

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9376

LOCATION CR 49-38

FOREMAN Kirk Kallbors
Mike R. Threlk, Guy A

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-1-10	Amen D06-29	6	3N	64W	Weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 55				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 7:00am		TIME LEFT LOCATION 12:30pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 745.7	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 688.35	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 733.3		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 241.5	PACKER DEPTH		L/S SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
PRESSURE SUMMARY			[] ACID BREAKDOWN		MINIMUM BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		[] ACID STIMULATION		MAXIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		[] ACID SPOTTING		AVERAGE BPM
ANNULUS psi	5 MIN SIP psi		[] MISC PUMP		
MAXIMUM psi	15 MIN SIP psi		[] OTHER		HYD HHP = RATE X PRESSURE X 40.8
MINIMUM psi					

INSTRUCTIONS PRIOR TO JOB Big up, safety meeting, Psi test, circ 40 bbls H2O and 1000 Dye, mix Pump 315 sks at 30% excess at 1.27 yield at 15.2 lbs or until cement stops up, Release Plug Displace 43.8 BBLs H2O, Pump Plug at 150 psi over Lift psi wait 5 min Release psi, washup Rig Down H2O test OK

Arrived w/ 575 sks cement 4 gallons Kcl 1602 Dye 71.1 BBLs slurry

JOB SUMMARY DESCRIPTION OF JOB EVENTS safety meeting 11:03am circ 11:17am cement 11:26am

Drop Plug 11:47am Displace 11:47am

10 BBLs at 5.5 BBLs/m 11:50am 360psi
20 BBLs at 5.5 BBLs/m 11:52am 460psi
30 BBLs at 5.5 BBLs/m 11:55am 550psi
40 BBLs at 2.5 BBLs/m 11:58am 330psi
43.8 BBLs at 1.0 BBLs/m 12:01pm 300psi
Pump Plug 12:01pm 470psi

used 1490 excess
used 279 sks cement
624 BBLs slurry

LFTW/296 sks cement 3 gallons Kcl 602 Dye 13 BBLs Back 13

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