

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9727

LOCATION cr43-30

FOREMAN Kirk Kaillor
Mike R LR Jessie

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-27-11	moser PL H 22-24	22	3N	65w	weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 136				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 11:30pm		TIME LEFT LOCATION 5:15am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 700	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 648	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 691		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	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, Prick test, circ 40 bbls KCL H2O, 2nd 10w Dye, mic & Pump 296 sks cement at 30% Excess at 1.2 bbls at 15.2 lbs or until cement stops us, Release Plug, Displace 41.2 bbls H2O, Bump Plug At 150 psi or Lift Psi, wait 5 min Release Psi, wash up, Rig Down

Arrived w/ 575 sks cement 4 gal KCL 16oz Dye H2O test OK
66.8 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: Safety meeting 3:14am circ 3:54am cement 4:03am
Drop Plug 4:20am Displace 4:20am
10 BBLs At 5.5 BBLs/m 4:24am 730psi
20 BBLs At 5.5 BBLs/m 4:26am 820psi
30 BBLs At 5.5 BBLs/m 4:28am 1570psi
40 BBLs At 1.0 BBLs/m 4:32am 260psi
41.2 BBLs At 1.0 BBLs/m 4:33am 260psi
Bump Plug 4:33am 430psi
Used 10% Excess
Used 250 sks cement
56.5 BBLs slurry

LPH w/ 325 sks cement 3 gal KCL 6oz Dye BBLs Back 12

OK K C W.S.S 3-27-11
AUTHORIZATION TO PROCEED TITLE DATE