

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10277
LOCATION WCR 70 & 55
FOREMAN Grant Lowe

TREATMENT REPORT

DATE 8-29-11	WELL NAME TYE USX A15-03D	SECTION 15	TWP 6N	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Saxon #143				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 8:20 AM		TIME LEFT LOCATION 11:15 AM				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 915	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD-867.42	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 912.79		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24.69	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 per C. man. Press test to 500 psi, Circulate 50 bbls H₂O/KCL with dye x's 16 oz in 2nd 10 bbls, mix and pump cement 15.2 density @ 1.27 yield until dye is seen, not to exceed 9% without consulting C. man. Drop plug, displace 55.5 bbls, bump plug @ 150 psi over lift pres wait 5 min, release press, Wash up Rig down, H₂O tested good. Arrived on location with 700 sks 32oz dye, 20 gts KCL

JOB SUMMARY

DESCRIPTION OF JOB EVENTS: Safety meeting @ 9:00 AM, Circulate @ 9:42 AM, Cement @ 9:57 to 10:17 AM, Drop plug 10:19 AM, Displace @ 10:20 AM.

10 bbls @ 240 psi @ 10:22 AM @ 7.0 bbls/min
20 bbls @ 300 psi @ 10:23 AM @ 7.0 bbls/min
30 bbls @ 400 psi @ 10:25 AM @ 7.0 bbls/min
40 bbls @ 510 psi @ 10:27 AM @ 7.0 bbls/min
50 bbls @ 600 psi @ 10:28 AM @ 7.0 bbls/min
55.5 bbls @ 400 psi 10:29 AM @ 1.0 bbl/min
Bump plug @ 550 psi @ 10:30 AM
Float collar held.

15% Excess
342 sacks
77.35 bbls slurry
10 bbls to pit.

Left location with 358 sks, 16oz dye, 15 gts KCL

[Signature]
AUTHORIZATION TO PROCEED

TITLE

8-29-11

DATE