

BISON OIL WELL CEMENTING, INC.



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

REF. INVOICE # 9787

LOCATION WCR 36453

FOREMAN Grant Lowe

TREATMENT REPORT

DATE 4-29-11	WELL NAME Marie D 04-20	SECTION 4	TWP 3N	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign #55				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 11:05 AM		TIME LEFT LOCATION 9:15 PM				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 712.16	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 662.09	TUBING WEIGHT → 658	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 706.78 → 702.19	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT 24 lbs	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 per Co man, PSI test to 500psi, Circulate 40bbls H₂O/KCL with Dye x's 16oz in 2nd 10bbls, mix and pump cement @ 15.2lbs @ 1.27yld til dye is seen, pump tub only, Release plug & displace 41.9bbls H₂O, bump plug @ 150psi over lift press, Wait 5 min. release press, Wash up, Rig down, H₂O tested good.
Arrived on location with 700sks cement, 32oz dye, 12gts KCL

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting @ 7:38pm, Circulate @ 7:53pm, cement @ 7:58pm to 8:20pm
Drop plug @ 8:22pm, Displace @ 8:23pm.
10bbls - 275psi @ 8:24pm @ 7.0bbls/min
20bbls - 350psi @ 8:26pm @ 7.0bbls/min
30bbls - 400psi @ 8:28pm @ 7.0bbls/min
40bbls - 300psi @ 8:31pm @ 1.0bbls/min
41.9bbls - 300psi @ 8:33pm @ 1.0bbls/min
Bump plug @ 8:33pm @ 450lbs, Float collar held
Used 3 1/4 sacks, 71 bbls slurry,
left location with 386sks, 16oz dye, 8gts KCL

36% excess

10bbls - pit.

AUTHORIZATION TO PROCEED

TITLE

DATE