

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10321

LOCATION 53-48

FOREMAN Kirk Kallhoff
mikes Jessy Richard

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-8-11	Barman COS-17D	5	4N	64W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon 143
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 11:30am	TIME LEFT LOCATION 2:30pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 715	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 667.7	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		

TREATMENT VIA			TYPE OF TREATMENT		TREATMENT RATE	
CASING DEPTH 709.5			<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
CASING WEIGHT 24.16	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
CASING CONDITION good			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	

PRESSURE SUMMARY					
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> MISC PUMP	
MINIMUM	psi			<input type="checkbox"/> OTHER	HYD HP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Big up, safety meeting, Pit test, Per Coman circ 40 bbls Kel H2O and Blue Dye, mix & Pump 303 sks cement at 30% Excess at 1127 yield at 15.2 lbs or until Coman stops us, more than 30% Excess Release Plug Disp 42.5 BBLs H2O, Pump Plug At 150 psi over Lift Psi, wait 5 min, wash up, Rig Down H2O test OK

Arrived w/ 750 sks cement 4 gal Kel Blue Dye 68.5 BBLs slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS safety meeting 12:21pm circ 12:49pm cement 12:58pm
Drop Plug 1:33pm Displace 1:33pm

10 BBLs At 5.0 BBLs/lm 1:36pm 200psi
20 BBLs At 5.0 BBLs/lm 1:38pm 200psi
30 BBLs At 5.0 BBLs/lm 1:40pm 300psi
40 BBLs At 2.5 BBLs/lm 1:43pm 330psi
42.5 BBLs At 1:48pm 250psi 1.0 BBLs/lm
Bump Plug 20

used 7% Excess
used 250 sks cement
56.5 BBLs slurry

Lift w/ 500 sks cement 3 gal Kel Blue Dye

BBLs Back 2

[Signature]
AUTHORIZATION TO PROCEED

Coman
TITLE

10-8-11

DATE