

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11547

LOCATION Wells Ranch

FOREMAN Mike Rosale

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-5-12	Wells Ranch USX AE23-631H	29	6	62	Weld	
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>H+P Inc</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>7:30</u>			TIME LEFT LOCATION <u>1:30 PM</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>757</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PSD 702.17</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>252</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36100</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 check, PSE Test 500 PSI, 50 BBL spacer, KCL mix 1st 10 SAPP 2nd 10 Dye, Son P. mix + Pump mix + Pump 408 SBL (30% Excess) 127 gal 15-2/105 or until Compaction stopper Release Plug Displace 54.6 Bump Plug 200 PSI over 1st Release PSE Wash Down Slurry

Arrived 6:50 Site Cement 1001BS SAPP 5 gal Sonu 11 gal KCL 1602 Dye

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety check 11:05 AM spacer 11:40 AM Cement 11:54
Cement stop 12:22 DRUG PLUG 12:30 PM Displace 12:30 PM

10 BBLs at 5-6 BBLs 12:36 PM 290 PSI Used 31 9/16 Excess
20 BBLs at 5-6 BBLs 12:38 P.M. 350 PSI Used 4 1/4 SBLs Cement
30 BBLs 5-6 BBLs 12:46 P.M. 420 PSI Slurry 93.6
40 BBLs at 5-6 BBLs 12:42 P.M. 450 PSI
50 BBLs at 1-3 BBLs 12:44 P.M. 310 PSI Flow Collar Held
54.6 BBLs at 1-3 BBLs 12:48 P.M. 320 PSI
Bump Plug 1-3 BBLs 12:48 P.M. 510 PSI

Left with 23 1/2 SBLs cur 12510 SAPP 4 gal 1st Dye BBLs Bump Plug P.T (16)

J.W. Truitt
AUTHORIZATION TO PROCEED

WSS

TITLE

5/5/12

DATE

Customers hereby acknowledge and specifically agree 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.