | | | | | | 1: RIG UP / DOWN 25.75 103.5 | | | |
| 945 1000 0.25 8 | | | | REPAIR RIG TIGHTEN JAMNUT BRAKE LINKAGE | | | | | | | | | | | | 2: DRILLING 14.5 | | | |
| 1000 1315 3.25 2 | | | | DRILL ACTUAL 2944-3038 | | | | | | | | | | | | 3: REAMING | | | |
| 1315 1330 0.25 8 | | | | REPAIR RIG SWITCH PUMP PRESSURE HOSE | | | | | | | | | | | | 4: CONING | | | |
| 1330 1400 0.5 2 | | | | DRILL ACTUAL 3038-3045 | | | | | | | | | | | | 5: CONO. & CIRC 0.5 5.0 | | | |
| 1400 1430 0.5 2 | | | | DRILL ACTUAL F/3045 - T/ 3070 | | | | | | | | | | | | 6: DRPS 4.25 | | | |
| 1430 1500 0.5 5 | | | | CONDITION MUD WT. TOO HIGH | | | | | | | | | | | | 7: LUBRICATE RIG 2.0 | | | |
| 1500 2200 7.0 2 | | | | DRILL ACTUAL F/3070 - T/ 3291 | | | | | | | | | | | | 8: REPAIR RIG 0.75 3.5 | | | |
| 2200 600 8.0 2 | | | | DRILL ACTUAL 3291-3480 | | | | | | | | | | | | 9: C/O DRILL LINE | | | |
| 600 845 2.75 2 | | | | DRILL ACTUAL 3480-3610 | | | | | | | | | | | | 10: SEPARATION 1.75 | | | |
| 845 900 0.25 8 | | | | REPAIR RIG SWITCH PUMP PRESSURE LINE C/S 2 PUMP | | | | | | | | | | | | 11: WIRELINE LOG 3.75 | | | |
| 900 0.0 2 | | | | DRILL ACTUAL 3610- | | | | | | | | | | | | 12: RUN SPS & CMHT 8.0 | | | |
| | | | | | | | | | | | | | | | | 13: WAIT ON CEMENT 4.5 | | | |
| | | | | | | | | | | | | | | | | 14: NIPPLE UP BOP 0.25 | | | |
| | | | | | | | | | | | | | | | | 15: TEST BOP | | | |
| | | | | | | | | | | | | | | | | 16: DRILL STEM TEST | | | |
| | | | | | | | | | | | | | | | | 17: FLUOBACK | | | |
| | | | | | | | | | | | | | | | | 18: HOUSEKEEP CMHT | | | |
| | | | | | | | | | | | | | | | | 19: FISHING | | | |
| | | | | | | | | | | | | | | | | 20: DR. WORK 0.5 | | | |
| | | | | | | | | | | | | | | | | 13.75 | | | |
| | | | | | | | | | | | | | | | | 0.5 | | | |
| | | | | | | | | | | | | | | | | OTHER | | | |
| | | | | | | | | | | | | | | | | Total Hours 27.0 164.78 | | | |
| BITS | | | | BIT # SIZE IN TYPE MAKE SERIAL # NOZZLES IN @ OUT @ DRILLED INB CURL INB CONDITION ROP | | | | | | | | | | | | | | | |
| 2 7 7/8 GT-03 HTC 5179021 3-14 437 43.35 119.25 | | | | | | | | | | | | | | | | | | | |
| 2 7 7/8 GT-03 HTC 5179021 3-14 437 50.75 126.75 | | | | | | | | | | | | | | | | | | | |
| 2 7 7/8 GT-03 HTC 5179021 3-14 437 58.75 134.75 | | | | | | | | | | | | | | | | | | | |
| 2 7 7/8 GT-03 HTC 5179021 3-14 437 58.75 134.75 | | | | | | | | | | | | | | | | | | | |
| PUMPS | | | | Depth GPM PRESSURE Pump 1 Pump 2 Pump 3 Pump 4 TYPE - STROKE Manifold type INB Total HRS MAX PSI PSI Loss ROLL (GPM) | | | | | | | | | | | | | | | |
| 2835 - 3045 925 6 50 0.00 0.00 0.00 0.00 | | | | | | | | | | | | | | | | | | | |
| 3045 - 3291 925 6 50 0.00 0.00 0.00 0.00 | | | | | | | | | | | | | | | | | | | |
| 3291 - 3480 950 6 52 0.00 0.00 0.00 0.00 | | | | | | | | | | | | | | | | | | | |
| CHILLSTRG | | | | SIZE WEIGHT GRADE CO. T2 D.C. THREAD # WTS LENGTH IN HOLE ON BACK TORQUE DRILL STRING REMARKS | | | | | | | | | | | | | | | |
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| ENGINES | | | | LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE HVA DELIVERED TODAY On Hand 1925.00 TODAY 746.00 Used Today 746.00 Used This Well 7989.00 Fuel Brand BLOWER # SLOWDOWN VOLUMES | | | | | | | | | | | | | | | |
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| RIG FUEL | | | | SERIAL # HRS LAST 24 TOTAL HRS CUM. WELL HRS FOOTAGE LAST 24 TOTAL FOOTAGE | | | | | | | | | | | | | | | |
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| MUD MTR | | | | DESCRIPTION DAY RT STD BY: HRLY | | | | | | | | | | | | | | | |
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| RENTAL ITEMS | | | | 47 DRILL PIPE STANDS 2935.69 1 KILLY DOWN 31.52 42 TOTAL 3510.61 WT of COLLARS / DRILLSTRNG 92000 HOURS SINCE LAST INSPECTION 108.9 | | | | | | | | | | | | | | | |
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| REPORT REMARKS | | | | PAUL STAVELY SAFETY TOPIC-WORKING BAD COLD CONDITIONS FROM TO CODE RPM W.C.S. PAUL STAVELY FUEL-48" 2424 GALLONS 2835 3045 D 75 17 ROBERT L KJENSEN SAFETY MEETING-WORKING IN COLD WEATHER FUEL-43" 2245 GAL 3045 3291 D 75 17000 ROBERT L KJENSEN SAFETY MEETING/ FRIE DRILL FUEL-64" 1925 GALLONS 3291 3480 D 70 19 SHAWN PAGE SAFETY TOPIC-THAWING OUT FROZE LINES 3480 D 70 24 | | | | | | | | | | | | | | | |

| BLACK GOLD DRILLING, INC. | | | | MORNING REPORT | | | | DATE | TIME | TYPE | JOB NO. | WELL TYPE | | | | |
|---|---|------------------------|-----------------------|--|-----------------------------------|--|----------------------|------------------------------------|------------------------------|----------------------------------|---|----------------------|--------------------------|----------------|-------------|------------|
| WELLNAME COTTONWOOD GRAZING ASSOC. | | | | LEGAL DESCRIPTION NE NE SEC 22, T012S, R52W | | | | SPUD DATE / TIME 02-03-11 18:00 | | DAYS FR SPUD 8 | | PROJECTED TO 6550 | | | | |
| OPERATOR CJ NOLTE LLC | | | | COUNTY / PARISH Lincoln | | | | STATE CO | | JOB START DATE 01-28-11 06:00 | | DAYS ON JOB 14 | EST. RELEASE | | | |
| RIG MANAGER BOB KLIESEN | | | | RIG PHONE NUMBER 719-691-1584 | | OPERATOR'S REPRESENTATIVE CLIFF NOLTE | | CO. MAN PH NO. 303-420-7971 | | RELEASE DATE / TIME | | WEATHER COLD | | | | |
| OPERATIONS @ REPORT TIME DRILL AHEAD 77/8 HOLE | | | | OPERATIONS NEXT 24 HRS DRILL AHEAD | | | | | | | | | | | | |
| SAFETY | ACCIDENTS OR NEAR MISSES: NONE | | | | # OF JSA's 3 | | RIG SAFETY DAYS 8 | | SAFETY RATE | | GPS COORDINATES N 38.9856 W -103.213 | | SOP TEST DATE / PRESSURE | | | |
| | SAFETY MEETING TOPICS MAKING CONNECTIONS | | | | # STOP CARDS 0 | | LAST MEETING DATE | | CROWN O-MATIC CHECKED | | SOP DRILL DATE / TIME | | | | | |
| | LAST INSPECTION | | INSPECTION BY / TITLE | | CREW M / U | | EXTRA CREWS / WHY? | | OFFICE NOTIFIED | | MANHOURS PAST 24 | | SOP DRILL DATE / TIME | | | |
| OPS | CURRENT DEPTH 4452 | FOOTAGE LAST 24 857 | PER RATE 36.468 | ROT HRS 23.5 | MAX GAS | SCHOR GAS | CONN. GAS | TRIP GAS | LAST CASING SIZE & SET DEPTH | | RIG COSTS | | | | | |
| | HOOKLOAD | PICKUP WEIGHT | SLACKOFF | ROTATING | ROTARY TORQUE | NEXT CASING SIZE & SET DEPTH | | | | DAILY | | | | | | |
| | Time | Mud Wt IN / OUT | Funnel Vts | PV | YLD PT | 10 S GEL | 10 M GEL | FL. Loss | PLT CK | HTP PL | HTP PC | FUEL ADDED TO MUD | AVERAGE | 0.00 | 0.00 | |
| MUD | Mud Type | % SOLIDS | % LCM | % SAND | % OR | % M20 | pH | MF | PF | CALCIUM | CHLORIDES | DAILY | 2636.30 | CUM. | 11143.52 | |
| | CENTRIFUGES | SHAKER TYPE | | SCREENS | | CHANGED | | NO-REPORT | | WATER SOURCE | | CUMULATIVE | 7.0 | 7.0 | | |
| | | | | | | | | | | | | | | | | |
| TIME LOG | FROM | TO | MIN | CODE | DETAILS OF OPERATIONS IN SCHEDULE | | | | | | | TIME BREAKDOWN | | (Today / Well) | | |
| | 600 | 1045 | 4.75 | 2 | DRILL ACTUAL 3860-4045 | | | | | | | 1. RIG UP / DOWN | 23.5 | 134.75 | | |
