

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9724

LOCATION Cr 39-46

FOREMAN Kirk Kallho RP
Mike R LR Jessie

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-20-11	UPRC 607-9942	8	4N	6SW	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxton 145
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 6:00 pm	TIME LEFT LOCATION 4:30 am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 826	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 788.27	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 822.03		TREATMENT VIA			

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
MINIMUM psi			<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

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Psi test, circ 60 BBLs KCL H2O 2nd 10w/Dye, mix Pump 445 SKS cement at 30% Excess at 1.27 yield at 152 lbs or until 10 man steps us, Release Plug Displace 59.1 BBLs H2O, Bump Plug At 150 Psi over Lift Pl, wait 5 min Release Psi, wash up, Rig Down

Arrived w/ 650 SKS cement 4 galens KCL 16oz Dye

H2O test OK

100.5 BBLs slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS safety meeting 2:17 am circ 2:53 am cement 3:09 am

Drop Plug 3:41 am Displace 3:41 am

10 BBLs At 5.5 BBLs/m 3:44 am 350 psi

20 BBLs At 5.5 BBLs/m 3:46 am 560 psi

30 BBLs At 5.5 BBLs/m 3:48 am 1020 psi

40 BBLs At 5.5 BBLs/m 3:50 am 1150 psi

50 BBLs At 3.5 BBLs/m 3:53 am 430 psi

59.1 BBLs At 1.0 BBLs/m 3:57 am 290 psi

Bump Plug 3:57 am 430 psi

used 50% Excess

used 513 SKS cement

116 BBLs slurry

L Pw/ 1375 SKS cement

2 gal 2gts KCL 6oz Dye

BBLs Back 10

Jim Lusk

WSS

3-20-11

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