

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9313

LOCATION cr13-32

FOREMAN Kirk Kullback
Miller R, Tucker L, Gray T

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-11-10	Kerbs T13-02	13	3S	68W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Card 24
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 12:30pm	TIME LEFT LOCATION 6:00pm

WELL DATA		PRESSURE LIMITATIONS	
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL
TOTAL DEPTH 696	TUBING DEPTH	SHOTS/FT	INSTRUCTED
PBD 645.03	TUBING WEIGHT	OPEN HOLE	
CASING SIZE 8 7/8	TUBING CONDITION	STRING	
CASING DEPTH 689		TUBING	

Casing Weight		TREATMENT VIA		TYPE OF TREATMENT		TREATMENT RATE	
24 lb		PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
Casing Condition				<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
good				<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
PRESSURE SUMMARY				<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
BREAKDOWN or CIRCULATING		psi	AVERAGE	psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
FINAL DISPLACEMENT		psi	ISIP	psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
ANNULUS		psi	5 MIN SIP	psi	<input type="checkbox"/> MISC PUMP		
MAXIMUM		psi	15 MIN SIP	psi	<input type="checkbox"/> OTHER		
MINIMUM		psi				HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, PBD test, circ 40 BBLS H2O, 2nd 10 w/ Dye, mix & Pump 295
SKS cement at 30% Excess at 1.27 yd at 15.2 lbs or until cement stops vs Release Plug Displace
41 BBLS H2O, Pump Plug at 150 psi over Lift Psi, wait 5 min Release Psi, wash up
Rig Down.

Arrived w/ 650 SKS cement 4 gallons Kel 16oz Dye 66.5 BBLS slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS safety meeting 4:45pm circ 4:53pm cement 5:02pm
Dye Plug 5:22pm Displace 5:22pm

10 BBLS at 5.5 BBLS/m 5:25pm 500psi
20 BBLS at 5.5 BBLS/m 5:27pm 600psi
30 BBLS at 5.5 BBLS/m 5:29pm 730psi
40 BBLS at 1.0 BBLS/m 5:30pm 300psi
41 BBLS at 1.0 BBLS/m 5:37pm 300psi
Bump Plug 5:37pm 450psi
used 22% Excess
used 279 SKS cement
62.4 BBLS slurry

1 Ft w/ 371 SKS cement 3 gallons Kel 6oz Dye BBLS Back 6

AUTHORIZATION TO PROCEED

TITLE

DATE

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