

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11053  
LOCATION 37+40  
FOREMAN Teeke-Lihumukhi  
Pat, Pablo, Jan

## TREATMENT REPORT

DATE <u>6/27/12</u>	WELL NAME <u>Frane 63064-14W</u>	SECTION <u>25</u>	TWP <u>4.1</u>	RGE <u>66W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&amp;P 323</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>12:30 pm</u>		TIME LEFT LOCATION <u>11:30 pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>633</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
POTD <u>583</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>627</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 lbs</u>	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			[ ] PRODUCTION CASING		INITIAL BPM
			[ ] SQUEEZE CEMENT		FINAL BPM
			[ ] ACID BREAKDOWN		MINIMUM BPM
			[ ] ACID STIMULATION		MAXIMUM BPM
			[ ] ACID SPOTTING		AVERAGE BPM
			[ ] MISC PUMP		
			[ ] OTHER		HYD IHP = 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 Softly meeting PSI test Per common C in 46 bbls 14L 2nd 10 4/dig  
max pump 34H stes cement at 30% excess at 1.274 cld at 15.2 lbs or until corner stops up, Release plug  
dis 45 bbls 14L Bump Plug 150 psi over lift psi wait 5 min release psi washup rig down  
H2O test OK

Arrived w/ 650 stes cement 4 gal KCL 160 dye 77.1 bbls slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Softly meeting 9:41 pm Circ 16105 cement 10:12  
Stop cement 10:35 Release Plug 10:40 dlyr 10:40

10 bbls at 10:42 pm 270 psi Used 38 % excess  
20 bbls at 10:44 250 used 36.4 stes cement  
30 bbls at 10:46 250 82.3 bbls slurry  
40 bbls at 10:48 290  
45 bbls at 10:51 500  
Bump Plug at 10:51 pm 500 psi

Left w/ 250 stes cement 3 gal KCL BRCS Pack 13

[Signature] WSS 6/27/12  
AUTHORIZATION TO PROCEED TITLE DATE