| | 1045 | 1100 | 0.25 | 7 | LUBRICATE RIG SERVICE | | | | | | | 2. DRILLING | 14.5 | | | |
| | 1100 | 1400 | 3.0 | 2 | DRILL ACTUAL 4045-4090 | | | | | | | 3. SEAMING | | | | |
| | 1400 | 1730 | 3.5 | 2 | DRILL ACTUAL 4090-4172 | | | | | | | 4. CORING | | | | |
| | 1730 | 1745 | 0.25 | 7 | LUBRICATE RIG | | | | | | | 5. CORO. & COR. | 5.0 | | | |
| | 1745 | 2200 | 4.25 | 2 | DRILL ACTUAL 4172-4270 | | | | | | | 6. TRIPS | 4.25 | | | |
| | 2200 | 0600 | 0.0 | 2 | DRILL ACTUAL F 4270 - T 4452 | | | | | | | 7. LUBRICATE RIG | 0.5 | 2.5 | | |
| | | | | | | | | | | | | 8. REPAIR RIG | 3.75 | | | |
| | | | | | | | | | | | | 9. CO. DRILL LINE | 1.75 | | | |
| BITS | BIT# | SIZE | TYPE | MAKE | SERIAL# | NOZZLES | IN @ | OUT @ | DRILLED | HRS | CURL HRS | CONDITION | RGP | | | |
| | 2 | 7 7/8 | GT-03 | HTC | 5179021 | 3-14 | | 430 | | 68 | 68 | | | | | |
| | | | | | | | | | 95 | 95.00 | | | | | | |
| | | | | | | | | | 103 | 103.00 | | | | | | |
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| PUMPS | Depth | GPM | PRESSURE | Pump 1 | Pump 2 | Pump 3 | Pump 4 | | TYPE | STROKE | Manufacturer | HRS | Total HRS | MAX PSI | PSI per GPM | KILL (SPM) |
| | 3860 - 4090 | | 900 | 6 | 51 | | | | Pump 1 | | | | 0.00 | | | |
| | 4090 - 4270 | | 900 | 6 | 51 | | | | Pump 2 | | | 0.00 | | | | |
| | 4270 - 4452 | | 900 | 6 | 50 | | | | Pump 3 | | | 0.00 | | | | |
| | | | | | | | | | Pump 4 | | | 0.00 | | | | |
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| DRILL STRING | SIZE | WEIGHT | DRAGE | UL | T/O L | THREAD | # J-BOX | LENGTH | IN HOLE | OK BACK | REPAIRS | DRILL STRING REMARKS | | | | |
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| ENGINES | LOCATION | | | | NO. | | | | DRILLING ASSEMBLY (BHA) | | | | DEVIATION SURVEYS | | | |
| | Co. No. | | | | 1 | | | | BIT | | | | DEPTH | | | |
| | HRS TODAY | | | | 17 | | | | O.C. | | | | INCL | | | |
| | HRS ON WELL | | | | | | | | | | | | AZM | | | |
| | HRS LAST CHGE | | | | | | | | | | | | | | | |
| | AVERAGE KVA | | | | | | | | | | | | | | | |
| | DELIVERED TODAY | | | | | | | | | | | | | | | |
| | On Hand | | | | | | | | | | | | | | | |
| | Used Today | | | | | | | | | | | | | | | |
| | Used This Well | | | | | | | | | | | | | | | |
| FUEL | FUEL BRAND | | | | TODAY | | | | WELL | | | | BLOWER # | | | |
| | DISTRIBUTOR | | | | SLOWDOWN VOLUMES | | | | | | | | | | | |
| | SERIAL # | | | | HRS LAST | | | | TOTAL | | | | CUM. WELL HRS | | | |
| | FOOTAGE LAST 24 | | | | TOTAL | | | | FOOTAGE | | | | | | | |
| | DESCRIPTION | | | | DAY WT | | | | STORY | | | | WELL | | | |
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| RENTAL ITEMS | DRILL PIPE | | | | STANDS | | | | 3882.61 | | | | DIRECTIONS TO | | | |
| | KELLY DOWN | | | | SINGLES | | | | 30.70 | | | | | | | |
| | TOTAL | | | | | | | | 4452.71 | | | | | | | |
| | WT OF COLLARS / DRILL STRING | | | | | | | | 102000 | | | | | | | |
| | HOURS SINCE LAST INSPECTION | | | | | | | | 138.75 | | | | | | | |
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| REPORT REMARKS | PAUL STAVELY | | | | SAFETY TOPIC=MAKING CONNECTIONS | | | | DEPTH DRILLED | | | | | | | |
| | PAUL STAVELY | | | | FUEL=31" 1105 GALLONS | | | | FROM | | | | TO | | | |
| | JOHN ROUSE | | | | SAFETY TOPIC-MIXING AT HOPPER | | | | 3860 | | | | 4090 | | | |
| | JOHN ROUSE | | | | 2002 GAL. FUEL DELIVERED | | | | D | | | | 70 | | | |
| | JOHN ROUSE | | | | FUEL=81" 2888 GALLONS | | | | D | | | | 70 | | | |
| | JOHN ROUSE | | | | SAFETY MEETING - HOUSEKEEPING | | | | D | | | | 70 | | | |
| | JOHN ROUSE | | | | FUEL 74" 2636 GAL | | | | D | | | | 70 | | | |
| | JOHN ROUSE | | | | | | | | 36000 | | | | | | | |
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|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------|--|-------------------------------|--|-----------------------|--|---|--|--------------------------|--|-------------|--|------------------------------|--|-----------------------------------|--|-------------------------------|--|----------------------|--|
| BLACK GOLD DRILLING, INC. | | | | | | | | | | MORNING REPORT | | | | | | | | | | DATE 20110212 | | RIG 69 | | 18 TYPE | | JOB NO. | | WELL TYPE VER | | | | | | | | | | | |
| WELLNAME COTTONWOOD GRAZING ASSOC. | | | | | | | | | | LEGAL DESCRIPTION NE NE SEC 22, T012S, R52W | | | | | | | | | | SPUD DATE / TIME 02-03-11 18:00 | | DAYS PR SPUD 9 | | PROJECTED TO 6650 | | | | | | | | | | | | | | | |
| OPERATOR CJ NOLTE LLC | | | | | | | | | | COUNTY / PARISH Lincoln | | | | | | | | | | STATE CO | | JOB START DATE 01-28-11 08:00 | | DAYS ON JOB 16 | | EST RELEASE | | | | | | | | | | | | | |
| RIG MANAGER BOB KLIESEN | | | | | | | | | | RIG PHONE NUMBER 719-691-1584 | | | | | | | | | | OPERATORS REPRESENTATIVE CLIFF NOLTE | | C.O. MAIN PH NO. 303-420-7971 | | RELEASE DATE / TIME | | WEATHER COLD | | | | | | | | | | | | | |
| OPERATIONS @ REPORT TIME | | | | | | | | | | OPERATIONS NEXT 24 HRS | | | | | | | | | | DRILL AHEAD | | | | | | | | | | | | | | | | | | | |
| DRILL AHEAD 77/8 HOLE | | | | | | | | | | ACCIDENTS OR NEAR MISSES: NONE | | | | | | | | | | # OF JSA'S 3 | | RIG SAFETY DAYS 9 | | SAFETY RATE | | G.P.S. COORDINATES N 38.9867 W -103.213 | | BOP TEST DATE / PRESSURE | | | | | | | | | | | |
| SAFETY MEETING TOPICS SLIPS TRIPS AND FALLS | | | | | | | | | | # STOP CARDS 0 | | | | | | | | | | LAST MEETING DATE | | CROWN-O-MATIC CHECKED | | BOP DRILL DATE / TIME | | | | | | | | | | | | | | | |
| LAST INSPECTION | | | | | | | | | | INSPECTION BY / TITLE | | | | | | | | | | CREW M / U | | EXTRA CREWS / WHY? | | OFFICE NOTIFIED | | MANHOURS PAST 24 104.00 | | BOP DRILL DATE / TIME | | | | | | | | | | | |
| CURRENT DEPTH 4683 | | | | | | | | | | FOOTAGE LAST 24 231 | | | | | | | | | | PEN RATE 17.769 | | ROT. HRS 13.0 | | MAX. GAS | | BCKGR GAS | | CONN. GAS | | TRIP GAS | | LAST CASING SIZE & SET DEPTH | | RIG COSTS | | | | | |
| HOOKLOAD | | | | | | | | | | PICKUP WEIGHT | | | | | | | | | | SLACKOFF | | ROTATING | | ROTARY TORQUE | | NEXT CASING SIZE & SET DEPTH | | DAILY | | RENTAL | | | | | | | | | |
| Time 0600 | | | | | | | | | | Mud Wt Wt / OUT 9.3 | | | | | | | | | | Pumpet Vis 43 | | PV | | YLD PT 10 S GEL | | 10 M GEL FL Loss | | FLT CK | | HTRP PL | | HTTP FC | | FUEL ADDED TO MUD TODAY CUM. 0.00 | | AVERAGE 0.00 0.00 | | | |
| Mud Type | | | | | | | | | | % SOLIDS | | | | | | | | | | % LCM | | % SAND | | % OL | | % HO | | PH | | MP | | PF | | CALCIUM CHLORIDES | | MUD COSTS DAILY CUM. 11143.52 | | CUMULATIVE 0.00 0.00 | |
| CENTRIFUGES | | | | | | | | | | SHAKER TYPE | | | | | | | | | | SCREENS | | CHANGED NO-REPORT | | WATER SOURCE | | CUMULATIVE DAYS 8.0 | | 8.0 | | | | | | | | | | | |
| FROM TO HRS FEET | | | | | | | | | | DETAILS OF OPERATIONS IN SEQUENCE | | | | | | | | | | TIME BREAKDOWN (Today / Well) | | | | | | | | | | | | | | | | | | | |
