

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10287  
LOCATION Wells Ranch  
FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-6-12	Wells Ranch AA24-6211A2	24	6N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&amp;P Rig 343</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>8:00 AM</u>	TIME LEFT LOCATION <u>12:45 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>631</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 583.35</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>626</u>		TREATMENT VIA			
CASING WEIGHT <u>36 lb.</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"/> SQUEEZE 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			

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, per Company Man, B. check to 300 Psi, Circ 50 bbls H<sub>2</sub>O with KCL + Dye x 16 in 2<sup>nd</sup> 10 bbls, Mix + pump till good Dye is seen Then pump tub only at 15.2 lbs. 1.27 yield, Drop plug, Displace 45 bbls H<sub>2</sub>O, Bump plug at 150 Psi, Lift Psi, Wait 5 min then bleed off Psi, Washup, Rig down, H<sub>2</sub>O tested good, We have 600 SKs, 32 oz Dye, 12 Qts KCL,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 10:10 am, Circ 10.4 bbls, Cement 10:36 am to 11:16 am

Drop Plug 11:21 am, Displace 11:22 am  
10 bbls 350 Psi 11:26 am 6.0 bbls/min  
20 bbls 420 Psi 11:28 am 6.0 bbls/min  
30 bbls 480 Psi 11:30 am 6.0 bbls/min  
40 bbls 400 Psi 11:32 am 4.5 bbls/min  
45 bbls 260 Psi 11:35 am 1.0 bbls/min  
Bump Plug 580 Psi at 11:35 am  
USED 50% Excess 392 SKs, 88.66 bbls Slurry  
Left with 208 SKs, 16 oz Dye, 7 Qts KCL

14 bbls Slurry To The PiT

[Signature]  
AUTHORIZATION TO PROCEED

WSS  
TITLE

10-6-12  
DATE

Customer 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