

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8814
LOCATION WCR 55 x 80
FOREMAN Daniel Saltzman
Mike D. Wade

TREATMENT REPORT

DATE <u>6-12-10</u>	WELL NAME <u>Dillard AB 10-11</u>	SECTION <u>10</u>	TWP <u>7</u>	RGE <u>64w</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Code 21</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>3:30pm</u>		TIME LEFT LOCATION <u>5:00</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 1/2</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>807.2</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 751.32</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>795.60</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36#</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SOOZE CEMENT		FINAL BPM
			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER		HYD HP = RATE X PRESSURE X 4.08

INSTRUCTIONS PRIOR TO JOB Ris up, Safety meeting, Psi test 70 psi Cier 50 hls of H₂O w/ 2nd low
1000 Dye, mix & pump 404 sks of Cement @ 1.52" to 1.27 yield or until stopped by cement
Drop Plug Displace 58 hls of Bump Plug @ 150 psi over 1 ft psi wait 5 min Release
Psi washup Ris Down. H₂O test ok

Arrival w 570 sks of Cement 3 1/2 KCL 3200 Dye 91.3 hls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 3:50pm Cier 3:56pm Cement 4:20
Drop Plug 4:45pm Displace 4:45pm

10	5.0/m	180 psi	4:48pm	used 327 sks of cement 5% Excess 73.7 hls of Slurry
20	5.0/m	180 psi	4:50pm	
30	5.0/m	200 psi	4:52pm	
40	5.0/m	240 psi	4:56pm	
50	5.0/m	340 psi	4:59pm	
58	1.0/m	270 psi	5:04pm	

Bump Plug no per Co man

3 hls Back

[Signature]

Rep

6-12-10

AUTHORIZATION TO PROCEED

TITLE

DATE