

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9591

LOCATION cr 55-80

FOREMAN Kirk Rallard
Mike R, Twister L. Guy A

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-27-10	Dillard AB 10-08	10	7N	64W	Weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Cade 21				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 4:00am		TIME LEFT LOCATION 10:00am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 1/2	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 840.1	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 787.37	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 832.48		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 36 lb	PACKER DEPTH		[X] 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, Psi test, circ 60 BBLs H2O 2nd 10w/Dye, mix & Pump 421 SKs cement at 30% excess at 127yds at 152 lbs until cement stops up, Release Plug Displace 60.8 BBLs H2O Pump Plug At 150 psi over Lift Psi wait 5min Release Psi washup Rig Down

H2O test OK

Arrived w/ 575 SKs cement 4 gallons Kcl 16oz Dye

95 BBLs slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS safety meeting 7:25am circ 8:16am cement 8:30am

Drop Plug 8:58am Displace 8:58am

10 BBLs At 5.5 BBLs/m 9:00am 350psi

used 14% excess

20 BBLs At 5.5 BBLs/m 9:05am 380psi

used 371 SKs cement

30 BBLs At 5.5 BBLs/m 9:07am 450psi

83.3 BBLs slurry

40 BBLs At 5.5 BBLs/m 9:09am 530psi

Float Didn't Hold

50 BBLs At 5.5 BBLs/m 9:12am 570psi

60 BBLs At 1.0 BBLs/m 9:17am 300psi

60.8 BBLs At 1.0 BBLs/m 9:18am 300psi

Pump Plug 9:18am 410 psi

LFTW/204 SKs cement 2 gallons 20w/Kcl 6oz Dye

BBLs Back 14

WMC [Signature]

CO Rep.

12-27-10

AUTHORIZATION TO PROCEED

TITLE

DATE