

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9511

LOCATION 1174-61

FOREMAN Kirk Kallio
Miller R, Tucker L, Guy J

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-8-10	Foss usx AA05-03	5	6N	63W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Cade 22
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 7:15am	TIME LEFT LOCATION 2:30pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 750	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 702.06	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 9/8	TUBING CONDITION		TUBING		
CASING DEPTH 748.59		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2416	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION good			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
			<input type="checkbox"/> SOEEZE CEMENT	FINAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> 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, safety meeting, psi test, circ 40 BBLS H2O and 100 lbs Dye, mix & Pump 317 SKS cement at 30% excess at 127 gals/hr until cement stops up, Release Plug, Displace 44.7 BBLS H2O, Bump Plug at 150 psi over L.P.D. psi, wait 5 min Release psi, wash up Rig Down

Arrived w/ 575 SKS cement 4 gallons KCL 1600 Dye

H2O test OK

71.6 BBLS slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 1:04pm circ 11:12pm cement 1:24pm
Drop Plug 1:46pm Displace 1:46pm

10 BBLS AT 5.5 BBLS/m 1:48pm 380psi
20 BBLS AT 5.5 BBLS/m 1:50pm 440psi
30 BBLS AT 5.5 BBLS/m 1:52pm 540psi
40 BBLS AT 5.5 BBLS/m 1:57pm 370psi
44.7 BBLS AT 1.0 BBLS/m 2:00pm 330psi
Bump Plug 2:00pm 480psi

used 2240 excess
used 300 SKS cement
67.2 BBLS slurry

LP dw/ 275 SKS cement 3 gallons KCL 600 Dye

BBLS Back 12

[Signature]

AUTHORIZATION TO PROCEED

TITLE

11-8-10

DATE