| 600 830 0.5 2 | | | | | | | | | | DRILL ACTUAL 4462-4466 | | | | | | | | | | 1: RIG UP / DOWN | | | | | | | | | | 13.0 147.75 | | | | | | | | | |
| 830 845 0.25 8 | | | | | | | | | | REPAIR RIG C/S 1 PUMP SWITCH PUMPS | | | | | | | | | | 2: DRILLING | | | | | | | | | | 14.5 | | | | | | | | | |
| 845 816 1.5 2 | | | | | | | | | | DRILL ACTUAL 4466-4487 | | | | | | | | | | 3: REAMING | | | | | | | | | | 2.25 7.25 | | | | | | | | | |
| 816 830 0.25 8 | | | | | | | | | | REPAIR RIG C/S 2 PUMP CHANGE ROD OILERS | | | | | | | | | | 4: CORING | | | | | | | | | | 7.5 11.75 | | | | | | | | | |
| 830 945 1.25 2 | | | | | | | | | | DRILL ACTUAL 4487-4618 | | | | | | | | | | 5: COND. & CIRC. | | | | | | | | | | 0.25 2.75 | | | | | | | | | |
| 945 1000 0.25 7 | | | | | | | | | | LUBRICATE RIG SERVICE | | | | | | | | | | 6: TRIPS | | | | | | | | | | 0.25 2.75 | | | | | | | | | |
| 1000 1145 1.75 2 | | | | | | | | | | DRILL ACTUAL 4518-4550 | | | | | | | | | | 7: LUBRICATE RIG | | | | | | | | | | 0.5 4.25 | | | | | | | | | |
| 1145 1300 1.25 5 | | | | | | | | | | CONDITION MUD & CIRCULATE FOR BIT TRIP | | | | | | | | | | 8: REPAIR RIG | | | | | | | | | | 1.75 | | | | | | | | | |
| 1300 1400 1.0 6 | | | | | | | | | | TRIPS OUT HOLE FOR BIT CHANGE DROP SURVEY | | | | | | | | | | 9: C/O DRILL LINE | | | | | | | | | | 2.75 | | | | | | | | | |
| 1400 1645 2.75 6 | | | | | | | | | | TRIP OUT OF HOLE LAY DOWN 3 D.C | | | | | | | | | | 10: SEPARATION | | | | | | | | | | 8.0 | | | | | | | | | |
| 1645 1715 0.5 21 | | | | | | | | | | CLEAN UP FLOOR BIT AND RIG SERVICE | | | | | | | | | | 11: WIRELINE LOG | | | | | | | | | | 4.5 | | | | | | | | | |
| 1715 2000 2.75 6 | | | | | | | | | | TRIP IN HOLE WITH BIT #3 | | | | | | | | | | 12: RUN C/O & CMPT | | | | | | | | | | 0.25 | | | | | | | | | |
| 2000 2100 1.0 6 | | | | | | | | | | C.T.C.H AT 3825 SHALE IS RUNNING | | | | | | | | | | 13: WAIT ON CEMENT | | | | | | | | | | 0.5 | | | | | | | | | |
| 2100 2200 1.0 6 | | | | | | | | | | TRIP IN HOLE | | | | | | | | | | 14: NIPPLE UP BOP | | | | | | | | | | 0.25 | | | | | | | | | |
| 2200 0500 8.0 2 | | | | | | | | | | DRILL ACTUAL 4650 - T1 4683 | | | | | | | | | | 15: TEST BOP | | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 16: DRILL STEM TEST | | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 17: PUMPBACK | | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 18: SQUEEZE CMPT | | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 19: FISHING | | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 20: CIVL WORK | | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 21: OTHER | | | | | | | | | | 0.5 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | Total Hours | | | | | | | | | | 24.0 220.75 | | | | | | | | | |
| BOP EL SIZE TYPE MAKE SERIAL # | | | | | | | | | | MODULES IN @ OUT @ DRILLED SPS CUM. HRS | | | | | | | | | | CONDITION R O P | | | | | | | | | | | | | | | | | | | |
| 2 7 7/8 GT-43 HTC 5173021 3-14 | | | | | | | | | | 430 4550 4120.00 106.2 194.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 7 7/8 GX-20C HUGES 5181918 3-14 | | | | | | | | | | 4550 106.2 106.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 7 7/8 GX-20C HUGES 5181918 3-14 | | | | | | | | | | 4550 8 8.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth GPM PRESSURE | | | | | | | | | | Pump 1 Pump 2 Pump 3 Pump 4 TYPE STROCK Manufacture HRS Total HRS MAX PSI KILL (SPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4452 - 4550 850 | | | | | | | | | | 6 51 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4550 - 850 | | | | | | | | | | 6 50 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4550 - 4683 850 | | | | | | | | | | 6 50 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RIG WEIGHT GRADE L1 T2 S1 S2 THREAD # OF BITS LENGTH IN HOLE ON BACK RETURN | | | | | | | | | | DRILL STRING REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| LOCATION Co. No. | | | | | | | | | | NO. DRILLING ASSEMBLY (BHA) C.O. L.D. LENGTH | | | | | | | | | | DEVIATION SURVEYS DEPTH INCL. ADM. | | | | | | | | | | | | | | | | | | | |
| HRS TODAY | | | | | | | | | | 1 BIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HRS ON WELL | | | | | | | | | | 17 D.C. | | | | | | | | | | 411.48 4550 1.74 | | | | | | | | | | | | | | | | | | | |
| HRS LAST CHGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AVERAGE KVA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DELIVERED TODAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| On Hand 2183.00 | | | | | | | | | | TODAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Used Today 838.00 | | | | | | | | | | WELL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Used This Well 4813.00 | | | | | | | | | | BOILER # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| BLACK GOLD DRILLING, INC. | | | | | | | | | | MORNING REPORT | | | | | | | | | | DATE 20110213 | | R# 69 | | JOB TYPE | | JOB NO. | | WELL TYPE VER | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|----------------------------------|--|---|--|------------------------------|--|------------------|--|----------|--|------------------------------|--|-----------|--|----------------------------------|--|--------------------------------------|--|---------|--|------|--|------|--|
| WELLSNAME COTTONWOOD GRAZING ASSOC. | | | | | | | | | | LEGAL DESCRIPTION NE NE SEC 22, T01S, R52W | | | | | | | | | | SPUD DATE / TIME 02-03-11 18:00 | | DAYS FR SPUD 10 | | PROJECTED TO 6550 | | | | | | | | | | | | | | | | | | | | | |
| OPERATOR CJ NOLTE LLC | | | | | | | | | | COUNTY / PARISH Lincoln | | | | | | | | | | STATE CO | | JOB START DATE 01-28-11 06:00 | | DAYS ON JOB 16 | | EST RELEASE | | | | | | | | | | | | | | | | | | | |
| RJ MANAGER BOB KLISEN | | | | | | | | | | RIO PHONE NUMBER 719-591-1584 | | | | | | | | | | OPERATORS REPRESENTATIVE CLIFF NOLTE | | CD. MAN PH NO. 303-420-7871 | | RELEASE DATE / TIME | | WEATHER mild | | | | | | | | | | | | | | | | | | | |
| OPERATIONS @ REPORT TIME DRILL AHEAD 77/8 HOLE | | | | | | | | | | OPERATIONS NEXT 24 HRS DRILL AHEAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCIDENTS OR NEAR MISSES: NONE | | | | | | | | | | # OF JSA's 10 | | | | | | | | | | RIO SAFETY DAYS 10 | | SAFETY RATE | | GPS COORDINATES N 38.8856 W -103.213 | | BOP TEST DATE / PRESSURE | | | | | | | | | | | | | | | | | | | |
| SAFETY MEETING TOPICS HOUSEKEEPING | | | | | | | | | | # STOP CARDS | | | | | | | | | | LAST MEETING DATE | | CROWN-O-MATIC CHECKED | | BOP DRILL DATE / TIME | | | | | | | | | | | | | | | | | | | | | |
| LAST INSPECTION | | | | | | | | | | INSPECTION BY / TITLE | | | | | | | | | | CREW M / U | | EXTRA CREWS / WHY? | | OFFICE NOTIFIED | | MANHOURS PAST 24 104.00 | | | | | | | | | | | | | | | | | | | |
