

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11091
LOCATION Wells Ranch
FOREMAN Mike Resak

TREATMENT REPORT

DATE <u>6-30-12</u>	WELL NAME <u>Wells Ranch AA-14-GS-HAL</u>	SECTION <u>14</u>	TWP <u>6N</u>	RGE <u>6E3</u>	COUNTY <u>WY</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H+P 315</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>4:00 pm</u>		TIME LEFT LOCATION				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>722</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 672.04</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>716.45</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>36185</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 HP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, Satisfactory, PSE TEST 500 PSE 50 BBLs Spacer 2 1/2 Dye mix + Pump 389 SK Cement (30% Excess) 127 yk Q+ 15-2 or until Company man stops us. Release Plug Displace 51.9 BBLs No Pump Plug 150 PSE over 1st wait 5 min Release PSE WAS up Rig Down

ARRIVED 600 SK Cement 16 gk KLL, 1602 Dye 100.15 SAPP 1/2 gnt Sand 1602 Dye

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Satisfactory 5:15 AM Spacer 5:45 AM Cement START 6:03 PM Cement STOP 6:25 PM DROP PLUG 6:30 PM DWPLACE 6:30 PM

10 BBLs at 5-7 BBLs 6:34 PM 310 PSE Used 35 9/10 Excess
20 BBLs at 5-5 BBLs 6:36 PM 380 PSE Used 406 SK Cement
30 BBLs at 5-5 BBLs 6:38 PM 420 PSE Spung 91.8
40 BBLs at 5-5 BBLs 6:40 PM 450 PSE Flow Cell hold
50 BBLs at 1-3 BBLs 6:42 PM 250 PSE
51.9 BBLs at 1-3 BBLs 6:42 PM 250 PSE
Pump Plug 1-3 BBLs 6:45 PM 500 PSE BBLs BACK to P.T

10

Left with 194 SK Cement 11 gk KLL 100 SAPP 1/2 Sapp Dye

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