

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9026

LOCATION cr 122-89

FOREMAN Kirk Kaisho FF
mile 2, mile 5, Tucker

TREATMENT REPORT

DATE 6-14-10	WELL NAME DF Ranch 1161-8-12	SECTION 8	TWP 11N	RGE 61W	COUNTY weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR noble				
CITY		CONTRACTOR Fort S				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 1:00pm		TIME LEFT LOCATION 5:30pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 1065.1	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 1045.18	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 1062.18		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"/> SQUEEZE 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 2nd 10 w/ Dye mix & Pump Load of 30% Excess at 169 psid at 13.1 lbs, mix & Pump tail of cement at 1000 sks 1.27 psid at 15.2 lbs, until man stops us, release Plug Displace 66.5 BBLS H2O Pump Plug at 150 psi over Lift psi wait 5 min Release psi wash up Rig Down.

Arrived w/ 575 sks cement 4 gallons KOL 16oz Dye H2O test ok 90.4 BBLS slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS safety meeting 3:05pm circ 3:44pm cement 3:53pm
Drop Plug 4:23pm Displace 4:23pm

used 226 sks Lead 100 sks tail 30% Excess 67.8 BBLS slurry Lead 22.6 BBLS slurry tail

10 BBLS At 5.5 BBLS/m 4:26pm 450psi
20 BBLS At 5.5 BBLS/m 4:28pm 430psi
30 BBLS At 5.5 BBLS/m 4:30pm 460psi
40 BBLS At 5.5 BBLS/m 4:32pm 550psi
50 BBLS At 5.5 BBLS/m 4:34pm 650psi
60 BBLS At 3.5 BBLS/m 4:38pm 500psi
66.5 BBLS At 1.0 BBLS/m 4:40pm 390psi
Pump Plug 4:40pm 560psi
Lift w/ 249 sks cement 3 gallons KOL 6oz Dye BBLS Back 20

Amy Stapleton

AUTHORIZATION TO PROCEED

TITLE

6-14-10

DATE