

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10570

LOCATION WCR 47+16

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-20-11	Shaklee USX X 25-08D	25	2N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Saxon Rig 145</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>12:45 AM.</u>	TIME LEFT LOCATION <u>11:00 AM.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
<u>12 1/4</u>					
TOTAL DEPTH <u>1000</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 947.63</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING DEPTH <u>991.33</u>			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
CASING CONDITION <u>Good</u>			<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, Lead Mix + pump 20% Excess to cover 729' = 274 sks, 64.41 bbls Slurry at 14.8 lbs/1.32 yield, Tail Mix + pump 0% Excess to cover 271' + shoe = 100 sks, 22.61 bbls Slurry at 15.2 lbs/1.27 yield, Drop plug, Displace 60.3 bbls H₂O, Bump plug at 500 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H₂O tested good, We have 450 sks Lead, 200 sks Tail, 16 Qts KCL,

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Safety meeting 8:22am, Circ 9:11am, CEMENT 9:18am to 9:49am
Drop Plug 9:50am, Displace 9:51am
10 bbls 210 Psi 9:53am 7.0 bbls/min
20 bbls 300 Psi 9:55am 7.0 bbls/min
30 bbls 390 Psi 9:56am 7.0 bbls/min
40 bbls 500 Psi 9:58am 7.0 bbls/min
50 bbls 590 Psi 9:59am 7.0 bbls/min
60.3 bbls 400 Psi 10:06am 1.0 bbls/min
Bump Plug 970 Psi at 10:06am, Float Collar Held, Avg CEMENT 2.8 bbls/min
USED 20% Excess on Lead = 274 sks, 64.41 bbls Slurry, 0% Excess on Tail = 100 sks, 22.61 bbls Slurry
Left with 176 sks Lead, 100 sks Tail, 12 Qts KCL
7 bbls Slurry To The Pit

[Signature] AUTHORIZATION TO PROCEED WSS TITLE 11-20-11 DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.