

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10183

LOCATION Gattersow Ranch  
FOREMAN Daniel Sathman

## TREATMENT REPORT

DATE 6-17-11	WELL NAME 4BBRY D 01-29	SECTION 1	TWP 3N	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO NONE			OWNER			
MAILING ADDRESS			OPERATOR NONE			
CITY			CONTRACTOR FNSIGN 55			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 3:00 AM			TIME LEFT LOCATION 8:00			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 699.5	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
POTD 654.25	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 693.16		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24#	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, Circ 40 hbls of H<sub>2</sub>O w KCL, 2nd 10 w 10oz Dye, Mix + pump 296 sks of Cement @ 30% Excess @ 152" @ 1.27 yield or until Stopped By Command, Drop Plug, Displace 41.6 hbls of H<sub>2</sub>O Bump Plug @ 150 psi over kft psi wait 5 min Release psi washup Rig Down

Arrvd w 700 sks of Cement 4 gal KCL 32oz Dye 66.9 hbls of Slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 6:27 AM Circ 6:15 AM Cement 6:57 AM  
Drop Plug Displace

10 hbls	7.0/m	300 psi	7:18 AM	Used 257 sks of Cement 12% Excess 58.1 hbls of Slurry
20 hbls	7.0/m	400 psi	7:20 AM	
30 hbls	7.0/m	480 psi	7:22 AM	
40 hbls	1.0/m	310 psi	7:24 AM	
41.6 hbls	1.0/m	310 psi	7:26 AM	
Bump Plug		480 psi	7:26 AM	

Left w 700 sks of Cement 3 gal KCL 16oz Dye 5 hbls of Slurry Back

6-17-11

AUTHORIZATION TO PROCEED TITLE DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity