

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone 303-296-3010
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E-mail: bisonoil@questoffice.net

REF INVOICE # 11223

LOCATION 6-8-69

FOREMAN Kirk Kallan FF
Mike R. Scott

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-28-12	Bbs 24-67-1NC	24	6A	6S	Weld	
CHANGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR HEP 321				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 3:30pm		TIME LEFT LOCATION 9:00pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 624	TUBING DEPTH	SHOTS/FT	SURFACE PIPE AMBULUS LONG		
BBB 572	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 4 3/8	TUBING CONDITION		TUBING		
CASING DEPTH 614		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 36 lb	PACKER DEPTH		X SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			I PRODUCTION CASING		INITIAL BPM
			I SQUEEZE CEMENT		FINAL BPM
			I JACID BREAKDOWN		MINIMUM BPM
			I JACID STIMULATION		MAXIMUM BPM
			I JACID SPOTTING		AVERAGE BPM
			I MISC PUMP		
			I OTHER		HYDRA - RATE X PRESSURE X 10.0

PRESSURE SUMMARY			
BREAKDOWN OPERATING PSI	AVERAGE PSI		
FINAL BREAKDOWN PSI	ESP PSI		
AMBULUS PSI	5 MIN TIP PSI		
MAXIMUM PSI	15 MIN TIP PSI		
MINIMUM PSI			

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Bbs test, Per cement circ 40 Bbs Rel 1120, 2.0 ton/Dye mix Pump
337 SKs cement at 30% excess at 1.27 yield at 152 lbs, cement till cement stops, Release Plug
Disp 44.2 Bbs 1120, Pump Plug at 150 psi over Lift Bbs, wait 5 min Release Plug, wash up
Bbs down
Arrived w/ 750 SKs cement 4.00 PM 16.00 Dye 76.2 Bbs slurry

JOB SUMMARY	
DESCRIPTION OF JOB EVENTS	7:00pm circ 7:00pm cement 7:20pm stop cement 7:49pm Disp Plug 7:50pm Displace 7:50pm 10 Bbs at 5.5 Bbs/s 7:50pm 30psi 20 Bbs at 5.5 Bbs/s 7:56pm 30psi 30 Bbs at 5.5 Bbs/s 7:58pm 40psi 40 Bbs at 3.5 Bbs/s 8:00pm 35psi 44.2 Bbs at 1 Bbs/s 8:03pm 270psi Disp Plug 8:03pm 55psi

1.5 ton/ 400 SKs cement 3.00 PM 6.00 Dye 76.2 Bbs slurry	7-28-12
Roger Foster	WSS
DATE	DATE

The owner hereby acknowledges and specifically agrees to the terms and conditions on this work order including, without limitation, the provisions on the reverse side thereof which include the release and indemnity.