

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10275  
 LOCATION WCR 57 & 72  
 FOREMAN Grant Lowe

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-24-11	Rogers USX A03-09D	3	6N	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>6:00AM</u>	TIME LEFT LOCATION <u>11:00AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>845</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
PBTD <u>793.32</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>839</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lbs</u>	PACKER DEPTH		<input 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 Rig up, Safety meeting, per Co Man. Press test fr 500psi. Circulate 50 bbls H<sub>2</sub>O/KCL with dye x's 16oz 2<sup>nd</sup> 5bbls Cement @ 1.52 density @ 1.27 yield until dye is seen, pump tub only do not exceed 40% excess without talking to Co man. Drop plug, displace 50.5 bbls H<sub>2</sub>O, Bump plug 150psi over lift press, wait 5min, release press, Washup Rig down R. H<sub>2</sub>O tested good.  
Arrived on location with 700 sks, 32oz dye, 15gts KCL

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS Safety meeting @ 9:00AM, Circulate @ 9:23AM, Cement @ 9:45 to 10:01 AM  
Drop plug @ 10:05AM, Displace @ 10:06AM  

<u>10 bbls @ 250psi @ 10:07AM @ 7.0bbls/min</u>	<u>0% Excess</u>
<u>20 bbls @ 300psi @ 10:09AM @ 7.0bbl/min</u>	<u>275 Sacks</u>
<u>30 bbls @ 380psi @ 10:10AM @ 7.0bbls/min</u>	<u>62.2 bbls slurry</u>
<u>40 bbls @ 490psi @ 10:12AM @ 7.0bbls/min</u>	<u>2 bbls to pit</u>
<u>50 bbls @ 350psi @ 10:15AM @ 1.0bbl/min</u>	
<u>50.5 bbls @ 350psi @ 10:16AM @ 1.0bbl/min</u>	
<u>Bump plug @ 500psi @ 10:17AM</u>	
<u>Flood collar held</u>	

Left location with 475 sks, 16oz dye, 10gts KCL

[Signature] AUTHORIZATION TO PROCEED      Co Man TITLE      8-24-11 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