

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10149
LOCATION 53434
FOREMAN Grant Lowe

TREATMENT REPORT

DATE 7-21-11	WELL NAME Guthersen, D09-27D	SECTION 9	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 10:30am		TIME LEFT LOCATION 2:00pm				

WELL DATA

HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	PRESSURE LIMITATIONS	
TOTAL DEPTH 718	TUBING DEPTH	SHOTS/FT	THEORETICAL	INSTRUCTED
PBTD 667.94	TUBING WEIGHT	OPEN HOLE	SURFACE PIPE ANNULUS LONG	
CASING SIZE 8 5/8	TUBING CONDITION		STRING	
CASING DEPTH 713			TUBING	
CASING WEIGHT 24lbs	PACKER DEPTH	TREATMENT VIA	TYPE OF TREATMENT	
CASING CONDITION Good			TREATMENT RATE	

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	[] SURFACE PIPE	BREAKDOWN BPM
FINAL DISPLACEMENT	psi	ISIP	psi	[] PRODUCTION CASING	INITIAL BPM
ANNULUS	psi	5 MIN SIP	psi	[] SOOZE CEMENT	FINAL BPM
MAXIMUM	psi	15 MIN SIP	psi	[] ACID BREAKDOWN	MINIMUM BPM
MINIMUM	psi			[] ACID STIMULATION	MAXIMUM BPM
				[] ACID SPOTTING	AVERAGE BPM
				[] MISC PUMP	
				[] OTHER	

INSTRUCTIONS PRIOR TO JOB: Rig up, Safety meeting per Co man. Press test to 500psi. Circulate 40 bbls of KCL with dye @ 16oz in 2nd 10 bbls. Mix and pump cement @ 15.2 density @ 1.27 yield. If dye is seen, pump tub only, not to exceed 30% excess without consulting Co man. Drop plug @ 42.5 bbls. bump plug @ 50psi over lift press, wait 5min, release press. Wash up Rig down, start good. Arrival on location with 700 sks, 32oz dye, 20gts KCL

JB SUMMARY: Safety meeting @ 12:15pm. Circulate @ 12:30pm, Cement @ 12:43 to 1:01pm. Drop plug @ 1:03pm. Displace @ 1:04pm.
0 bbls @ 290 psi @ 1:05 pm @ 7.0 bbls/min
0 bbls @ 390 psi @ 1:07 pm @ 7.0 bbls/min
0 bbls @ 480 psi @ 1:08 pm @ 7.0 bbls/min
10 bbls @ 400 psi @ 1:10 pm @ 4.0 bbls/min
2.5 bbls @ 400 psi @ 1:11 pm @ 1.0 bbls/min
bump plug @ 500psi @ 1:13pm
Float collar held

30% Excess
301 sacks
68.7 bbls slurry
4 bbls to pit

At location with, 396 sks, 16oz dye, 16gts KCL

[Signature]
AUTHORIZATION TO PROCEED

TITLE

7-21-11

DATE