

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 # 11382
LOCATION UCL 4645
FOREMAN Mike
Rob Mark Pete

TREATMENT REPORT

DATE 2-29-12	WELL NAME Boulter G14-19D	SECTION 14	TWP 4	RGE 65	COUNTY weld	FORMATION
CHARGE TO Noble		OWNER Noble				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 136				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 12.09 AM		TIME LEFT LOCATION 5:00 AM				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 719	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 666.28	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 711.70		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 241BS	PACKER DEPTH		[] 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, PSI Test 150 PSE, Circ 40 BBLs head H2O/KCL mix
2nd 10 Dye mix + Pump 304 sls Cement (30% Excess) 1274 K at 15-2 1BS or until Comp
ren Stopper US, Release Plug Displace 42.4 BBLs H2O Pump Plug 150 over 1st, wait 10 min
Release PSE, Wash up Rig Down
Arrive 750 sls Cement 10 gals KCL 1602 Dye

JOB SUMMARY

DESCRIPTION OF JOB EVENTS **Safety meeting 2:45 AM Circ 3:14 AM Displace 3:21 AM**
DRUG Plug 3:42 AM Displace 3:42 AM

10 BBLs at 5-0 BBLs/m 3:45 AM 280 PSE
20 BBLs at 5-0 BBLs/m 3:47 AM 370 PSE
30 BBLs at 5-0 BBLs/m 3:49 AM 430 PSE
40 BBLs at 3-0 BBLs/m 3:51 AM 460 PSE
42.4 BBLs at 1-0 BBLs/m 3:53 AM 280 PSE
Bump Plug 1-0 BBLs/m 3:55 AM 480 PSE

Used 31 % Excess

Used 307 sls Cem 1

Slurry 69.43

Flow Collar held

BBLs back to P.T

(13)

LAT with sls Cement KCL 0 Dye

[Signature]

AUTHORIZATION TO PROCEED

TITLE

2-29-12

DATE