| CURRENT DEPTH 5123 | | | | | | | | | | FOOTAGE LAST 24 440 | | | | | | | | | | PEAK RATE 16.604 | | ROT HRS 26.5 | | MAX GAS | | BCKGR GAS | | CONN. GAS | | TRYP GAS | | LAST CASINO SIZE & SET DEPTH | | RIG COSTS | | | | | | | | | | | |
| HOOKLOAD | | | | | | | | | | PICKUP WEIGHT | | | | | | | | | | SLACKOFF | | ROTATING | | ROTARY TORQUE | | NEXT CASINO SIZE & SET DEPTH | | DAILY | | | | | | | | | | | | | | | | | |
| Time 1130 | | | | | | | | | | Mud Wt IN / OUT 8.8 | | | | | | | | | | Furnel Vis 52 | | PV | | VLD PT | | 10 S GEL | | 10 M GEL | | FL. Loss | | FLT CK | | HTDP FL | | HTTP FC | | FUEL ADDED TO MUD TODAY CUM. 0.00 | | AVERAGE | | 0.00 | | 0.00 | |
| Mud Type | | | | | | | | | | % SOLIDS % LCM | | | | | | | | | | % SAND | | % OIL | | % HQ | | PH | | MF | | PF | | CALCIUM | | CHLORIDES | | MUD COSTS DAILY CUM. 11143.52 | | CUMULATIVE | | 0.00 | | 0.00 | | | |
| CENTRIFUGES | | | | | | | | | | SHAKER TYPE | | | | | | | | | | SCREENS | | CHANGED | | WATER SOURCE | | CUMULATIVE DAYS | | 9.0 | | 9.0 | | | | | | | | | | | | | | | |
| FROM TO HRS CODE | | | | | | | | | | DETAILS OF OPERATIONS IN SEQUENCE | | | | | | | | | | TIME BREAKDOWN (Today) Well | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 730 1.5 2 | | | | | | | | | | DRILL ACTUAL 4683-4715 | | | | | | | | | | 1. RIG UP / DOWN | | | | | | | | | | | | | | | | | | | | | | | | | |
| 730 800 0.5 10 | | | | | | | | | | DEVIATION SURVEY 1.43 RIG SERVICE | | | | | | | | | | 2. DRILLING | | | | | | | | | | | | | | | | | | | | | | | | | |
| 800 1400 6.0 2 | | | | | | | | | | DRILL ACTUAL 4715-4855 | | | | | | | | | | 3. REAMING | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1400 1430 0.5 2 | | | | | | | | | | DRILL ACTUAL 4855-4872 | | | | | | | | | | 4. CORING | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1430 1445 0.25 7 | | | | | | | | | | LUBRICATE RIG | | | | | | | | | | 5. COND. & CUR | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1445 2200 7.25 2 | | | | | | | | | | DRILL ACTUAL 4872-4990 | | | | | | | | | | 6. TRIPS | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200 330 5.5 2 | | | | | | | | | | DRILL ACTUAL 4990-5091 | | | | | | | | | | 7. LUBRICATE RIG | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 415 0.75 10 | | | | | | | | | | DEVIATION SURVEY W/ RIG SERVICE | | | | | | | | | | 8. REPAIR RIG | | | | | | | | | | | | | | | | | | | | | | | | | |
| 415 500 1.75 2 | | | | | | | | | | DRILL ACTUAL 5091-5123 | | | | | | | | | | 9. C/O DRILL LINE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 500 1000 4.0 2 | | | | | | | | | | DRILL ACTUAL 5123-5195 | | | | | | | | | | 10. DEVIATION | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 1015 0.25 21 | | | | | | | | | | DISPLACE MUD C/S BOTH PUMPS | | | | | | | | | | 11. WIRELINE LOG | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1015 0.0 2 | | | | | | | | | | DRILL ACTUAL 5195- | | | | | | | | | | 12. RUN CEG & CMNT | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 13. WAIT ON CEMENT | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 14. WHIPPLE UP BOP | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 15. TEST BOP | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 16. DRILL STEM TEST | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 17. PLUGBACK | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 18. SQUEEZE CMNT | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 19. FISHING | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 20. GRV WORK | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | Total Hours | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 28.25 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 249.0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| BITS | | | | | | | | | | SIZE TYPE MAKE SERIAL# NOZZLES IN # OUT # DRILLED HRS CURR HRS CONDIION ROP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 7 7/8 GX-20C HUGES 5181515 3-14 4550 14 14.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 7 7/8 GX-20C HUGES 5181515 3-14 4550 22 22.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 7 7/8 GX-20C HUGES 5181515 3-14 4550 29.25 29.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 7 7/8 GX-20C HUGES 5181515 3-14 4550 29.25 29.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUMPS | | | | | | | | | | Depth GPM PRESSURE Pump 1 Pump 2 Pump 3 Pump 4 TYPE STROKE Manufacturer HRS Total HRS MAX PSI MIN PSI KILL (GPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4683 - 4855 925 5 50 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4855 - 4990 950 5 50 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4990 - 5123 950 5 52 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRILLSTRG | | | | | | | | | | SIZE WEIGHT GRADE LG T2 OLD THREAD # JOINTS LENGTH IN-HOLE IN ON BACK REMARKS DRILL BITTING REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENGINES | | | | | | | | | | LOCATION Co. No. HRS TODAY HRS ON WELL HRS LAST CHGE AVERAGE KVA DELIVERED TODAY On Hand 1532.00 Used Today 671.00 Used This Wed 5384.00 Fuel Brand DISTRIBUTOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RIG FUEL | | | | | | | | | | NO. DRILLING ASSEMBLY (BHA) I.D. I.D. LENGTH DEVIATION SURVEYS DEPTH INCL AZIM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 1 BIT 411.48 4715 1.43 5091 1.24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUD MTR | | | | | | | | | | SERIAL # HRS LAST TOTAL G/GM. TOTAL FOOTAGE LAST 24 TOTAL FOOTAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RENTAL ITEMS | | | | | | | | | | DESCRIPTION DAY RT STUDY HWLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAUL STAVELY | | | | | | | | | | SAFETY TOPIC-OPERATING SURVEY MACHINE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAUL STAVELY | | | | | | | | | | FUEL 51" 1818 GALLONS</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| BLACK GOLD DRILLING, INC. | | | | | | | | | | MORNING REPORT | | | | | | | | | | DATE 20110216 | | RIG 69 | | JOB TYPE | | JOB NO. | | WELL TYPE VER | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|----------------------------------|--|----------------------|--|--|--|--------------------------|--|------------|--|
| WELLNAME COTTONWOOD GRAZING ASSOC. | | | | | | | | | | LEGAL DESCRIPTION NE NE SEC 22, T012S, R52W | | | | | | | | | | SPUD DATE / TIME 02-03-11 18:00 | | DAYS FR SPUD 13 | | PROJECTED TO 6550 | | | | | | | |
| OPERATOR CJ NOLTE LLC | | | | | | | | | | COUNTY / PARISH Lincoln | | | | | | | | | | STATE CO | | JOB START DATE 01-28-11 08:00 | | DAYS ON JOB 19 | | EST RELEASE | | | | | |
| RIG MANAGER BOB KLIENSEN | | | | | | | | | | RIG PHONE NUMBER 719-691-1584 | | | | | | | | | | OPERATORS REPRESENTATIVE CLIFF NOLTE | | CO. MAN PH NO. 303-420-7971 | | RELEASE DATE / TIME | | WEATHER mild | | | | | |
| OPERATIONS @ REPORT TIME DRILL AHEAD 77/8 HOLE | | | | | | | | | | OPERATIONS NEXT 24 HRS DRILL AHEAD | | | | | | | | | | | | | | | | | | | | | |
