

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9852

LOCATION 55-36

FOREMAN Kirk Kallhauff  
mike R CR Richard

## TREATMENT REPORT

DATE 6-2-11	WELL NAME Becca D03-32D	SECTION 3	TWP 3N	RGE 64W	COUNTY weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 121				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 12:15pm		TIME LEFT LOCATION 12:00am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 713	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 660.31	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 705.77		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

INSTRUCTIONS PRIOR TO JOB: Rig up, safety meeting, Psi test, circ 40 BBLs KEL H2O, 2nd 100 Dye, mic f Pump 302 sks cement at 3090 Excess at 1127 yrild at 1512 lbs or until cement steps us, Release Plug Disp 42 BBLs H2O, Bump Plug at 150 psi over Lift Psi, wait 5 min Release Psi, washup Rig Down H2O test OK

Arrived w/ 575 sks cement 4 gal KEL 1602 Dye 681 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: safety meeting 8:21pm circ 10:07pm cement 10:17pm  
Drop Plug 10:54pm Disp 10:54pm  
10 BBLs AT 5.5 BBLs/m 10:57pm 350psi used 145% Excess  
20 BBLs AT 5.5 BBLs/m 10:59pm 430psi used 570 sks cement  
30 BBLs AT 5.5 BBLs/m 11:01pm 480psi 128.3 BBLs slurry  
40 BBLs AT 5.5 BBLs/m 11:04pm 310psi  
42 BBLs AT 1.0 BBLs/m 11:06pm 310psi  
Bump Plug 11:06pm 560psi

LFT w/ 5 sks cement 3 gal KEL 602 Dye BBLs Back 15

Mary Stapleton  
AUTHORIZATION TO PROCEED TITLE DATE 6-2-11