

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11276  
LOCATION Wells Ranch  
FOREMAN Mike Rosale

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-18-12	Wells Ranch AE 08-66-1 H2	12	6N	63	Weld	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	H+P 321
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	6:00 AM	TIME LEFT LOCATION	12:00

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	12 3/4	TUBING SIZE		THEORETICAL	INSTRUCTED
TOTAL DEPTH	800	TUBING DEPTH		SURFACE PIPE ANNULUS LONG	
ASD 755.6	713.4	SHOTS/FT		STRING	
CASING SIZE	9 5/8	OPEN HOLE		TUBING	
CASING DEPTH	748	TREATMENT VIA			
CASING WEIGHT	36 LBS				
CASING CONDITION	6175				

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	[ ] SURFACE PIPE	BREAKDOWN BPM
FINAL DISPLACEMENT	psi	ISIP	psi	[ ] PRODUCTION CASING	INITIAL BPM
ANNULUS	psi	5 MIN SIP	psi	[ ] SQUEEZE CEMENT	FINAL BPM
MAXIMUM	psi	15 MIN SIP	psi	[ ] ACID BREAKDOWN	MINIMUM BPM
MINIMUM	psi			[ ] ACID STIMULATION	MAXIMUM BPM
				[ ] ACID SPOTTING	AVERAGE BPM
				[ ] MISC PUMP	
				[ ] OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Sattymecting, PSI TEST, Circ 50 BBbls H2O / KCL mix, 2nd 10 Dye mix + Pump 431 sls Cement (30% EXCESS) 1.27 gpd at 152, or until Compressor stop is Release Plug Displace 58.4 BBbls H2O, Pump Plug 150 PSI over 1st, wait 10 min Release PSI, Press Test Casing 1,000 PSI for 15 min  
ARRIVED WITH 600 sls Cement 10:44 KCL 1602 Dye

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Sattymecting 9:20 AM Circ 9:50 AM START CEMENT 10:19  
STOP CEMENT 10:40 AM Drop Plug 10:44 AM Displace 10:44 AM

10 BBbls at 4-6 BBbls 10:48 AM 270 PSI Used 20% EXCESS  
20 BBbls at 5-6 BBbls 10:50 AM 310 PSI Used 400 sls Cement  
30 BBbls at 5-0 BBbls 10:52 AM 420 PSI slurs 90.4  
40 BBbls at 5-0 BBbls 10:54 AM 470 PSI Pressor Test  
50 BBbls at 5-0 BBbls 10:56 AM 460 PSI 11:04 11:19  
58.4 BBbls at 1-3 BBbls 11:00 AM 260 PSI 1,080 1100  
Bump Plug 1-3 BBbls 11:00 AM 480 PSI Flow Collar h. BBbls slurs Back to Pt

Left with 200 sls Cement 5 gals KCL - 0 Dye

Roger Fisto

WSS

10-15-12

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