

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9583
LOCATION WCR 49+36
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-2-11	Shelton PCD 06-32D	6	3N	64W	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>3:00 AM.</u>	TIME LEFT LOCATION <u>2:00 PM.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>712</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 662.58</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH <u>705.5</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

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING psi	AVERAGE psi	<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
FINAL DISPLACEMENT psi	ISIP psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
ANNULUS psi	5 MIN SIP psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
MAXIMUM psi	15 MIN SIP psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MINIMUM psi		<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 40 bbls H₂O with KCL + Dye in 2nd 10 bbls, Mix + pump till Dye is seen then pump tub only at 152 lbs 1.2 T yield, Drop plug, Displace 42.2 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min. then bleed off Psi, Wash up, Rig down, H₂O Tested good, WE HAVE 750 SACKS CEMENT, 320Z. Dye, 20 QTS KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 11:26 am, CIRC 12:18 pm, CEMENT 12:25 pm to 12:42 pm

Drop plug 12:45 pm, Displace 12:46 pm
10 bbls 280 Psi 12:49 pm 7.0 bbls/m
20 bbls 400 Psi 12:50 pm 7.0 bbls/m
30 bbls 480 Psi 12:52 pm 7.0 bbls/m
40 bbls 490 Psi 12:55 pm 4.5 bbls/m
42.2 bbls 390 Psi 12:57 pm 1.0 bbls/m

Bump Plug 570 Psi at 12:57 pm
USED 28% EXCESS = 296 SKS, 66.95 bbls SLURRY
LEFT WITH 454 SKS CEMENT 16 QTS KCL, 22 OZ DYE

7 bbls Slurry To the P.T

AUTHORIZATION TO PROCEED

TITLE

2-2-11

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.