

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11371
LOCATION WCR 20161
FOREMAN Mike Rosalez

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-14-12	Shocmaker A-12 23-D	12	6N	64W	Weld	
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>4:00 pm</u>		TIME LEFT LOCATION <u>11:30</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>876</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>ABTD 824.78</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>871.16</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>241BS</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, Sathymechy, PSI TEST 500 PSI, Circ 50 BBb/KCL mix and 10 Dye, mix+Pump 371 SKs Cement (30% EXCESS) 1.27 yield of 15-2 BS, or until Comp stopper us, Release Plug Displace 52.5 BBb H2O Bump Plug 150 over 1st wait few min Release PSI, Wash up, Rig Down.
Arrived with 650 SKs 8 qts KCL 1602 Dye Slurry H2O TEST

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Sathymechy 9:20 pm Circ 9:42 PM Cement 10:00 PM
Drop Plug 10:24 PM Displace 10:24 PM

10 BBb at 5-0 BBb/lm 10:28 pm 180 PSI Used 15 0% EXCESS
20 BBb at 5-0 BBb/lm 10:30 pm 200 PSI Used 329 SKs Cement
30 BBb at 4.7 BBb/lm 10:32 pm 240 PSI Slurry 74.41
40 BBb at 5-0 BBb/lm 10:34 pm 430 PSI
50 BBb at 1-0 BBb/lm 10:37 pm 280 PSI
52.5 BBb at 1-0 BBb/lm 10:40 pm 290 PSI
Bump Plug 1-0 BBb/lm 10:40 pm 480 PSI BBb BAK to PT
Flow Collar (held) 10
Left with 321 SKs Cement 3 qts KCL & Dye

AUTHORIZATION TO PROCEED

WSS

TITLE

2-14-12

DATE