

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9748
LOCATION WCR 37 & 32
FOREMAN D. Garcia / S. Hernandez

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-10-11	Woodell PC H2C-24	2C	32'	65W	Weld	
CHARGE TO			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR			
STATE / ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PATA	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE	TUBING CONDITION		TUBING		
CASING DEPTH		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT	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 4.08

INSTRUCTIONS PRIOR TO JOB: Rig up, Safety meeting, PSI test, Circ 40 bbls of H₂O w/ KCL 2nd 10 w/ Coe Dye mix + pump 296 sks of Cement @ 30% Excess @ 152" @ 1.27 gpm or until stopped by Cement. Drop Plug, Displace 41.4 bbls of H₂O, Bump Plug @ 150 psi, over 1 ft psi, wait 5 min Release PSI, Washup Rig Down. H₂O test ok.

Arrival w 750 sks of Cement 3 qd KCL 32oz Dye. 66.9 bbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: Safety meeting 12:55pm, Circ 100 Ann Cement 1:09pm, Drop Plug 1:27pm, Displace 1:27pm.

10 bbls	5.0 gpm	240 psi	1:31 AM	0% Excess
20 bbls	5.0 gpm	300 psi	1:33 AM	236 sks Cement
30 bbls	5.0 gpm	420 psi	1:35 AM	53.3 bbls of Slurry
40 bbls	1.0 gpm	290 psi	1:38 AM	
41.4 bbls	1.0 gpm	290 psi	1:39 AM	
Bump Plug		420 psi	1:39 AM	

Left w 500 sks of Cement 2 qd KCL 22oz Dye. 10 bbls of Slurry Back.

AUTHORIZATION TO PROCEED

WSS
TITLE

3-10-11
DATE