

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10555

LOCATION WCR 47+16

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-30-11	SHAKLEE USX X 25-06	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>6:20 pm.</u>	TIME LEFT LOCATION <u>11:45 pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1032</u>	TUBING DEPTH	SHOTS/FT			
<u>PBTD 981.37</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>1025.07</u>	TREATMENT VIA		TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb.</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, Cir 40 bbls. H₂O with KCL, Lead Mix pump 20% Excess to COVER 761' = 286 sks, 67.23 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 62.5 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, 24 Qts KCL,

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Safety meeting 9:39 am, Cir 10:09 pm, Cement 10:16 pm to 10:44 pm, Drop plug 10:45 pm
10 bbls 200 Psi 10:48 pm 7.0 bbls/m
20 bbls 300 Psi 10:50 pm 7.0 bbls/m
30 bbls 400 Psi 10:51 pm 7.0 bbls/m
40 bbls 510 Psi 10:53 pm 7.0 bbls/m
50 bbls 600 Psi 10:54 pm 7.0 bbls/m
60 bbls 590 Psi 10:56 pm 4.5 bbls/m
62.5 bbls 470 Psi 10:58 pm 1.0 bbls/m
Bump Plug 960 Psi at 10:58 pm float collar held, 3.2 bbls/m AVG Cement
USED 20% Excess on Lead = 286 sks, 67.23 bbls Slurry, 0% Excess on Tail = 100 sks,
22.61 bbls Slurry, Left with 164 sks Lead, 100 sks Tail, 20 Qts KCL
19 bbls Slurry To The Pit

Jim [Signature] AUTHORIZATION TO PROCEED
WCS TITLE
10-30-11 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