

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11103

LOCATION WCR 49130

FOREMAN Mike Rosalee

TREATMENT REPORT

DATE <u>8-2-12</u>	WELL NAME <u>ADAMS D-30-310</u>	SECTION <u>30</u>	TWP <u>3N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>SAXON 143</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>2:00 PM</u>		TIME LEFT LOCATION <u>6:00</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>750</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>696</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>742</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24100</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM
			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> 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. PSF TEST 500 Circ 40 BBls H2O / KCL mix + Pump 3175 lbs Cement (30% EXCESS) 1.27 yds at 15-2 until Company men stop use Release Plug Displace 443 BBls H2O Bump Plug 150 over H2O wait Couple min Release PSF Wash up Rig Down

ARRIVED WITH 600 SKS CEMENT 20 GALS KCL 16 OZ DYE

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 4:15 PM Cure 4:38 PM Cement START 4:49 PM Cement STOP 5:06 PM DROP Plug 5:10 PM Displace 5:10 PM

10 BBls at 50 BBls/min at 5:14 PM 200 PSI used 43 9/10 EXCESS
20 BBls at 50 BBls/min at 5:16 370 PSI used 350 SKS CEMENT
30 BBls at 50 BBls/min at 5:18 440 PSI 796 9/10 STORING
40 BBls at 50 BBls/min at 5:20 PM 360 PSI
44.3 BBls at 13 BBls/min 5:20 PM 30 PSI Flow like hot
Bump Plug 1-3 BBls/min at 5:23 600 PSI

BBls Back to P.T
10
Left 400 with SKS CEMENT 16 gals KCL & Dye

Vincent Smith WSS 8-2-12
 AUTHORIZATION TO PROCEED TITLE DATE