

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9611

LOCATION cr 52-257

FOREMAN Kirk Kallhoft
Mike R. Packer L

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-5-11	Booth N25-33D	26	5N	67W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign 55
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 7:30am	TIME LEFT LOCATION 11:30am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 835	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 782.97	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 828.02		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE	
CASING WEIGHT 2415	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION good			<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, psi test, circ 5000s KCL H2O 2nd 10a/ Dye, mix & Pump 353 SKS cement at 30% Excess at 1.27 yield at 1512 lbs or until cement stops us, Release Plug, Displace, 49.8 BBLS H2O Bump Plug at 150psi over Li Pt Psi, wait 5min Release Psi, washup, Rig Down

1170 test OK

Arrived w/ 750 SKS cement 4 gallons KCL 16oz Dye

79.7 BBLS slurry

JOB SUMMARY DESCRIPTION OF JOB EVENTS Safety meeting 9:45am circ 9:59am cement 10:10am

Drop Plug 10:25am Displace 10:25am

10 BBLS At 5.5 BBLS/m 10:28am 250psi

used 29% Excess

20 BBLS At 5.5 BBLS/m 10:30am 260psi

used 280 SKS cement

30 BBLS At 5.5 BBLS/m 10:32am 350psi

62.6 BBLS slurry

40 BBLS At 5.5 BBLS/m 10:34am 450psi

49.8 BBLS At 1.0 BBLS/m 10:39am 270psi

Bump Plug 10:39am 400psi

LPW / 470 SKS cement 2 gallons 3gts KCL 6oz Dye

BBLS Back 2



Co-Man

2-5-11

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.