| SAFETY | | | | | | | | | | SAFETY MEETING TOPICS RESPECT AND TEAMWORK ATTITUDE WITH FELLOW EMPLOYEES | | | | | | | | | | # OF JSA's 13 | | RIG SAFETY DAYS 13 | | SAFETY RATE | | G.P.S. COORDINATES N 38.9867 W -103.213 | | SOP TEST DATE / PRESSURE | | | |
| LAST INSPECTION | | | | | | | | | | INSPECTION BY / TITLE | | | | | | | | | | CREW M/U | | EXTRA CREWS / WHY? | | OFFICE NOTIFIED | | MANHOURS PAST 24 | | SOP DRILL DATE / TIME | | | |
| CURRENT DEPTH 6210 | | | | | | | | | | FOOTAGE LAST 24 435 | | | | | | | | | | PERL RATE 17.228 | | ROT. HRS 25.25 | | MAX GAS | | BCKGR GAS | | CONN GAS | | TRIP GAS | |
| HOOKLOAD | | | | | | | | | | PICKUP WEIGHT | | | | | | | | | | SLACKOFF | | ROTATING | | ROTARY TORQUE | | NEXT CASING SIZE & SET DEPTH | | RIG COSTS | | | |
| Time | | | | | | | | | | Mud Wt. IN / OUT | | | | | | | | | | Funnel Vts | | PV | | YLD PT | | 10 S GEL | | 10 M GEL | | FL. Loss | |
| Mud Type | | | | | | | | | | % SOLIDS | | | | | | | | | | % LCM | | % SAND | | % OIL | | % H2O | | pH | | MF | |
| CENTRIFUGES | | | | | | | | | | SHAKER TYPE | | | | | | | | | | SCREENS | | CHANGED | | NO REPORT YET | | WATER SOURCE | | CUMULATIVE DAYS | | CUMULATIVE | |
| TIME LOG | | | | | | | | | | DETAILS OF OPERATIONS IN SEQUENCE | | | | | | | | | | TIME BREAKDOWN (Today / Week) | | | | | | | | | | | |
| 600 1300 7.0 2 | | | | | | | | | | DRILL ACTUAL F5913 - T6006 | | | | | | | | | | 1. RIG UP / DOWN | | | | | | | | | | | |
| 1300 1330 0.5 7 | | | | | | | | | | LUBRICATE RIG | | | | | | | | | | 2. DRILLING | | | | | | | | | | | |
| 1330 1400 0.5 2 | | | | | | | | | | DRILL ACTUAL F6006 - T6015 | | | | | | | | | | 3. REAMING | | | | | | | | | | | |
| 1400 1600 2.0 2 | | | | | | | | | | DRILL ACTUAL 6015-6038 | | | | | | | | | | 4. CORING | | | | | | | | | | | |
| 1600 1615 0.25 7 | | | | | | | | | | LUBRICATE RIG | | | | | | | | | | 5. COND. & CIRC | | | | | | | | | | | |
| 1615 2200 5.75 2 | | | | | | | | | | DRILL ACTUAL 6038-8110 | | | | | | | | | | 6. TRIP | | | | | | | | | | | |
| 2200 2300 1.0 2 | | | | | | | | | | DRILL ACTUAL 8110-8131 | | | | | | | | | | 7. LUBRICATE RIG | | | | | | | | | | | |
| 2300 2345 0.75 10 | | | | | | | | | | DEVIATION SURVEY W/ RIG SERVICE | | | | | | | | | | 8. REPAIR RIG | | | | | | | | | | | |
| 2345 215 2.5 2 | | | | | | | | | | DRILL ACTUAL 8131-8163 | | | | | | | | | | 9. RIG DRILL LINE | | | | | | | | | | | |
| 215 230 0.25 21 | | | | | | | | | | JET AND CLEAN #1 PIT W/ CLEAN SCREEN #1 PUMP | | | | | | | | | | 10. DEVIATION | | | | | | | | | | | |
| 230 900 3.5 2 | | | | | | | | | | DRILL ACTUAL 8163-8210 | | | | | | | | | | 11. WIRELINE LOG | | | | | | | | | | | |
| 900 915 0.25 8 | | | | | | | | | | REPAIR RIG FIX AIR LEAK C/S 2 PUMP | | | | | | | | | | 12. RUN C/S & CMNT | | | | | | | | | | | |
| 915 900 3.0 2 | | | | | | | | | | DRILL ACTUAL 8210-8257 | | | | | | | | | | 13. WAIT ON CEMENT | | | | | | | | | | | |
| 8257 915 0.0 2 | | | | | | | | | | DRILL ACTUAL 8257- | | | | | | | | | | 14. APPLY UP BOP | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 15. TEST BOP | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 16. DRILL STEM TEST | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 17. PLUGBACK | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 18. BOVSEIZE CMNT | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 19. FILLING | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 20. DIR. WORK | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 21. OTHER | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | Total Hours | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 27.25 324.25 | | | | | | | | | | | |
| BITS | | | | | | | | | | PUMPS | | | | | | | | | | DRILLING | | | | | | | | | | | |
| IDW | | | | | | | | | | SIZE | | | | | | | | | | TYPE | | | | | | | | | | | |
| 3 7 7/8 | | | | | | | | | | GX-20C | | | | | | | | | | HUGES | | | | | | | | | | | |
| 3 7 7/8 | | | | | | | | | | GX-20C | | | | | | | | | | HUGES | | | | | | | | | | | |
| 3 7 7/8 | | | | | | | | | | GX-20C | | | | | | | | | | HUGES | | | | | | | | | | | |
| 3 7 7/8 | | | | | | | | | | GX-20C | | | | | | | | | | HUGES | | | | | | | | | | | |
| Depth | | | | | | | | | | GPM | | | | | | | | | | PRESSURE | | | | | | | | | | | |
| 5913 - 6015 | | | | | | | | | | 990 | | | | | | | | | | 6 50 | | | | | | | | | | | |
| 6015 - 8110 | | | | | | | | | | 900 | | | | | | | | | | 6 52 | | | | | | | | | | | |
| 8110 - 8210 | | | | | | | | | | 1000 | | | | | | | | | | 6 52 | | | | | | | | | | | |
| SIZE | | | | | | | | | | WEIGHT | | | | | | | | | | GRADE | | | | | | | | | | | |
| ID | | | | | | | | | | T/C LB | | | | | | | | | | THREAD | | | | | | | | | | | |
| # JTS | | | | | | | | | | LENGTH | | | | | | | | | | IN HOLE | | | | | | | | | | | |
| ON BACK | | | | | | | | | | REMARKS | | | | | | | | | | DRILL STRING REMARKS | | | | | | | | | | | |
| LOCATION | | | | | | | | | | Co. No. | | | | | | | | | | No. | | | | | | | | | | | |
| HRS TODAY | | | | | | | | | | HRS ON WELL | | | | | | | | | | HRS LAST CHGE | | | | | | | | | | | |
| AVERAGE KVA | | | | | | | | | | DELIVERED TODAY | | | | | | | | | | ON HAND | | | | | | | | | | | |
| 1925.00 | | | | | | | | | | TODAY | | | | | | | | | | WELL | | | | | | | | | | | |
| 356.00 | | | | | | | | | | USED TODAY | | | | | | | | | | BLOWER # | | | | | | | | | | | |
| 7269.00 | | | | | | | | | | USED THIS WEEK | | | | | | | | | | BLOWDOWN VOLUMES | | | | | | | | | | | |
| FUEL BRAND | | | | | | | | | | DISTRIBUTOR | | | | | | | | | | SERIAL # | | | | | | | | | | | |
| HRS LAST 24 | | | | | | | | | | TOTAL HRS | | | | | | | | | | CUM. WELL HRS | | | | | | | | | | | |
| FOOTAGE LAST 24 | | | | | | | | | | TOTAL FOOTAGE | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | | | | | | | | | | DAY IN | | | | | | | | | | STORY | | | | | | | | | | | |
| HRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | DRILL PIPE | | | | | | | | | | STANDS | | | | | | | | | | | |
| KELLY DOWN | | | | | | | | | | 25 | | | | | | | | | | 5772.57 | | | | | | | | | | | |
| TOTAL | | | | | | | | | | 5210.05 | | | | | | | | | | 128000 | | | | | | | | | | | |
| WT of COLLARS / DRILLSTRING | | | | | | | | | | HOURS SINCE LAST INSPECTION | | | | | | | | | | 247.23 | | | | | | | | | | | |
| TORRI ROMERO | | | | | | | | | | SAFETY MEETING-MAKING CONNECTIONS | | | | | | | | | | DEPTH DRILLED | | | | | | | | | | | |
| TORRI ROMERO | | | | | | | | | | FUEL 66" 2152 GAL | | | | | | | | | | FROM | | | | | | | | | | | |
| JOHN ROUSE | | | | | | | | | | SAFETY TOPIC-MIXING CAUSTIC | | | | | | | | | | TO | | | | | | | | | | | |
| JOHN ROUSE | | | | | | | | | | FUEL 61" 2175 GALLONS | | | | | | | | | | CODE | | | | | | | | | | | |
| SHAWN PAGE | | | | | | | | | | SAFETY MEETING/ ELECTRICAL HAZARDS | | | | | | | | | | RPM | | | | | | | | | | | |
| SHAWN PAGE | | | | | | | | | | FUEL 54" 1925 GALLONS | | | | | | | | | | W.O.L. | | | | | | | | | | | |
| 6015 6015 | | | | | | | | | | D 70 | | | | | | | | | | 36000 | | | | | | | | | | | |
| 6015 6110 | | | | | | | | | | D 70 | | | | | | | | | | 36 | | | | | | | | | | | |
| 6110 6210 | | | | | | | | | | D 80 | | | | | | | | | | 36 | | | | | | | | | | | |
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| BLACK GOLD DRILLING, INC. | | | | MORNING REPORT | | | | DATE 20110218 | | RIG 69 | | JOB TYPE | | JOB NO. | | WELL TYPE VER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| WELLNAME COTTONWOOD GRAZING ASSOC. | | | | LEGAL DESCRIPTION NE NE SEC 22, T012S, R52W | | | | SPUD DATE / TIME 02-03-11 18:00 | | DAYS PR SPUD 15 | | PROJECTED TO 6550 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OPERATOR CJ NOLTE LLC | | | | COUNTY / PARISH Lincoln | | | | STATE CO | | JOB START DATE 01-28-11 06:00 | | DAYS ON JOB 21 | | EST RELEASE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RIG MANAGER BOB KLIJSEN | | | | RIG PHONE NUMBER 719-691-1584 | | | | OPERATORS REPRESENTATIVE CLIFF NOLTE | | | | CO. MAN PH NO 303-420-7971 | | RELEASE DATE / TIME | | WEATHER COOL/WINDY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OPERATIONS @ REPORT TIME WAITING ON TESTER | | | | OPERATIONS NEXT 24 HRS DST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAFETY | ACCIDENTS OR NEAR MISSES NONE | | | | # OF JSA's 3 | | | | RIG SAFETY DAYS 15 | | | | SAFETY RATE | | | | G.P.S. COORDINATES N 38.9857 W -103.213 | | | | SOP TEST DATE / PRESSURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SAFETY MEETING TOPICS TRIPPING PIPE | | | | # STOP CARDS 0 | | | | LAST MEETING DATE | | | | CROWN-O-MATIC CHECKED | | | | SOP DRILL DATE / TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LAST INSPECTION | | | | INSPECTION BY / TITLE | | | | CREW M / W | | | | EXTRA CREWS / WHY? | | | | OFFICE NOTIFIED | | | | MANHOURS PAST 24 | | | | SOP DRILL DATE / TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OPS | CURRENT DEPTH 6550 | | | | FOOTAGE LAST 24 0 | | | | PEN RATE 0.0 | | | | ROT. HRS 9.5 | | | | MAX. GAS | | | | BCKGR GAS | | | | CONCL. GAS | | | | TRIP GAS | | | | LAST CASING SIZE & SET DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HOOKLOAD | | | | PICKUP WEIGHT | | | | SLACKOFF | | | | NOTATING | | | | ROTARY TORQUE | | | | NEXT CASING SIZE & SET DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Time 700 | | | | Mud Wt. IN / OUT 9.2 | | | | Funnel Vis 60 | | | | PV | | | | YLD PT | | | | 10 S. GEL | | | | 10 M. GEL | | | | FL. Loss | | | | FLT. CK | | | | MTP FL | | | | MTP PC | | | | TODAY | | | | FUEL ADDED TO MUD | | | | CUM. 0.00 | | | | AVERAGE | | | | 0.00 | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUD | Mud Type | | | | % SOLIDS | | | | % LCM | | | | % SAND | | | | % OIL | | | | % H ₂ O | | | | PH | | | | MF | | | | PP | | | | CALCIUM | | | | CHLORIDES | | | | DAILY | | | | MUD COSTS | | | | CUM. 30143.62 | | | | CUMULATIVE | | | | 0.00 | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CENTRIFUGES | | | | SHAKER TYPE | | | | SCREENS | | | | CHANGED | | | | WATER SOURCE | | | | CUMULATIVE DAYS | | | | 14.0 | | | | 14.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| TIME LOG | FROM | | | | TO | | | | HRS | | | | CODE | | | | DETAILS OF OPERATIONS IN SEQUENCE | | | | | | | | | | | | TIME BREAKDOWN | | | | (Today / Well) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 630 | | | | 800 | | | | 1.5 | | | | 5 | | | | CONDITION MUD & CIRCULATE FOR SAMPLES RTD 6590 | | | | | | | | | | | | 2. DRILLING | | | | 0.5 | | | | 269.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 800 | | | | 1000 | | | | 2.0 | | | | 6 | | | | SHORT TRIP 35 STANDS | | | | | | | | | | | | 3. REAMING | | | | 14.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 | | | | 1115 | | | | 1.25 | | | | 6 | | | | TRIPS IN HOLE | | | | | | | | | | | | 4. CORING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1115 | | | | 1315 | | | | 2.0 | | | | 5 | | | | CONDITION MUD & CIRCULATE TO CLEAN HOLE | | | | | | | | | | | | 5. COND. & CIRC. | | | | 3.5 | | | | 14.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1315 | | | | 1400 | | | | 0.75 | | | | 9 | | | | TRIPS OUT HOLE FOR E-LOGGS DROP SURVEY | | | | | | | | | | | | 6. TRIPS | | | | 7.0 | | | | 22.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1400 | | | | 1700 | | | | 3.0 | | | | 8 | | | | TRIP OUT FOR LOGS | | | | | | | | | | | | 7. LOGGERS RIG | | | | 5.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1700 | | | | 2100 | | | | 4.0 | | | | 11 | | | | WIRELINE LOGS LOGGERS T.O. 6588 | | | | | | | | | | | | 8. REPAIR RIG | | | | 4.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2100 | | | | 2200 | | | | 1.0 | | | | 21 | | | | REPAIR RIG AND WAIT ON TESTER | | | | | | | | | | | | 9. CO. DRILL LINE | | | | 5.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | CHANGE OIL NO. 1 PUMP. BOTH DW MOTORS | | | | | | | | | | | | 10. DEVIATION | | | | 4.0 | | | | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| PUMPS | Depth | | | | GPM | | | | PRESSURE | | | | Pump 1 | | | | Pump 2 | | | | Pump 3 | | | | Pump 4 | | | | Pump 5 | | | | Pump 6 | | | | Pump 7 | | | | Pump 8 | | | | Pump 9 | | | | Pump 10 | | | | Pump 11 | | | | Pump 12 | | | | Pump 13 | | | | Pump 14 | | | | Pump 15 | | | | Pump 16 | | | | Pump 17 | | | | Pump 18 | | | | Pump 19 | | | | Pump 20 | | | | Pump 21 | | | | Pump 22 | | | | Pump 23 | | | | Pump 24 | | | | Pump 25 | | | | Pump 26 | | | | Pump 27 | | | | Pump 28 | | | | Pump 29 | | | | Pump 30 | | | | Pump 31 | | | | Pump 32 | | | | Pump 33 | | | | Pump 34 | | | | Pump 35 | | | | Pump 36 | | | | Pump 37 | | | | Pump 38 | | | | Pump 39 | | | | Pump 40 | | | | Pump 41 | | | | Pump 42 | | | | Pump 43 | | | | Pump 44 | | | | Pump 45 | | | | Pump 46 | | | | Pump 47 | | | | Pump 48 | | | | Pump 49 | | | | Pump 50 | | | | Pump 51 | | | | Pump 52 | | | | Pump 53 | | | | Pump 54 | | | | Pump 55 | | | | Pump 56 | | | | Pump 57 | | | | Pump 58 | | | | Pump 59 | | | | Pump 60 | | | | Pump 61 | | | | Pump 62 | | | | Pump 63 | | | | Pump 64 | | | | Pump 65 | | | | Pump 66 | | | | Pump 67 | | | | Pump 68 | | | | Pump 69 | | | | Pump 70 | | | | Pump 71 | | | | Pump 72 | | | | Pump 73 | | | | Pump 74 | | | | Pump 75 | | | | Pump 76 | | | | Pump 77 | | | | Pump 78 | | | | Pump 79 | | | | Pump 80 | | | | Pump 81 | | | | Pump 82 | | | | Pump 83 | | | | Pump 84 | | | | Pump 85 | | | | Pump 86 | | | | Pump 87 | | | | Pump 88 | | | | Pump 89 | | | | Pump 90 | | | | Pump 91 | | | | Pump 92 | | | | Pump 93 | | | | Pump 94 | | | | Pump 95 | | | | Pump 96 | | | | Pump 97 | | | | Pump 98 | | | | Pump 99 | | | | Pump 100 | | | | Pump 101 | | | | Pump 102 | | | | Pump 103 | | | | Pump 104 | | | | Pump 