

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11100  
LOCATION 392+71  
FOREMAN Mike Rosal

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-22-12	Longs AC-02-15	2	7	43	Weld	
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign 136</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>4:45 AM</u>		TIME LEFT LOCATION <u>11:30 AM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>767</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>710.77</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>754</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>COK</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, Sattymech, PSI Test 500 PSI Circ 50 BBLs then kill the  
Dye mix + Pump 413 sh Cement (30% Excess) 1.27 Mch, At 15-2 BLS or and  
bottom man stopper Release Plug, Displa 549 BBLs the Pump Plug 150 over  
wait 10 min Release  
Arrive with 600 sh Cement GTS kill 16 oz Dye

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Sattymech 8:55 AM Circ 9:15 AM Stop Cement 9:30 AM  
Stop Cement 9:30 AM Drop Plug 9:55 AM Displa 9:55 AM

10 BBLs at 5-7 BBLs in 9:58 AM 360 PSI Used 18 0% Excess  
50 BBLs at 5-7 BBLs in 10:00 AM 440 PSI Used 378 sh Cement  
30 BBLs at 5-4 BBLs in 10:02 AM 570 PSI 85.4 Sturdy  
40 BBLs at 5-4 BBLs in 10:04 AM 540 PSI  
40 BBLs at 3-5 BBLs in 10:06 AM 440 PSI Flow Coller held  
549 BBLs at 1-5 BBLs in 10:10 PM 330 PSI  
Bump Plug 1-5 BBLs in 10:10 PM 500 PSI BBLs to P-5

Left with 22 sh Cement GTS kill 0 Dye

7-22-12  
AUTHORIZATION TO PROCEED  
TITLE  
DATE