

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9315

LOCATION cr 34-53

FOREMAN Kirk Kallhauf
Mike R. Tucker L. Guy

TREATMENT REPORT

DATE 10-15-10	WELL NAME Gutherson D16-28	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 7:30am			TIME LEFT LOCATION 10:00am			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 659	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 604.61	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 648.78		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		[X] 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, Psi test, circ 30 bbls H2O 2nd 1000 psi/Dye mix Pump
279 sks cement at 30% excess at 1127yrid at 1521550 until cement stops, Release Plug
Displace 38.5 Bbls H2O, Pump Plug at 150 psi over L.P. Psi, wait 5 min Release Psi, wash up
Rig Down H2O test OK
Arrived w/ 575 sks cement 4 gallons Kel 16oz Dye 62.9 Bbls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 8:20 am circ 8:52 am cement 8:58 am
Drop Plug 9:19 am Displace 9:19 am

used 42% excess
used 307 sks
68.7 Bbls slurry
10 Bbls at 5.5 Bbls/m 9:22 am 400 psi
20 Bbls at 5.5 Bbls/m 9:24 am 470 psi
30 Bbls at 3.5 Bbls/m 9:26 am 320 psi
38.5 Bbls at 1.0 Bbls/m 9:35 am 240 psi
Pump Plug NO

L.F.H. 268 sks cement 3 gallons 1st Kel 6oz Dye Bbls Back 17

AUTHORIZATION TO PROCEED
TITLE
DATE 10-15-10