

# BISON OIL WELL CEMENTING, INC.



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Denver, Colorado 80202  
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E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9373

LOCATION cr 49-38

FOREMAN Kirk Kallio DP  
Mike R, Tucker, Guy A

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-26-10	NOFF PC D 02-28D	6	3N	64W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign 55
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 6:00am	TIME LEFT LOCATION 2:00pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 755	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
PBTD 646.46	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE 8 7/8	TUBING CONDITION			TUBING	
CASING DEPTH 741.56		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 24 lb	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION good			[X] SURFACE PIPE		
			[ ] PRODUCTION CASING		
			[ ] SQUEEZE CEMENT		
			[ ] ACID BREAKDOWN		
			[ ] ACID STIMULATION		
			[ ] ACID SPOTTING		
			[ ] MISC PUMP		
			[ ] OTHER		

PRESSURE SUMMARY			TREATMENT RATE		
BREAKDOWN or CIRCULATING psi	AVERAGE psi		BREAKDOWN BPM		
FINAL DISPLACEMENT psi	ISIP psi		INITIAL BPM		
ANNULUS psi	5 MIN SIP psi		FINAL BPM		
MAXIMUM psi	15 MIN SIP psi		MINIMUM BPM		
MINIMUM psi			MAXIMUM BPM		
			AVERAGE BPM		
			HYD HHP = RATE X PRESSURE X 40.8		

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, psi test, circ 40 BBLs H2O 2nd 104/Dye mix, Pump 319  
SKs cement at 3090 Excess at 1:27 yield at 1512 lbs cement till cement stops vs. Release Plug  
Displace 44.3 BBLs H2O, Pump Plug at 150 psi over Lift Psi, wait 5 min Release Psi wash up  
Rig Down H2O test OK

Arrived w/ 575 SKs cement 4 gallons Kel 16oz Dye 72.1 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 12:36 pm Circ 12:44 pm cement 12:54 pm  
Deep Plug 1:14 pm Displace 1:14 pm

10 BBLs At 1:16 pm 350 psi used 1040 Excess  
20 BBLs At 1:18 pm 430 psi used 271 SKs cement  
30 BBLs At 1:20 pm 530 psi 61 BBLs slurry  
40 BBLs At 1:24 pm 350 psi  
44.3 BBLs At 1:26 pm 300 psi  
Pump Plug 1:26 pm 450 psi

Lift w/ 304 SKs cement 3 gallons Kel 6oz Dye 13 BBLs Back 14

AUTHORIZATION TO PROCEED

TITLE

10-26-10

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.