

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10761

LOCATION 37-8

FOREMAN Kirk Kauff

Tucker, Jessy, Rich, Pat

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-11-11	Brandt USX WW 13-07D	1	2N	3W	Weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Saxon 145				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 7:30am		TIME LEFT LOCATION 4:00pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 1275	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 1221.05	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 1261.87		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2415	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[ ] 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 meeting, PSI test, Per Loman, Circ 40 BBLs KCL H2O, mix & Pump Lead cement 377 SKs neat cement at 1.32 yield at 14.8 lbs, mix & Pump Tail cement 396 BBLs 100 SKs at 1.27 yield at 15.2 lbs, Release Plug Disp 77.7 BBLs H2O Bump Plug at 150 psi over Lift PSI, wait 5 min. Release PSI, wash up Rig Down H2O test OK  
Arrived w/ 450 SKs neat cement 200 SKs 3% cement 4 gal KCL 88.6 BBLs slurry Lead 22.6 BBLs slurry Tail

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS safety meeting 1:40pm Circ 2:08pm cement 2:15pm  
Disp Plug 2:51pm Displace 2:51pm  
10 BBLs AT 6.0 BBLs/min 2:53pm 240 psi used 20% Excess Lead  
20 BBLs AT 6.0 BBLs/min 2:55pm 320 psi used 377 SKs cement Lead  
30 BBLs AT 6.0 BBLs/min 2:57pm 320 psi used 100 SKs cement Tail  
40 BBLs AT 6.0 BBLs/min 2:59pm 380 psi 88.6 BBLs slurry Lead  
50 BBLs AT 6.0 BBLs/min 3:01pm 480 psi 22.6 BBLs slurry Tail  
60 BBLs AT 6.0 BBLs/min 3:03pm 530 psi  
70 BBLs AT 3.0 BBLs/min 3:05pm 480 psi  
77.7 BBLs AT 1.0 BBLs/min 3:11pm 450 psi  
Bump Plug 3:11pm 720 psi  
L Plug / 73 SKs neat cement 100 SKs 3% cement 3 gal KCL BBLs Bore 23

[Signature] AUTHORIZATION TO PROCEED W.S.S. TITLE 12-11-11 DATE