

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10774

LOCATION 74-29

FOREMAN Kirk Kallhoff  
Tucker Dario

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-27-11	RH Farms 1133-25D	33	7N	66W	Weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Saxon 1413				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 3:30am		TIME LEFT LOCATION 8:00am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 1045	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 1000.58	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 1045		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	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, Psitest, Per roman, circ 40SKS KEL H2O, mix Pump Lead cement 29.5SKS 14.8 lbs 1.32 yield, mix & Pump Tail cement 100SKS 15.2 lbs, 1.27 yield, Release plug Disp 63.7 BBLs H2O, Pump Plug At 150psi + Lift Psi, wait 5min Release Psi, wash up Rig Down H2O test OK

Arrived w/ 450SKS cement 200SKS 30% cement 4 gal KEL 68.4 BBLs slurry 22.6 BBLs slurry

JOB SUMMARY DESCRIPTION OF JOB EVENTS safety meeting 6:04am circ 6:42am cement 6:48am

Drop Plug 7:12am Displace 7:12am  
10 BBLs At 6.0 BBLs/m 7:15am 190psi Used 30% excess Lead  
20 BBLs At 6.0 BBLs/m 7:16am 260psi 315SKS cement Lead  
30 BBLs At 6.0 BBLs/m 7:18am 320psi 100SKS cement tail  
40 BBLs At 6.0 BBLs/m 7:19am 410psi 74 BBLs slurry Lead  
50 BBLs At 6.0 BBLs/m 7:21am 510psi 22.6 BBLs slurry tail  
60 BBLs At 2.5 BBLs/m 7:24am 450psi  
63.7 BBLs At 1.0 BBLs/m 7:26am 420psi  
Bump Plug 7:26am 520psi

Left w/ 135SKS cement 100SKS 30% cement 3 gal KEL BBLs Back 11

AUTHORIZATION TO PROCEED TITLE DATE 12-27-11

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.