

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9788
LOCATION WCR 49+30
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-3-11	DECHANT STATE H36200	36	3N	6SW	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN Rig 121</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:05 p.m.</u>	TIME LEFT LOCATION <u>10:30 p.m.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>753</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 703.36</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 7/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>746.7</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lbs</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8	

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Circ 40 bbls H₂O with KCL + Dye x 16 in 2nd 10 bbls, Mix pump tell Dye is seen then pump tub + 10 bbls Slurry at 15.2 lbs 1.27 yeild, Drop plug, Displace 44.8 bbls H₂O, Bump plug at 150 Psi over Lift Psi, wait 5 min then bleed off Psi, Washup, Rig down, H₂O Tested good, We have 650 sks, 32 oz. Dye, 10 Qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 8:59 pm, Circ 9:15 pm, CEMENT 9:22 pm to 9:41 pm.
Drop plug 9:42 pm, Displace 9:43 pm
10 bbls 340 Psi 9:45 pm 7.0 bbls/m
20 bbls 430 Psi 9:47 pm 7.0 bbls/m
30 bbls 470 Psi 9:49 pm 7.0 bbls/m
40 bbls 510 Psi 9:51 pm 6.0 bbls/m
44.8 bbls 310 Psi 9:53 pm 1.0 bbls/m
Bump Plug 520 Psi at 9:53 pm Float Collar held
USED 40% Excess = 343 SKS, 77.58 bbls Slurry
Aug. CEMENT 4.08 bbls/m
Left With 307 SKS, 16 oz. Dye 6 Qts KCL
18 bbls Slurry To The Pit

[Signature] AUTHORIZATION TO PROCEED
TITLE
DATE 5-3-11