

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 11255  
LOCATION Wells Ranch  
FOREMAN Mike Rosale

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-15-12	Wells Ranch AA-12 W-1A	12	6N	63	Weld	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	H+P 315
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	12:15 AM	TIME LEFT LOCATION	5:15

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	13 3/4	TUBING SIZE		THEORETICAL	INSTRUCTED
TOTAL DEPTH	674	TUBING DEPTH		SURFACE PIPE ANNULUS LONG	
PBTD 623.83		TUBING WEIGHT		STRING	
CASING SIZE	9 5/8	TUBING CONDITION		TUBING	
CASING DEPTH	648.81	TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT	36.185	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION	Good			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
				<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM

PRESSURE SUMMARY				
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	<input type="checkbox"/> ACID BREAKDOWN
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> ACID STIMULATION
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> ACID SPOTTING
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> MISC PUMP
MINIMUM	psi			<input type="checkbox"/> OTHER
				HYD HP = RATE X PRESSURE X 40 R

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSI TEST 1000, 40 BBls of Spacer 2" 10 Dye  
Mix + Pump 363 sls Cement (30% EXCESS) 127 gals at 15-2 or ent. Company men  
STOPES. US Release Plug Displace 48.2 BBls New Bump Plug 150 Over L.H.

Arrived with 950 sls Cement 1500 KLC 1602 Dye

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 2:30 AM SPACER 2:52 AM Cement start 3:02 AM  
Cement stop 3:21 AM Drop Plug 3:24 AM Displace 3:24 AM

10 BBls at 5:0 BBls/m 3:27 AM 240 PSI Used 32 % Excess  
20 BBls at 5:0 BBls/m 3:29 AM 340 PSI Used 371 sls Cement  
30 BBls at 5:0 BBls/m 3:31 AM 360 PSI Slurry 839  
40 BBls at 5:0 BBls/m 3:33 AM 450 PSI Flow Collar held  
48.2 BBls at 3:1 BBls/m 3:37 AM 280 PSI  
Bump Plug 1" BBls/m 3:37 AM 490 PSI  
Press Test 3:49 AM 1.5 min 4104 AM BBls Back to RT

Left with 1 sls Cement 14379 QTS KLC 0 Dye

*[Signature]*  
AUTHORIZATION TO PROCEED

U.S.S.  
TITLE

8-15-12  
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 hereof which include the release and indemnity