

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 # 11093

LOCATION Guttersen Ranch

FOREMAN Mike Rosaker

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-2-12	Guttersen U-30-68 HN	29	3N	64W	Weld	
CHANGE TO	Noble					
MAILING ADDRESS	OWNER					
CITY	OPERATOR Noble					
STATE ZIP CODE	CONTRACTOR Ensign 121					
TIME ARRIVED ON LOCATION	DISTANCE TO LOCATION					
11:00 AM PM	TIME LEFT LOCATION 12:30 AM					

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
13 3/4	8 1/2				
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
8245					
PBTD 794-22	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE	TUBING CONDITION		TUBING		
9 5/8					
CASING DEPTH		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
8518					
CASING WEIGHT	PACKER DEPTH		SURFACE PIPE		BREAKDOWN BPM
3618			PRODUCTION CASING		INITIAL BPM
CASING CONDITION			SOEEZE CEMENT		FINAL BPM
Good			ACID BREAKDOWN		MINIMUM BPM
			ACID STIMULATION		MAXIMUM BPM
			ACID SPOTTING		AVERAGE BPM
			MISC PUMP		
			OTHER		HYD HP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB Rig up, Sattymetry, PSF TEST 500, Circ 60 BBH held KLL mix
2nd 10 Dye mix + Pump 450 SKS Cement (30% EXCESS) 2.27 gal at 15-2 IPS or
until Compaymer stops use Release Plug Displace 60 BBHs How Pump Plug 150
PSF over 1st wait 10 min Release PSF wash Rig Down
ARRIVED 600 SKS Cement 10 gal KLL 16 oz Dye

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Sattymetry 9:35 AM Circ 10:00 AM Cement START 10:15
Cement STOP 10:49 AM Drop Plug 10:55 AM Displace 10:55 AM

10 BBHs at 5-6 BBH/m 10:57 AM 260 PSF USED 15% EXCESS
20 BBHs at 5-6 BBH/m 10:59 AM 290 PSF USED 400 SKS Cement
30 BBHs at 5-6 BBH/m 11:01 AM 360 PSF STORY 90.4
40 BBHs at 5-5 BBH/m 11:03 AM 420 PSF Flow Collar
50 BBHs at 5-5 BBH/m 11:04 AM 470 PSF hold
60 BBHs at 1-1 BBH/m 11:09 AM 400 PSF
61.3 BBHs at 1-1 BBH/m 11:12 AM 280 PSF BBH BACK TO P.T
Bump Plug 1-1 BBH/m 11:12 AM 500 PSF (11)
Cement with SKS Cement GTS KLL, O Dye

Demetrius Robert
AUTHORIZATION TO PROCEED
Co-REP
DATE 7-2-12

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.