

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11257  
LOCATION Wells Ranch  
FOREMAN Mike Rosner

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-21-12	<u>Wells Ranch A-12 - 641-YTH</u>	<u>12</u>	<u>6N</u>	<u>63</u>	<u>Weld</u>	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H.P. 315</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>2:30</u>	TIME LEFT LOCATION <u>7:00 PM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>710</u>	TUBING DEPTH	SHOTS/FT			
<u>PATO 660.3'</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>9 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>705</u>		TREATMENT VIA			
CASING WEIGHT <u>36 lbs</u>	PACKER DEPTH				
CASING CONDITION <u>Good</u>					

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SOFEE CEMENT		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
MINIMUM psi			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP			
			<input type="checkbox"/> OTHER			
						HYD HP = RATE X PRESSURE X 40 S

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meet, PSI Test 1000, Run 50 BBb at spacer, 2nd 10 Dye  
mix + Pump 383 sks Cement (30% Excess) 1.27 yrd at 15-2 lbs or until Cement on steps is  
Release Plug Displace 51 BBb H2O Pump Plug 150 PSI over 1st wait 15 min Release PSI  
Press Test 1000 for 15 min Release PSI Wash up Rig Down  
Arrived with 750 sks Cement 10 qts HCL 16.02 Dye

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meet 4:30 PM Spacer 4:50 PM Cement Start 5:05 PM  
Cement Stop 5:24 PM Drop Plug 5:29 PM Displace 5:31 PM  
12 BBb at 5-0 BBb/m at 5:32 PM 340 PSI  
20 BBb at 5-5 BBb/m 5:39 PM 370 PSI used 28 % Excess  
30 BBb at 5-5 BBb/m 5:41 PM 420 PSI used 378 sks Cement  
40 BBb at 5-5 BBb/m 5:43 PM 460 PSI Slurry 8:54 PM  
50 BBb at 4-5 BBb/m 5:45 PM 500 PSI (Press Test 1000 15 min)  
51 BBb at 1-5 BBb/m 5:50 PM 340 PSI  
Pump Plug 1-5 BBb/m 5:50 PM 520 PSI  
Flow Cell held BBb Back to P.T

Left with 372 sks Cement 5 qts HCL 16.02 Dye

[Signature]

CO MAN

8-21-12

AUTHORIZATION TO PROCEED  
DAVE NIELSEN

TITLE

DATE

Customers hereby acknowledge and specifically agree to the terms and conditions on this work order, including without limitation, the provisions on the reverse side thereof which include the release and indemnity