105 | | | | Pump 106 | | | | Pump 107 | | | | Pump 108 | | | | Pump 109 | | | | Pump 110 | | | | Pump 111 | | | | Pump 112 | | | | Pump 113 | | | | Pump 114 | | | | Pump 115 | | | | Pump 116 | | | | Pump 117 | | | | Pump 118 | | | | Pump 119 | | | | Pump 120 | | | | Pump 121 | | | | Pump 122 | | | | Pump 123 | | | | Pump 124 | | | | Pump 125 | | | | Pump 126 | | | | Pump 127 | | | | Pump 128 | | | | Pump 129 | | | | Pump 130 | | | | Pump 131 | | | | Pump 132 | | | | Pump 133 | | | | Pump 134 | | | | Pump 135 | | | | Pump 136 | | | | Pump 137 | | | | Pump 138 | | | | Pump 139 | | | | Pump 140 | | | | Pump 141 | | | | Pump 142 | | | | Pump 143 | | | | Pump 144 | | | | Pump 145 | | | | Pump 146 | | | | Pump 147 | | | | Pump 148 | | | | Pump 149 | | | | Pump 150 | | | | Pump 151 | | | | Pump 152 | | | | Pump 153 | | | | Pump 154 | | | | Pump 155 | | | | Pump 156 | | | | Pump 157 | | | | Pump 158 | | | | Pump 159 | | | | Pump 160 | | | | Pump 161 | | | | Pump 162 | | | | Pump 163 | | | | Pump 164 | | | | Pump 165 | | | | Pump 166 | | | | Pump 167 | | | | Pump 168 | | | | Pump 169 | | | | Pump 170 | | | | Pump 171 | | | | Pump 172 | | | | Pump 173 | | | | Pump 174 | | | | Pump 175 | | | | Pump 176 | | | | Pump 177 | | | | Pump 178 | | | | Pump 179 | | | | Pump 180 | | | | Pump 181 | | | | Pump 182 | | | | Pump 183 | | | | Pump 184 | | | | Pump 185 | | | | Pump 186 | | | | Pump 187 | | | | Pump 188 | | | | Pump 189 | | | | Pump 190 | | | | Pump 191 | | | | Pump 192 | | | | Pump 193 | | | | Pump 194 | | | | Pump 195 | | | | Pump 196 | | | | Pump 197 | | | | Pump 198 | | | | Pump 199 | | | | Pump 200 | | | | Pump 201 | | | | Pump 202 | | | | Pump 203 | | | | Pump 204 | | | | Pump 205 | | | | Pump 206 | | | | Pump 207 | | | | Pump 208 | | | | Pump 209 | | | | Pump 210 | | | | Pump 211 | | | | Pump 212 | | | | Pump 213 | | | | Pump 214 | | | | Pump 215 | | | | Pump 216 | | | | Pump 217 | | | | Pump 218 | | | | Pump 219 | | | | Pump 220 | | | | Pump 221 | | | | Pump 222 | | | | Pump 223 | | | | Pump 224 | | | | Pump 225 | | | | Pump 226 | | | | Pump 227 | | | | Pump 228 | | | | Pump 229 | | | | Pump 230 | | | | Pump 231 | | | | Pump 232 | | | | Pump 233 | | | | Pump 234 | | | | Pump 235 | | | | Pump 236 | | | | Pump 237 | | | | Pump 238 | | | | Pump 239 | | | | Pump 240 | | | | Pump 241 | | | | Pump 242 | | | | Pump 243 | | | | Pump 244 | | | | Pump 245 | | | | Pump 246 | | | | Pump 247 | | | | Pump 248 | | | | Pump 249 | | | | Pump 250 | | | | Pump 251 | | | | Pump 252 | | | | Pump 253 | | | | Pump 254 | | | | Pump 255 | | | | Pump 256 | | | | Pump 257 | | | | Pump 258 | | | | Pump 259 | | | | Pump 260 | | | | Pump 261 | | | | Pump 262 | | | | Pump 263 | | | | Pump 264 | | | | Pump 265 | | | | Pump 266 | | | | Pump 267 | | | | Pump 268 | | | | Pump 269 | | | | Pump 270 | | | | Pump 271 | | | | Pump 272 | | | | Pump 273 | | | | Pump 274 | | | | Pump 275 | | | | Pump 276 | | | | Pump 277 | | | | Pump 278 | | | | Pump 279 | | | | Pump 280 | | | | Pump 281 | | | | Pump 282 | | | | Pump 283 | | | | Pump 284 | | | | Pump 285 | | | | Pump 286 | | | | Pump 287 | | | | Pump 288 | | | | Pump 289 | | | | Pump 290 | | | | Pump 291 | | | | Pump 292 | | | | Pump 293 | | | | Pump 294 | | | | Pump 295 | | | | Pump 296 | | | | Pump 297 | | | | Pump 298 | | | | Pump 299 | | | | Pump 300 | | | | Pump 301 | | | | Pump 302 | | | | Pump 303 | | | | Pump 304 | | | | Pump 305 | | | | Pump 306 | | | | Pump 307 | | | | Pump 308 | | | | Pump 309 | | | | Pump 310 | | | | Pump 311 | | | | Pump 312 | | | | Pump 313 | | | | Pump 314 | | | | Pump 315 | | | | Pump 316 | | | | Pump 317 | | | | Pump 318 | | | | Pump 319 | | | | Pump 320 | | | | Pump 321 | | | | Pump 322 | | | | Pump 323 | | | | Pump 324 | | | | Pump 325 | | | | Pump 326 | | | | Pump 327 | | | | Pump 328 | | | | Pump 329 | | | | Pump 330 | | | | Pump 331 | | | | Pump 332 | | | | Pump 333 | | | | Pump 334 | | | | Pump 335 | | | | Pump 336 | | | | Pump 337 | | | | Pump 338 | | | | Pump 339 | | | | Pump 340 | | | | Pump 341 | | | | Pump 342 | | | | Pump 343 | | | | Pump 344 | | | | Pump 345 | | | | Pump 346 | | | | Pump 347 | | | | Pump 348 | | | | Pump 349 | | | | Pump 350 | | | | Pump 351 | | | | Pump 352 | | | | Pump 353 | | | | Pump 354 | | | | Pump 355 | | | | Pump 356 | | | | Pump 357 | | | | Pump 358 | | | | Pump 359 | | | | Pump 360 | | | | Pump 361 | | | | Pump 362 | | | | Pump 363 | | | | Pump 364 | | | | Pump 365 | | | | Pump 366 | | | | Pump 367 | | | | Pump 368 | | | | Pump 369 | | | | Pump 370 | | | | Pump 371 | | | | Pump 372 | | | | Pump 373 | | | | Pump 374 | | | | Pump 375 | | | | Pump 376 | | | | Pump 377 | | | | Pump 378 | | | | Pump 379 | | | | Pump 380 | | | | Pump 381 | | | | Pump 382 | | | | Pump 383 | | | | Pump 384 | | | | Pump 385 | | | | Pump 386 | | | | Pump 387 | | | | Pump 388 | | | | Pump 389 | | | | Pump 390 | | | | Pump 391 | | | | Pump 392 | | | | Pump 393 | | | | Pump 394 | | | | Pump 395 | | | | Pump 396 | | | | Pump 397 | | | | Pump 398 | | | | Pump 399 | | | | Pump 400 | | | | Pump 401 | | | | Pump 402 | | | | Pump 403 | | | | Pump 404 | | | | Pump 405 | | | | Pump 406 | | | | Pump 407 | | | | Pump 408 | | | | Pump 409 | | | | Pump 410 | | | | Pump 411 | | | | Pump 412 | | | | Pump 413 | | | | Pump 414 | | | | Pump 415 | | | | Pump 416 | | | | Pump 417 | | | | Pump 418 | | | | Pump 419 | | | | Pump 420 | | | | Pump 421 | | | | Pump 422 | | | | Pump 423 | | | | Pump 424 | | | | Pump 425 | | | | Pump 426 | | | | Pump 427 | | | | Pump 428 | | | | Pump 429 | | | | Pump 430 | | | | Pump 431 | | | | Pump 432 | | | | Pump 433 | | | | Pump 434 | | | | Pump 435 | | | | Pump 436 | | | | Pump 437 | | | | Pump 438 | | | | Pump 439 | | | | Pump 440 | | | | Pump 441 | | | | Pump 442 | | | | Pump 443 | | | | Pump 444 | | | | Pump 445 | | | | Pump 446 | | | | Pump 447 | | | | Pump 448 | | | | Pump 449 | | | | Pump 450 | | | | Pump 451 | | | | Pump 452 | | | | Pump 453 | | | | Pump 454 | | | | Pump 455 | | | | Pump 456 | | | | Pump 457 | | | | Pump 458 | | | | Pump 459 | | | | Pump 460 | | | | Pump 461 | | | | Pump 462 | | | | Pump 463 | | | | Pump 464 | | | | Pump 465 | | | | Pump 466 | | | | Pump 467 | | | | Pump 468 | | | | Pump 469 | | | | Pump 470 | | | | Pump 471 | | | | Pump 472 | | | | Pump 473 | | | | Pump 474 | | | | Pump 475 | | | | Pump 476 | | | | Pump 477 | | | | Pump 478 | | | | Pump 479 | | | | Pump 480 | | | | Pump 481 | | | | Pump 482 | | | | Pump 483 | | | | Pump 484 | | | | Pump 485 | | | | Pump 486 | | | | Pump 487 | | | | Pump 488 | | | | Pump 489 | | | | Pump 490 | | | | Pump 491 | | | | Pump 492 | | | | Pump 493 | | | | Pump 494 | | | | Pump 495 | | | | Pump 496 | | | | Pump 497 | | | | Pump 498 | | | | Pump 499 | | | | Pump 500 | | | | Pump 501 | | | | Pump 502 | | | | Pump 503 | | | | Pump 504 | | | | Pump 505 | | | | Pump 506 | | | | Pump 507 | | | | Pump 508 | | | | Pump 509 | | | | Pump 510 | | | | Pump 511 | | | | Pump 512 | | | | Pump 513 | | | | Pump 514 | | | | Pump 515 | | | | Pump 516 | | | | Pump 517 | | | |

