

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10335

LOCATION WCR 49 + 30

FOREMAN Mike Rosalee
LIR mark S

TREATMENT REPORT

DATE <u>9-9-11</u>	WELL NAME <u>Dechant D-31 21-W</u>	SECTION <u>31</u>	TWP <u>3N</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>Ensign 128</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>7:45</u>		TIME LEFT LOCATION				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>814</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>759.62</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>805</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>241BS</u>	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			[] 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, PSE TEST, Circulate 50 BBls H₂O/KCL mix 2nd 10 Dye
mix and pump 344 sks Cement (30% Excess) yield 127 qt 15.2 lbs / or unt. 1 Company man stops
us, No more than 10 % Per Company man. Release Plug + Displace 48.3 BBls H₂O Bump Plug 150 PSE
Over 11ft wait 5 min Release PSE, Wash up Rig down H₂O Test Good
Arrived with 650 sks Cement 4 gal KCL 1602 Dye Slurry 77.8

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 12:00 N Circulate 12:22 pm Cement 12:34
Drop Plug 12:57 Displace 12:58

10 BBls at 5-0 BBls/m 1:00 pm 250 PSE Used 13 % Excess
20 BBls at 5-0 BBls/m 1:02 pm 300 PSE Used 300 sks Cement
30 BBls at 5-0 BBls/m 1:04 pm 400 PSE Slurry 6.78
40 BBls at 3-5 BBls/m 1:07 pm 410 PSE
48.3 BBls at 1-5 BBls/m 1:12 pm 340 PSE
Bump Plug 1:12 pm 560 PSE

Left with 350 sks Cement 2 gal 3 gals & Dye BBls Back 10

(Paul W. Dem) Consultant 9-9-11
AUTHORIZATION TO PROCEED TITLE DATE