

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11472
LOCATION 392 + 57
FOREMAN Mike Rosalez

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-13-12	RAYGLO A15-68 1 HN	14	CON	64W	Weld	
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>HTP 323</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>11:00 AM</u>			TIME LEFT LOCATION <u>7:30</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>897</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>846.67</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>892</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36</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, Satisfy meeting, PSE TEST 500 PSI Circ 60 BBls H₂O / KCL mix
2nd 10 Dye, mix + Pump 483 sks Cement (30% Excess) 127 gals at 15-21 BS or
until Compartment stops use. Release Plug Displace 65.4 BBls H₂O Bump Plug 150
PSI over 1st wait couple min. Release PSE PSE, Wash up, Rig Down H₂O TEST Good
Arrived with 600 sks Cement, 10 QTS KCL 1602 Dye Slurry 109.2

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Satisfy meeting 4:25 PM Circ 5:00 PM Cement Staker 5:15 PM
Cement Stop 5:49 PM Drop Plug 5:54 PM Displace 5:54 AM

10 BBls at 5-4 BBls 5:58 PM 250 PSI Used 13 % Excess
20 BBls at 5-4 BBls 6:00 PM 280 PSI Used 421 sks Cement
30 BBls at 5-4 BBls 6:02 PM 360 PSI Slurry 95.22
40 BBls at 5-4 BBls 6:04 PM 430 PSI
50 BBls at 5-3 BBls 6:06 PM 510 PSI Flow Coller held
60 BBls at 30 BBls 6:08 PM 420 PSI
65.4 BBls at 1-0 BBls 6:12 PM 350 PSI
Bump Plug 1-0 BBls 6:12 PM 580 PSI BBls Back to AT
Left with sks Cement 4 QTS KCL 1602 Dye 13

DAVE NIELSEN

NEI COMAN

4-13-12

AUTHORIZATION TO PROCEED

TITLE

DATE