| BLACK GOLD DRILLING, INC. | | | | MORNING REPORT | | | | DATE 20110219 | | RIG # 69 | | TYPE | | JOB NO | | WELL TYPE | | | |
|---|---|--|-------------------------|--|-------------------|--|-----------------------|---|-----------------------|----------------------------------|--|----------------------------------|--------------------------|------------------------------------|--------------|-------------------------|------------------------------|-----------------|--|
| WELLNAME COTTONWOOD GRAZING ASSOC. | | | | LEGAL DESCRIPTION NE NE SEC 22, T012S, R62W | | | | SPUD DATE / TIME 02-03-11 18:00 | | DAYS FR SPUD 16 | | PROJECTED TO 6550 | | | | | | | |
| OPERATOR CJ NOLTE, LLC | | | | COUNTY / PARISH Lincoln | | | | STATE CO | | JOB START DATE 01-28-11 06:00 | | DAYS ON JOB 22 | | EST. RELEASE | | | | | |
| RIG MANAGER BOB KLIJSEN | | | | RIG PHONE NUMBER 719-691-1584 | | | | OPERATORS REPRESENTATIVE CLIFF NOLTE | | | | CO. MAN PH NO 363-420-7971 | | RELEASE DATE / TIME | | WEATHER COOL/WINDY | | | |
| OPERATIONS @ REPORT TIME LAYING DOWN TEST TOOL | | | | | | | | | | | | | | | | | | | |
| OPERATIONS NEXT 24 HRS PA | | | | | | | | | | | | | | | | | | | |
| SAFETY | ACCIDENTS OR NEAR MISSES: NONE | | | | # OF JSA's 3 | | RIG SAFETY DAYS 16 | | SAFETY RATE | | O.P.S. COORDINATES N 38.9856 W -103.213 | | BOP TEST DATE / PRESSURE | | | | | | |
| | SAFETY MEETING TOPICS DST | | | | # STOP CARDS 0 | | LAST MEETING DATE | | CROWN-O-MATIC CHECKED | | BOP DRILL DATE / TIME | | | | | | | | |
| | LAST INSPECTION | | INSPECTION BY / TITLE | | CREW M / U | | EXTRA CREWS / WHY? | | OFFICE NOTIFIED | | MANHOURS PAST 24 | | BOP DRILL DATE / TIME | | | | | | |
| OPS | CURRENT DEPTH 6590.00 | | FOOTAGE LAST 24 0.00 | | PEN RATE 0.0 | | ROT. HRS | | MAX. GAS | | BCKGR GAS | | DOWN GAS | | TRIP GAS | | LAST CASING SIZE & SET DEPTH | | |
| | HOOKLOAD | | PICKUP WEIGHT | | SLACKOFF | | ROTATING | | ROTARY TORQUE | | NEXT CASING SIZE & SET DEPTH | | DAILY | | RENTAL | | | | |
| | Time | | Mud Wt. IN / OUT | | Funnel Vis | | PV | | YLD PT | | 10 S GEL | | 10 M GEL | | FL LOSS | | FLT CK | | |
| MUD | Mud Type | | % SOLIDS | | % LCM | | % SAND | | % OIL | | % H2O | | pH | | MP | | PF | | |
| | CENTRIFUGES | | SHAKER TYPE | | SCREENS | | CHANGED | | WATER SOURCE | | CUMULATIVE DAYS | | 15.0 | | 16.0 | | | | |
| | FUEL ADDED TO MUD | | CUM. | | 0.00 | | AVERAGE | | 0.00 | | 0.00 | | | | | | | | |
| TIME LOG | TOTALS OF OPERATIONS IN SEQUENCE | | | | | | | | | | | | TIME BREAKDOWN | | (Today / Wk) | | | | |
| | 600 1200 6.0 21 WAIT ON TESTER - RIG SERVICE - SERVICE 2 UGHT PLANT - CLEAN OUT PREMIX. | | | | | | | | | | | | 1. RIG UP / DOWN | | 269.5 | | | | |
| | 1200 1245 0.75 6 RIG UP BOOEY LINE - C/S 2 PUMP. | | | | | | | | | | | | 2. DRILLING | | 14.5 | | | | |
| BITS | 1245 1400 1.25 20 TRIPS IN 3 STANDS COLLARS - LAYDOWN 5 JOINTS - MOUSEHOLE BOTTOM HOLE COLLAR | | | | | | | | | | | | 3. REAMING | | | | | | |
| | 1400 1900 5.0 21 WAIT ON TESTER | | | | | | | | | | | | 4. CORING | | | | | | |
| | 1900 2045 1.75 22 MAKE UP TEST TOOL | | | | | | | | | | | | 5. CORO. & CIRC | | 14.25 | | | | |
| PUMPS | 2045 2200 1.25 6 TRIP IN HOLE WITH TEST TOOL | | | | | | | | | | | | 6. TRIPS | | 9.0 | | | | |
| | 2200 0145 3.75 6 TRIP IN W/D.S.T. #1 | | | | | | | | | | | | 7. LUBRICATE RIG | | 5.0 | | | | |
| | 0145 0215 0.5 16 DRILL STEM TEST | | | | | | | | | | | | 8. REPAIR RIG | | 4.75 | | | | |
| DRILLSTRG | 0215 0530 3.25 6 TRIP OUT W/D.S.T. #1 | | | | | | | | | | | | 9. CO. DRILL LINE | | 5.0 | | | | |
| | 0530 0600 0.5 21 L/D TEST TOOLS | | | | | | | | | | | | 10. DEVIATION | | 4.0 | | | | |
| | | | | | | | | | | | | | 11. WIRELINE LOG | | 2.75 | | | | |
| EXCHNGES | | | | | | | | | | | | | 12. RUN G&S CMNT | | 8.0 | | | | |
| | | | | | | | | | | | | | 13. WAIT ON CEMENT | | 4.5 | | | | |
| | | | | | | | | | | | | | 14. SHUFFLE UP BOP | | 0.75 | | | | |
| RIG FUEL | | | | | | | | | | | | | 15. TEST BOP | | 0.5 | | | | |
| | | | | | | | | | | | | | 16. DRILL STEM TEST | | 0.5 | | | | |
| | | | | | | | | | | | | | 17. PLUGBACK | | | | | | |
| MUD MTR | | | | | | | | | | | | | 18. RESIZE CMNT | | | | | | |
| | | | | | | | | | | | | | 19. FISHING | | | | | | |
| | | | | | | | | | | | | | 20. DR. WORK | | 1.25 1.75 | | | | |
| RENTAL ITEMS | | | | | | | | | | | | | 11.5 35.5 | | | | | | |
| | | | | | | | | | | | | | 1.75 2.25 | | | | | | |
| | | | | | | | | | | | | | OTHER | | 0.0 | | | | |
| Total Hours | | | | | | | | | | | | 24.0 | | 404.25 | | | | | |
| REPORT REMARKS | BIT # | | | | | | | | | | | | SIZE # | | TYPE # | | MAKE | | |
| | SERIAL # | | | | | | | | | | | | NOZZLED | | IN # | | OUT # | | |
| | DRILLED | | | | | | | | | | | | HRS | | CUM. HRS | | CONDITION | | |
| Depth | | | | | | | | | | | | GPM | | PRESSURE | | Pump 1 | | Pump 2 | |
| Pump 3 | | | | | | | | | | | | Pump 4 | | TYPE | | STROKE | | Manufacture | |
| HRS | | | | | | | | | | | | Totals HRS | | MAX PSI | | KILL (BPM) | | | |
| SIZE | | | | | | | | | | | | WEIGHT | | GRADE | | I.D. | | T.O.D. | |
| THREAD | | | | | | | | | | | | #/INCH | | LENGTH | | IN HOLE | | ON BACK | |
| RUNNING | | | | | | | | | | | | DRILL STRING REMARKS | | | | | | | |
| LOCATION | | | | | | | | | | | | Co. No. | | NO. | | DRILLING ASSEMBLY (SHA) | | C.D. | |
| HRS TODAY | | | | | | | | | | | | HRS ON WELL | | HRS LAST CHGE | | AVERAGE KVA | | DELIVERED TODAY | |
| On Hand | | | | | | | | | | | | Used Today | | Used This Well | | Fuel Brand | | DISTRIBUTOR | |
| TODAY | | | | | | | | | | | | WELL | | BOLLER # | | SLOWDOWN VOLUMES | | | |
| SERIAL # | | | | | | | | | | | | HRS LAST 24 | | TOTAL HRS | | CUM. WELL HRS | | FOOTAGE LAST 24 | |
| TOTAL FOOTAGE | | | | | | | | | | | | DESCRIPTION | | DAY RT | | STDBY | | HRLY | |
| 98 | | | | | | | | | | | | DRILL PIPE | | STANDS | | 6149.35 | | DIRECTIONS TO | |
| KELLY DOWN | | | | | | | | | | | | TOTAL | | 6590.83 | | | | | |
| WT of COLLARS / DRILLSTRG | | | | | | | | | | | | 133000 | | | | | | | |
| HOURS SINCE LAST INSPECTION | | | | | | | | | | | | 271.5 | | | | | | | |
| PAUL STAVELY | | | | | | | | | | | | SAFETY TOPIC-LAYING DOWN COLLARS | | DEPTH: DRILLED | | | | | |
| PAUL STAVELY | | | | | | | | | | | | FUEL-29" 1033 GALLONS | | FUEL-29" 928 GALLONS | | | | | |
| JOHN ROUSE | | | | | | | | | | | | SAFETY TOPIC-MAKING UP TEST TOOL | | SAFETY MEETING- DRILL STEM TESTING | | | | | |
| JOHN ROUSE | | | | | | | | | | | | 24 HOURS COMPANY TIME | | FUEL-24" 855 GAL | | | | | |
| JOSH KLIJSEN | | | | | | | | | | | | | | | | | | | |
| JOSH KLIJSEN | | | | | | | | | | | | | | | | | | | |
| JOSH KLIJSEN | | | | | | | | | | | | | | | | | | | |

