

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10629

LOCATION WXR 115 + Hwy 14

FOREMAN Mike Rosalez

TREATMENT REPORT

DATE 11-29-11	WELL NAME McClellan PCL 603-7814	SECTION 3	TWP 8N	RGE 59W	COUNTY weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR H+P 323				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 9:05 PM		TIME LEFT LOCATION 10:05				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 1176	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 1125.51	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 1170		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 361BS	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 Sattymech, PSI TEST 1000. Circulate 50 BBls H₂O/KCL mix
22 10 Dye mix + Pump at Lead at 233 sks Cement (30% EXCESS) at 1.69 gals
at 13-11BS then a trail at 263 sks Cement at 1.27 gals at 15-21BS Release plug
Displace 87 BBls H₂O Bump Plug 200 PSI swirl lift wait 5 min Release PSI Washup
Arrived with 575 sks 10 G/L KCL 1602 Dye Slurry 70.1 + 59.4

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Sattymech 6:00 AM Circulate 6:25 AM Cement 6:36 AM
DROP Plug 7:24 AM Displace 7:24 AM

10 BBls at 5-7 BBls/m 7:26 300 PSI Bump Plug Used 30 EXCESS
20 BBls at 5-7 BBls/m 7:28 300 PSI 7.45 AM 560 PSI Used 496 sks Cement
30 BBls at 5-7 BBls/m 7:30 400 PSI Lead Slurry Tail
40 BBls at 5-7 BBls/m 7:32 450 PSI Flow Collar 70.1 59.4
50 BBls at 5-7 BBls/m 7:34 480 PSI (weld)
60 BBls at 5-7 BBls/m 7:36 500 PSI
70 BBls at 5-7 BBls/m 7:39 550 PSI
80 BBls at 3-0 BBls/m 7:41 600 PSI BBls BACK
87 BBls at 1-5 BBls/m 7:45 300 PSI 0 Dye (26)
eff with 575 sks Cement 79 5-95 FCL

Matthew Goo

AUTHORIZATION TO PROCEED

TITLE

11-29-11

DATE