

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9734

LOCATION 392-61

FOREMAN Kirk Kallho  
Mike R LR Jessie

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-10-11	NCLP PL AACB-18D	8	6N	63W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon 143
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 10:00am	TIME LEFT LOCATION 5:00pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 590	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 534.42	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 584.7		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2415	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 30 sacks Kcl H2O, 2nd 10 gal Dye, mix & pump 250 sacks cement at 30% excess at 127 yield at 152 lbs or until cement stops, Release Plug, Displace 34.3 BBls H2O, Pump Plug at 150 psi over Lift psi, wait 5 min Release psi, wash up Rig Down

Arrived w/ 573 sacks cement 4 gal Kcl 16 gal Dye H2O test OK 54.3 BBls slurry

DESCRIPTION OF JOB EVENTS Safety meeting 2:45pm circ 3:37pm cement 3:45pm  
Drop Plug 4:09pm Displace 4:09pm

10 BBls At 5.5 BBls/m 4:12pm 340psi used 26% excess  
20 BBls At 5.5 BBls/m 4:14pm 410psi used 243 sacks cement  
30 BBls At 2.5 BBls/m 4:16pm 270psi 54.6 BBls slurry  
34.3 BBls At 1.0 BBls/m 4:20pm 250psi  
Bump Plug 4:20pm 420psi

Lift w/ 332 sacks cement 3 gal 1st Kcl 6 gal Dye BBls Back 18

AUTHORIZATION TO PROCEED TITLE DATE 4-10-11

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.