

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10725  
 LOCATION Wells Ranch  
 FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-21-12	Wells Ranch AA 12-63-11N	12	6N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&amp;P Rig 315</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>10:00 pm.</u>	TIME LEFT LOCATION <u>2:15 am.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
<u>13 3/4</u>					
TOTAL DEPTH <u>707</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULLUS LONG		
<u>PBTD 65268</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>702</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 lb.</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, Psi Check to 500 Psi, Circ. 50 bbls H<sub>2</sub>O with KCL + Dye x 16 in 2<sup>nd</sup> 10 bbls, Mix pump at 15.2 lbs. 1.27 yield tell Company Man goes Dye Then pump top only, Drop plug Displace 50.4 bbls. H<sub>2</sub>O bump plug at 150 Psi over Lift Psi, wait 5 min Then bleed off Psi, Wash up, Rig down, We have 600 SKS, 17 qts KCL, 32 oz Dye,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 11:53 pm, Circ 12:19 am, Cement 12:28 am to 12:45 am  
Drop plug 12:48 am, Displace 12:49 am  
10 bbls. 410 Psi 12:53 am 6.0 bbls/m  
20 bbls 480 Psi 12:55 am 6.0 bbls/m  
30 bbls 550 Psi 12:57 am 6.0 bbls/m  
40 bbls 600 Psi 12:58 am 6.0 bbls/m  
50.4 bbls 330 Psi 1:03 am 1.0 bbls/m  
Bump Plug 530 Psi at 1:03 am  
Casing Psi Check 1000 Psi 109 am to 124 am  
USED 20% Excess = 352 SKS, 79.6 bbls Slurry  
Left with 248 SKS, 12 qts KCL, 16 oz DYE  
6 bbls Slurry TO THE PIT

(Paul W. Dein)  
 AUTHORIZATION TO PROCEED

Noble WSS  
 TITLE

9-21-12  
 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