

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11287
LOCATION 19820
FOREMAN Tucker/Whitaker

TREATMENT REPORT

DATE <u>8/28/12</u>	WELL NAME <u>Abby State Vll. 774W</u>	SECTION <u>16</u>	TWP <u>2N</u>	RGE <u>6W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&P 323</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>7:30 pm</u>		TIME LEFT LOCATION <u>2:00 am 8/29/12</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>745</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>6.7</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>724</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 lbs</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SOOZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM HYD HP = RATE X PRESSURE X 40.8
CASING CONDITION <u>Good</u>					

INSTRUCTIONS PRIOR TO JOB: Rig up Safety meeting PST test per company Circ 50 bbls KCL H2O 2nd 1091
due with pump 341. sls cement at 30% excess w/ yield 1.27 at 52 lbs or until co-press
Stop release plug drop 224 bbls the Pump Plug 150 psi over lift psi wait 5 min Release
psi workshop & gelatin
Arrived w/ 550 sls 4 gal KCL 16 cordyl 85.4 bbls slurry
JOB SUMMARY
DESCRIPTION OF JOB EVENTS: Safety meeting 11:53 pm Circ 12:13 am Cement 12:35
Stop cement 12:53 Drop Plug 12:59 Plug 12:59

10 bbls at 1:01 am 200 psi used 20 % excess
20 bbls at 1:03 310 used 364 sls cement
30 bbls at 1:05 350 113 p 1:08 am 82.3 bbls slurry
40 bbls at 1:07 450 pressure check
50 bbls at 1:10 210
52.4 bbls at 1:12 650
Bump Plug at 1:12 am 650 psi
Left w/ 186 sls 2 3/4 gal KCL BBLs back 10

Jeff NE# AUTHORIZATION TO PROCEED WSS TITLE 8/28-29/12 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