

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10336
LOCATION WCR 23180
FOREMAN Mike Rosale
L.R. marks.

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-10-11	DRAKE PC MM 14-080	14	7	67W	Weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensinger 55				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 7:45		TIME LEFT LOCATION 10:30				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 610	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
DBTD 560.07	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 605.5		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 241BS	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

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, Salty meeting, PSI Test Circulate 40 BBLs H2O/KCL mix 2nd 10 Dye Pump 258 sks Cement (30% Excess) yield 1.22 ct 15.21BS / or until Compagnon stopped US, No more than Excess per Compagnon Release Plug, Displace 35.6 BBLs H2O Pump Plug 150 PSI over lift, wait 5 min Release PSI, Wash up Rig Down H2O Test Good Arrive with 575 sks Cement 3 gal KCL 16 oz Dye Slurry 58.3

JOB SUMMARY DESCRIPTION OF JOB EVENTS Salty meeting 8:45 Circulate 8:57 AM Cement 9:07 AM DROP Plug 9:26 AM Displace 9:28 AM

Volume	Time	Pressure	Notes
10 BBLs at 5.0 BBL/m	9:30 AM	260 PSI	used 22% Excess
20 BBLs at 5.0 BBL/m	9:32 AM	340 PSI	used 243 sks Cement
30 BBLs at 3.5 BBL/m	9:36 AM	330 PSI	Slurry 54.9
35.6 BBLs 1.5 BBL/m	9:39 AM	250 PSI	
Bump Plug 1.5 BBLs	9:39 AM	510 PSI	

Left with 332 sks Cement 2 gal @ 4% KCL Dye @ BBLs Back 12

[Signature]
AUTHORIZATION TO PROCEED

Co Man
TITLE

9-10-11
DATE