

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9531

LOCATION C-74-65

FOREMAN Kirk Kallhorst
Mike R. Gay

TREATMENT REPORT

DATE 12-20-10	WELL NAME NCLP RCAA 04-14	SECTION 4	TWP 6N	RGE 63W	COUNTY weld	FORMATION
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR Code 22			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 3:00am			TIME LEFT LOCATION 8:00am			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 595	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 596.41	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 582.83		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24.14	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, Psitest, circ 30 BBLs H2O and 10W/Dye, mix Pump 252 SKS cement at 30% excess at 1.27 yielded 15.2 lbs or until coming steps 45, Release Plug Displace 34.8 BBLs H2O Bump Plug At 150psi air lift Psi wait 5 min Release Psi wash up Rig Down H2O test ok
Arrived w/ 575 SKS cement 4 gallons HCL 16oz Dye 56.8 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safe, meeting 6:06am circ 6:25am cement 6:35am
Drop Plug 6:55am Displace 6:55am

10 BBLs At 5.5 BBLs/m 6:58am 370psi used 54% excess
20 BBLs At 5.5 BBLs/m 7:02am 410psi used 300 SKS cement
30 BBLs At 2.5 BBLs/m 7:05am 260psi 67.3 BBLs slurry
34.8 BBLs At 1.0 BBLs/m 7:08am 220psi
Bump Plug 7:08am 360psi

LPT w/ 275 SKS cement 3 gallons 1st HCL 6oz Dye BBLs Back 14

 WSS 12-20-10
AUTHORIZATION TO PROCEED TITLE DATE