

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8952

LOCATION WCR 55-80

FOREMAN Kirk Kallhauff
mile 2 mile D mile S

TREATMENT REPORT

DATE 4-4-10	WELL NAME Dillard AB 10-1	SECTION 10	TWP 7N	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR cade 21				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 1:30pm		TIME LEFT LOCATION 11:30pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 1/2	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 1261.2	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 1206.52	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 1249.4		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 90 BBLS H2O 2nd 10w/Dye mix & Pump 467 sks cement at 1.32 yield at 0% excess, at 141.8 lbs for Land mix & Pump 145 sks cement at 1.27 yield at 152 lbs for tail or until cement stops up, Release Plug Displace 90.8 BBLS of H2O Bump Plug at 150psi over LIFT Psi, wait 5 min Release Psi wash up Rig Down Arrived w 730 sks cement 4 gallons Kcl 1602 Dye H2O test OK 1146 BBLS slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS: Safety meeting 9:38pm Circ 9:44pm cement 10:04pm
Drop Plug 10:34pm Displace 10:34pm
10 BBLS AT 5.5 BBLS/m 10:37pm 490psi Bump Plug 11:00pm 660psi
20 BBLS AT 5.5 BBLS/m 10:39pm 450psi
30 BBLS AT 5.5 BBLS/m 10:41pm 480psi 1189 BBLS slurry
40 BBLS AT 5.5 BBLS/m 10:43pm 560psi used 367 sks wet cement
50 BBLS AT 5.5 BBLS/m 10:45pm 510psi used 145 sks BFW w cement
60 BBLS AT 5.5 BBLS/m 10:47pm 630psi LFT w 218 sks cement 4 gallons Kcl 602 Dye
70 BBLS AT 5.5 BBLS/m 10:49pm 770psi
80 BBLS AT 5.5 BBLS/m 10:51pm 860psi
90 BBLS AT 1.0 BBLS/m 10:54pm 430psi
90.8 BBLS AT 1.0 BBLS/m 11:00pm 450psi BBLS Back 5

[Signature]

AUTHORIZATION TO PROCEED

TITLE

4-4-10

DATE