

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11513
LOCATION 74859
FOREMAN Tucker Libman
Monte, Rich

TREATMENT REPORT

DATE <u>4/14/12</u>	WELL NAME <u>Cecil USA 401-63-114V</u>	SECTION <u>1</u>	TWP <u>6N</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 121</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>3:30 am</u>		TIME LEFT LOCATION <u>11:30 am</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>910</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PROD <u>854.55</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>849.85</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 lb</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>bad</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SQUEEZE 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 HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up Safety meeting PSF test for cement Circ 60 bbls H₂O 2nd to w/dye
mix & pump 496 sls cement at 38% press at 1.27 yield at 30% excess at 15.2 lbs or until cement stops vs
Leaky Plug Plug 6.6 bbls H₂O Pump Plug at 150 psi over 1 ft psi wait 5 min release psi in cleanup
rig down
Arrived w/ 650 sls cement 4 gal KC4 1600 dye
H₂O test ok
110.8 bbls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 8:53 am Circ 9120 Cement 9136
Stop cement 10:10 Plug Plug 10:15 Dep 10:15

Time	Pressure	Notes
10 bbls at 10:17 am	150 psi	used 1/1 % mass
20 bbls at 10:19	200 "	used 421 sls cement
30 bbls at 10:21	230 "	95.2 bbls slurry
40 bbls at 10:24	400 "	
50 bbls at 10:26	1410 "	
60 bbls at 10:30	350 "	
66 bbls at 10:36	540	
Bump Plug 10:36 am	540 psi	
Left w/		

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AUTHORIZATION TO PROCEED

TITLE

DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.