

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10240

LOCATION 34-55

FOREMAN Kirk Kallhoff
miller LR marks

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-2-11	Gutherson state D 22-18	22	3N	64W	weld	

CHARGE TO Nole	OWNER
MAILING ADDRESS	OPERATOR Nole
CITY	CONTRACTOR Ensign 55
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 5:45am	TIME LEFT LOCATION 8:00am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 755	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 706.86	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 748.11		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 2415	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION good			L-SURFACE PIPE		

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

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Psit test, circ 40 bbls KOL H2O, 2nd 1000 Dye, mix 3 PM, 3M SKs cement at 30% Excess at 1.27 yd/d at 15.2 lbs or until cement stops, no more than 50% Excess per cement, Release Plug, Disp 45 BBLs H2O, Bump Plug At 150 psi or Lift Psit, wait 5 min Release Psit, wash up H2O test OK
Rig Down
Arrived w/ 575 SKs cement 4 gal 12d 1607 Dye 72.1 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 6:13am circ 6:33am cement 6:44am
Prop Plug 7:07am Disp 7:07am
10 BBLs at 5.0 BBLs/m 7:10am 250 psi used 16% Excess
20 BBLs at 5.0 BBLs/m 7:12am 370 psi used 286 SKs cement
30 BBLs at 3.0 BBLs/m 7:14am 440 psi 64.3 BBLs slurry
40 BBLs at 3.5 BBLs/m 7:18am 390 psi
45 BBLs at 1.0 BBLs/m 7:22am 320 psi
Bump Plug 7:22am 460 psi

LPM 289 SKs cement 3 gal KOL 2 Dye BBLs Back 12

AUTHORIZATION TO PROCEED
TITLE
DATE 8-2-11