

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10597

LOCATION 49-416

FOREMAN Kirk Kallhoff  
Jessy, miles, Richard

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-28-11	NEI C18-23D	18	4N	64W	wrdl	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 136				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 5:30 pm		TIME LEFT LOCATION 9:30 pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 715	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 649.54	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 695		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	[ ] ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT	psi	ISIP	psi	[ ] ACID STIMULATION	MAXIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	[ ] ACID SPOTTING	AVERAGE BPM
MAXIMUM	psi	15 MIN SIP	psi	[ ] MISC PUMP	
MINIMUM	psi			[ ] OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Psitest, Per Coman circ 4044s RCL H2O, 2nd 104/Dye, mix Pump 303 SKS cement at 30% Excess at 127yrild at 152 lbs, or until stopped By Coman, Let Coman know at 30%, Release Plug Disp 41.3 BBLs H2O, Bump Plug At 150psi over Lift Psi, wait 5min, Release Psi, Wash up, Rig Down. H2O test OK

Arrived w/ 575 SKS cement 4 gal RCL 16oz Dye 68.5 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS. Safety meeting 7:43pm circ 8:06pm cement 8:15pm  
Drop Plug 8:37pm Displace 8:37pm

10 BBLs At 5.5 BBLs/m 8:39pm 200psi	Used 7% Excess
20 BBLs At 5.0 BBLs/m 8:41pm 230psi	Used 250 SKS
30 BBLs At 5.0 BBLs/m 8:43pm 310psi	56.5 BBLs slurry
40 BBLs At 1.0 BBLs/m 8:47pm 220psi	
41.3 BBLs At 1.0 BBLs/m 8:51pm 220psi	
Bump Plug NO/Float held	

L Ptn / 325 SKS cement 3 gal RCL 6oz Dye BBS Back 10

AUTHORIZATION TO PROCEED  
TITLE 11-28-11 DATE

Customer 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.