

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9835

LOCATION 392-63

FOREMAN Kirk Hamer
Mike R LA Jessie

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-30-11	NCLT PL AA 08-08D	8	6N	63W	weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 136</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:30am</u>	TIME LEFT LOCATION <u>10:30</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>549</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>P8TD 503.59</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 7/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH <u>544.74</u>	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>2415</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 Big up, safety meeting, Psided, circ 30 551s KOL M20 2nd 104 Dye, mix & Pump 232 51s cement at 30% Excess at 1.27 yield at 19.2 lbs or until cement stops 45, Release Plug, Displace 32 361s H2O, Bump Plug At 150 psi over LIP Psi wait 5 min, Release Psi, wash up, Big Down

Arrived w/ 575 51s cement 4 gallons KOL 16oz Dye H2O test OK
52.4 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 8:53 am circ 9:14 am cement 9:22 am
Drop Plug 9:37 am Displace 9:37 am

10 BBLs At 5.5 BBLs/m 9:39 am 330 psi used 10% Excess
30 BBLs At 5.5 BBLs/m 9:41 am 420 psi used 197 51s cement
30 BBLs At 2.5 BBLs/m 9:45 am 270 psi 44.3 BBLs slurry
32 BBLs At 1.0 BBLs/m 9:47 am 220 psi
Bump Plug 9:47 am 420 psi

LST w/ 378 51s cement 3 gal 1st KOL 6oz Dye BBLs Back 16

[Signature] W.S.S 4-30-11
AUTHORIZATION TO PROCEED TITLE 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.