

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9836

LOCATION 74-53

FOREMAN Kirk Kallhoff
mike R L.R. Jessip

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-3-11	Johnson PCE 33-09D	33	7N	6Sw	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Spon 143
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 11:45pm	TIME LEFT LOCATION 7:15am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 828	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 777.2	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 822.7		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 241 lb	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		

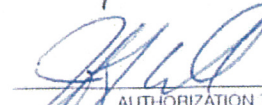
INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, psi test, circ 45 BBLs Kcl H2O, 2nd 10w/Dye, mix & pump 350 sls cement at 30% excess at 1.27 yd at 152 lbs or until cement stops, Release Plug Displace 49.5 BBLs H2O Bump Plug At 150 psi over Lift psi, wait 5 min Release psi, wash up Rig Down

Arrived w/ 575 sls cement 4 gal Kcl 16oz Dye H2O test OK
79.1 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 4:25am circ 5:19am cement 5:30am
Drop Plug 6:02am Displace 6:02am

10 BBLs At 4.0 BBLs/m 6:06am 70psi used 10% excess
20 BBLs At 3.0 BBLs/m 6:10am 140psi used 296 sls cement
30 BBLs At 2.0 BBLs/m 6:16am 240psi 66.9 BBLs slurry
40 BBLs At 2.0 BBLs/m 6:25am 270psi
49.5 BBLs At 1.0 BBLs/m 6:38am 330psi
Bump Plug 6:38am 450psi

LPHW/ 279 sls cement 3 gal Kcl 6oz Dye BBLs Back 8

 AUTHORIZATION TO PROCEED
COPMAN TITLE
5-3-11 DATE