

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11555
LOCATION WCR 787 +61
FOREMAN MIKE ROSALE

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-19-12	SLW STATEPC BB 18-67 HW	18	5	63 W	Weld	
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&P 343</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>8:30 PM</u>		TIME LEFT LOCATION <u>4:00 AM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>585</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>BDP 540.58</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION	TREATMENT VIA	TUBING		
CASING DEPTH <u>580</u>			TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36</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 RIP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSI Test, Circ 40 BBls h/c KCL mix 2% 10 Dye, mix + Pump 315 SKS Cement (30% Excess) 127 gal at 15-2100 or until Company man stopper is, Release Plug Displace 41.7 BBls New Bump Plug at NO over 1 ft JAIT Couple min Release PSI Wash up Rig Down New Test
Arrive with 600 SKS Cement 10 gal KCL 1602 Dye Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 1:50 AM Circ 226 AM Cement start 2:39
Cement stop 3:00 AM Drop Plug 3:06 AM Displace 3:06 AM

10 BBls at 5-6 BBls/h 3:09 AM 280 PSI Used 20 % Excess
20 BBls at 5-6 BBls/h 3:11 AM 340 PSI Used 293 SKS Cement
30 BBls at 5-6 BBls/h 3:13 AM 390 PSI Slurry 66127
40 BBls at 1-1 BBls/h 3:15 AM 410 PSI Flow follow well
11.7 BBls at 1-1 BBls/h 3:17 AM 240 PSI
Bump Plug 1-1 BBls/h 3:18 AM 410 PSI

BBls Back to PSI

Left with SKS Cement gals KCL to Dye

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Erik Caso
AUTHORIZATION TO PROCEED

W.S.S.
TITLE

5-19-12
DATE