

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10355

LOCATION WCR 53+48

FOREMAN Mike Rosalez
L.R. Mark Rose

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-14-11	Burman C-05-22-U	5	4W	64W	Weld	
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR SAXON 143			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 2:45			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 710	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 660.24	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 706		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 241BS	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION			[] 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

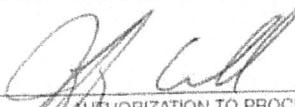
INSTRUCTIONS PRIOR TO JOB Rig up, Sattymecting, PSI TEST, Circulate 40 BBLs H₂O/KCL mix 2nd 10 Dye
Mix + Pump 300 5 lbs Cement (30% EXCESS) yield 1.27, Density 15.2 lbs or cont. 1 Compagner Step
US. Release Plug + Displace 420 BBLs H₂O Bump Plug 150 PSI over 115. Release PSI washup Rig Down
H₂O TEST GOOD

Arrived with 555 lbs Cement 1296 KCL 16 07 Dye Slurry 67.8

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Sattymecting 3:30 AM Circulate 3:57 AM Cement 4:06 AM
Drop Plug 4:27 AM Displace 4:27 AM

10 BBLs at 5-5 BBLs/m 4:31 AM 290 PSI	USED 5% EXCESS
20 BBLs at 5-5 BBLs/m 4:33 AM 330 PSI	USED 243 lbs Cement
30 BBLs at 5-2 BBLs/m 4:35 AM 430 PSI	54 Slurry
40 BBLs at 2-5 BBLs/m 4:37 AM 330 PSI	1
42 BBLs at 1-5 BBLs/m 4:39 AM 330 PSI	
Bump Plug 4:39 AM 550 PSI	

Left with 332 lbs Cement 8 gals KCL to Dye BBB BACK (2)

 G. O. MAN 10-14-11
AUTHORIZATION TO PROCEED TITLE DATE