

# 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 # 9620

LOCATION cr 51-66

FOREMAN Kirk Kalish DP  
Mike R, Guy A, LR

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-23-11	Roth usx 430-17	30	6N	64W	weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR code 21				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 10:00pm		TIME LEFT LOCATION 3:00am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 656.7	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 603	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 648.3		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		1 SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			1 PRODUCTION CASING		INITIAL BPM
			1 SQUEEZE CEMENT		FINAL BPM
			1 ACID BREAKDOWN		MINIMUM BPM
			1 ACID STIMULATION		MAXIMUM BPM
			1 ACID SPOTTING		AVERAGE BPM
			1 MISC PUMP		
			1 OTHER		HYD HP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Psidest, licr 4056lbs Kel H2O 2nd 104 Dye, mixe Pump 278skt cement at 30% Excess at 1.27 yield at 152 lbs or until 10 man steps up, Release Plug, Displace 38.4 bbls H2O bump Plug at 150 psi over Lift Psi wait 5min Release Psi, wash up Rig down H2O test OK

Arrived w/ 650 skt cement 4 gallons Kel 1602 Dye 62.6 BBLs slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS safety meeting 1:03am licr 1:40am cement 1:50am  
Drop Plug 2:09am Displace 2:09am

10 BBLs At 5.5 BBLs/m 2:12am 270psi  
20 BBLs At 5.5 BBLs/m 2:14am 360psi  
30 BBLs At 3.5 BBLs/m 2:23am 260psi  
38.4 BBLs At 1.0 BBLs/m 2:27am 220psi  
Bump Plug 2:27am 380psi

used 20% Excess  
used 256 skt cement  
57.9 BBLs slurry

LPT w/ 394 skt cement 3gal Kel 602 Dye

BBLs Back 10

AUTHORIZATION TO PROCEED

TITLE

DATE

2-23-11

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