

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10766

LOCATION 74-29

FOREMAN Kirk Lallier
Pat Tucker Rick

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-17-11	BH Farms H33-14D	33	7N	66W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon 143
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 5:15pm	TIME LEFT LOCATION 7:30pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 1005	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 952.52	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 998		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		[X] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] 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. Psit test Per cement circ 40541s Kcl H2O, mix Pump Lead cement
Net 200 Excess at 1.32 yield at 14.8 lbs, mix Pump Tail cement 3% BICA-1 1005sk 1.27 yield 1512 lbs
Release Plug Disp 60.6 BBLs H2O, Pump Plug At 150 psi over Lift Psi, wait 5 min Release Psi
wash up Rig Down H2O test OK

Arrived w/ 375sk cement 200sk 3% cement 4gal Kcl

JOB SUMMARY

DESCRIPTION OF JOB EVENTS safety meeting 5:143pm circ 6:18pm cement 6:23pm
Drop Plug 6:45pm Disp 6:45pm
10 BBLs At 6.0 BBLs/m 6:47pm 200psi used 276sk Lead
20 BBLs At 6.0 BBLs/m 6:49pm 220psi used 100sk Tail
30 BBLs At 6.0 BBLs/m 6:51pm 300psi 64.8 BBLs slurry Lead
40 BBLs At 6.0 BBLs/m 6:53pm 340psi 22.6 BBLs slurry Tail
50 BBLs At 6.0 BBLs/m 6:55pm 400psi
60 BBLs At 6.0 BBLs/m 6:59pm 400psi
60.6 BBLs At 1.0 BBLs/m 6:59pm 400psi
Pump Plug 6:59pm 1000psi

Lft w/ 99sk cement 100sk 3% cement 3gal 1st Kcl BBLs Back 10

[Signature]
AUTHORIZATION TO PROCEED

Co MAN
TITLE

12-17-11
DATE