

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10836
LOCATION WCR 39438
FOREMAN PAT MOUND

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-29-11	RURAL LAND 632-330	32	4N	65W	WELD	

CHARGE TO <u>NOBLE</u>	OWNER
MAILING ADDRESS	OPERATOR <u>NOBLE</u>
CITY	CONTRACTOR <u>SAXON 145</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>9:15 AM</u>	TIME LEFT LOCATION <u>1:30 PM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>750</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PD TO 694.96</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>742</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 #</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>(GOOD)</u>			<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 5' after meeting, per company man circ 400 B/L H2O WITH KEL
Dye in 2nd 10 min pump till dye is seen then pump the one 4 at 15.243 1127 PM
Don't go over 30% excess with out talking to company man, drop plug 1
DISPLACE 1145 B/LS H2O Bump plug 150 PSI OVER lift pressure w/ 5 min.
Release PSI wash up rig down H2O test good vehicle 3005 KTS, 3202 Dye
3005 KTS

DESCRIPTION OF JOB EVENTS 5' after 11:21 circ 11:54 cen. 12:04 drop plug 12:26 PM
D/S 12:27

10 12:01 PSI 270
20 12:13 PSI 300
30 12:35 PSI 410
40 12:37 PSI 320
44.5 12:41 PSI 270

Bump plug 270 PSI at 12:41 float collar held
used 23% excess = 3005 KTS, 68 B/LS slurry
left with 3005 KTS cement 1602 Dye 1500 KTS KEL

8 B/LS to pit-

[Signature]
AUTHORIZATION TO PROCEED
TITLE
DATE 12/21/11