

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9042

LOCATION Hwy 14 + 47

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-19-10	GREEN USX EE 13-06	13	7N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSGN Rig 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>2:00 AM</u>	TIME LEFT LOCATION <u>5:30 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>825.1</u>	TUBING DEPTH	SHOTS/FT			
<u>PBTD 778.63</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>820.76</u>		TREATMENT VIA			
CASING WEIGHT <u>2416</u>	PACKER DEPTH				
CASING CONDITION <u>Good</u>					

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
MINIMUM psi			<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	

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PER Company Man, Circ 50 bbls. H₂O with Dye in 2nd 10 bbls + KCL, Mix + pump till Dye is seen then pump tub + 5 bbls Slurry, Drop plug, Displace 49.5 bbls. H₂O, Bump plug at no more than 150 psi over Lift P_{si}; wait 5 min. Then bleed off P_{si}, Wash up, Rig down, H₂O tested good, We have 650 SACKS CEMENT, 26 oz. Dye, 12 Qts KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 3:28 AM, Circ 3:50 AM, CEMENT 3:59 AM
Drop plug 4:36 AM, Displace 4:38 AM

10 bbls 250 Psi 4:41 AM 7 bbls/m
20 bbls 310 Psi 4:43 AM 7 bbls/m
30 bbls 420 Psi 4:45 AM 7 bbls/m
40 bbls 480 Psi 4:46 AM 6.0 bbls/m
49.5 bbls. 350 Psi 4:49 AM .8 bbls/m
Bump Plug 670 Psi at 4:49 AM, Psi Held for 5 min
USED 0% EXCESS = 269 SACKS CEMENT, 60.8 bbls SLURRY
Left with 381 SACKS CEMENT, 16 oz DYE, 7 Qts KCL
7 bbls SLURRY TO THE P.T

Randy Boye
AUTHORIZATION TO PROCEED
TITLE
DATE 7-19-10