

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10553

LOCATION WCR 47+76

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-25-11	Booth USX EE 25-13D	25	7N	65W	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>11:20 AM</u>	TIME LEFT LOCATION <u>3:00 pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
7 1/4 <u>12 1/4</u>					
TOTAL DEPTH <u>753</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 706.05</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>748.75</u>			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING WEIGHT <u>24lb.</u>	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
PRESSURE SUMMARY			<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> MISC PUMP	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8
MINIMUM psi				

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Circ 50 bbls H₂O with KCL Dye 10 in 2nd 10 bbls, Mix + pump
Tell Dye is seen then pump tub only at 15.2 lbs 1.27 yd, Don't go over 30% Excess with out Talking to
Company Man, Drop plug, Displace 44.9 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 700 sks, 32 oz Dye, 15 Qts KCL,

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Safety Meeting 1:20 pm, Circ 1:46 pm, CEMENT 1:54 pm, to 2:11 pm
Drop Plug 2:12 pm, Displace 2:13 pm
10 bbls 290 Psi 2:16 pm 7.0 bbls/lm
20 bbls 400 Psi 2:17 pm 7.0 bbls/lm
30 bbls 500 Psi 2:19 pm 7.0 bbls/lm
40 bbls 510 Psi 2:21 pm 6.0 bbls/lm
44.9 bbls 320 Psi 2:24 pm 1.0 bbls/lm
Bump Plug 590 Psi at 2:24 pm Float Collar Held
USED 20% Excess = 294 SKS, 66.49 bbls Slurry
Avg. Cement 3.91 bbls/lm
Left with 406 SKS, 22 oz Dye, 10 Qts KCL
9 bbls Slurry To The Pit

Michael Macgregor AUTHORIZATION TO PROCEED TITLE 10-25-11 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.