

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10760
LOCATION WCR 51 +22
FOREMAN Mile Rosalce

TREATMENT REPORT

DATE <u>1-26-12</u>	WELL NAME <u>UPRR USX 417 -02</u>	SECTION <u>17</u>	TWP <u>2</u>	RGE <u>64W</u>	COUNTY <u>WCK</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign 126</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>5:30 AM</u>		TIME LEFT LOCATION <u>10:30 AM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>888</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>DBTD 837.04</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>882.5</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>241 LB</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

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB Rig up, Sattymecting, PSE TEST 500 PSI Circ, 50 BBls H₂O / KCL 2nd
10 Dye, mix + Pump 376 sks Cement (30% EXCESS) yield 1.27. AT 15-2, BS on until Pump
stops us. Release Plug Displace 53.3 BBls H₂O Pump Plug 150 PSI over 1st, wait 5 min Release
PSE, Wash Rig Down H₂O TEST Good

Arrived with 600 sks Cement 12 gals KCL 16.02 Dye Slurry 85.04
JOB SUMMARY
DESCRIPTION OF JOB EVENTS Sattymecting 7:05 AM Circ. 7:54 AM Cement 8:24 AM
DROP Plug 8:48 AM Displace 8:48 AM

10 BBls at 5-0 BBls/m 8:51 AM 240 PSI USED 8 0% EXCESS
20 BBls at 5-0 BBls/m 8:53 AM 290 PSI USED 314 sks Cement
30 BBls at 5-0 BBls/m 8:55 AM 430 PSI Slurry 7:02
40 BBls at 5-0 BBls/m 8:57 AM 530 PSI Flow Cellar held
50 BBls at 1-0 BBls/m 9:02 AM 460 PSI
53.3 BBls at 1-0 BBls/m 9:04 AM 400 PSI
Pump Plug 1-0 BBls/m 9:04 AM 640 PSI BBls BACK to P-T

Left with 286 sks Cement 7 gals KCL & Dye

[Signature] Rig supervisor 1-26-12
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.