

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11086

LOCATION 104 +119

FOREMAN Mike Rasaka

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-17-12	Timber CC-12-78-HN	12	9	59W	Weld	
CHARGE TO	Noble		OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR H+P 326			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 1:45 AM			TIME LEFT LOCATION 6:45			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 762	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PERF 705.94	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 752.8	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT 36.10	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, Satisfactory, PSE TEST 500 PSE Circ 50 BBls Hw KILL my 2nd 10 Dye, mix + Pump 411 Sks Cement (30% EXCESS) 127 yds at 15-21 BS on well / Company man stops, Release Plug Displace 54.5 BBls Hw Pump Plug out 200 PSE Wash Rig

ARRIVE WITH 600 Sks Cement 15 gals KCL 2000 Dye

JOB SUMMARY DESCRIPTION OF JOB EVENTS Satisfactory 4:10 am Circ 4:40 am Cement START 4:55 am

Cement STOP 5:20 PSE DROP Plug 5:25 am Displace 5:25 am

10 BBls at 5:5 BBls 5:28 240 PSE Used 10 gals EXCESS  
20 BBls at 5:5 BBls 5:30 AM 370 PSE Used 349 Sks Cement  
30 BBls at 5:5 BBls 5:32 am 430 PSE Slurry 76.9  
40 BBls at 5:3 BBls 5:34 am 490 PSE Flow Cell  
50 BBls at 1-3 BBls 5:36 am 580 PSE held  
551.5 BBls at 1-3 BBls 5:39 am 200 PSE  
Bump 1-3 BBls 5:39 am 500 PSE BBls BACK to AT

Left with 25 Sks Cement 10 gals KCL - Dye

*[Signature]*  
AUTHORIZATION TO PROCEED

WSS

6-17-12

DATE