

# 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 # 11374

LOCATION 41-50 1/2

FOREMAN Kirk Kalloff  
Trucker Dario Pete

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-16-12	Dickens F-32-17D	32	5N	6SW	Weld	

CHARGE TO Woble	OWNER
MAILING ADDRESS	OPERATOR Woble
CITY	CONTRACTOR Ensign 121
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 2:45pm	TIME LEFT LOCATION 9:30pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 605	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
RTD 554.43	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		

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

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

INSTRUCTIONS PRIOR TO JOB Rig up, Saflog meeting, Psiked, Per cement circ 30551s KELN70 2nd 1001 Dye, MIX E Pump 256 sks cement at 30% Excess at 1127 yd at 30% Excess at 1512 lbs or until cement stops up, Release Plug Disp 35.3 BBls H2O, Bump Plug at 150 psi over Lift Psi, wait 5 min Release Psi, wash up Rig Down, Dr H2O test OK  
Arrived w/ 750 sks cement 4 gal Kel 1 bar Dye 57.9 BBls slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Saflog meeting 7:52pm circ 8:20pm cement 8:24pm  
Drop Plug 8:43pm Displace 8:43pm

16 BBls at 6.0 BBls/lm 8:45pm 200psi used 67% Excess  
20 BBls at 6.0 BBls/lm 8:46pm 350psi used 329 sks cement  
30 BBls at 3.5 BBls/lm 8:50pm 400psi 74.4 BBls slurry  
35.3 BBls at 1.0 BBls/lm 8:53pm 380psi  
Bump Plug 8:53pm 730psi

Lift w/ 421 sks cement 3 gal 1 qt Kel 600 Dye BBls Back 13

Michael M... U.S.S. 2-16-12  
AUTHORIZATION TO PROCEED TITLE DATE