

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10326

LOCATION 53-48

FOREMAN Kirk Kallhoff  
Jessy Jeff

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-20-11	Burman (OS-23D)	5	4N	64W	weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Saxon 143</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>12:00pm</u>	TIME LEFT LOCATION <u>3:45pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>712</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>663.88</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>708.53</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			<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 Pig up, safety meeting, psi test, Per coman Cier 40361s KLL H2O 2nd 10m/Dye, mix & Pump  
301 sks cement at 30% Excess at 1.27 yield at 152 lbs or until coman stops us, no more than 30% Excess  
Release Plug, Disp 42.2 BBLs H2O, Bump Plug At 150 Psi over Lift Psi, wait 5min Release Psi, wash up  
Pig Down H2O test OK  
Arrived w/ 650 sks cement 4 gall KCL 16oz Dye 68 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS safety meeting 1:53pm cier 2:17pm cement 2:25pm  
Drop Plug 2:44pm Displace 2:44pm

<u>10 BBLs At 5.5 BBLs/m 2:47pm 220psi</u>	<u>used 10% Excess</u>
<u>20 BBLs At 4.0 BBLs/m 2:49pm 170psi</u>	<u>used 2.55 sks cement</u>
<u>30 BBLs At 4.0 BBLs/m 2:52pm 420psi</u>	<u>57.6 BBLs slurry</u>
<u>40 BBLs At 2.0 BBLs/m 3:07pm 320psi</u>	
<u>42.2 BBLs At 1.0 BBLs/m 3:09pm 340psi</u>	
<u>Bump Plug NO, Float held</u>	

Lft w/ 395 sks cement 3 gall KCL 6oz Dye BBLs Back 2

[Signature] 10-20-11  
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.