

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9221

LOCATION Cr 95-130

FOREMAN Kirk Kallhoff  
Mike R. Tucker, Grant L.

## TREATMENT REPORT

DATE 7-27-10	WELL NAME marc PL GR 11-02	SECTION 11	TWP 11N	RGE 61W	COUNTY weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Fort 5				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 4:00pm		TIME LEFT LOCATION 9:30pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 1270.1	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 1219.61	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 1263.71		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		[X] 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

### 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, safety meeting, Psitest, circ 40 BBLs H<sub>2</sub>O and 104 Dye mix & Pump lead cement 275 sks at 17% Express at 1.69 yield at 13.1 lbs, mix & Pump tail cement 100 sks at 1.27 yield at 15.2 lbs Release Plug Displace 77.6 BBLs H<sub>2</sub>O, Bump Plug at 150psi over L.Ft Psi wait 5min Release Psi wash up Rig Down H<sub>2</sub>O test ok

Arrived w/ 575 sks cement 4 gallons KCl 16oz Dye Lead slurry 82.7 Tail slurry 22.6

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting, 7:30pm circ 7:48pm cement 7:57pm

Drop Plug 8:44pm Displace 8:44pm

10 BBLs at 5.5 BBLs/m 8:47pm 320psi used 17% Express lead

20 BBLs at 5.5 BBLs/m 8:49pm 320psi Lead 275 sks cement 82.7 BBLs slurry

30 BBLs at 5.5 BBLs/m 8:51pm 320psi Tail 100 sks cement 22.6 BBLs slurry

40 BBLs at 5.5 BBLs/m 8:53pm 2130psi

50 BBLs at 5.5 BBLs/m 8:55pm 570psi

60 BBLs at 5.5 BBLs/m 8:58pm 700psi

70 BBLs at 3.5 BBLs/m 9:00pm 540psi

77.6 BBLs at 1.0 BBLs/m 9:04pm 430psi

Bump Plug 9:04pm 550psi

L.Ft w/ 200 sks cement 3 gallons KCl 6oz Dye BBLs Back 20

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.