

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 # 10345
LOCATION WCR 36 +15
FOREMAN Mike Rosalez
L.R. Marks.

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-25-11	Berry DOB -28-D	8	3N	67W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>5:00 PM</u>	TIME LEFT LOCATION <u>7:30</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>544</u>	TUBING DEPTH	SHOTS/FT			
<u>PBT 495.1</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>540.5</u>		TREATMENT VIA			
CASING WEIGHT <u>24 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"/> 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			
					HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSE Test, Circulate 30 BBLs H₂O / KCL mix 2nd to Dye
mix + pump 230 sks Cement (30% Excess) yield 1.27 qt 15.2 LBS or until Compensator stoppes
Release Plug Displace 31.5 BBLs H₂O Bump Plug at 150 PSE air lift wait 5min Release
PSE, Wash up Rig Down H₂O Test

Arrive with 650 sks Cement 4 gal KCL 16 oz Dye 52 Slurry
JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 5:53 Circulate 6:17 PM Cement 6:24 PM
DROP Plug 6:42 PM Displace 6:43 PM

10 BBLs at 5.5 BBLs/min 6:45 PM 300 PSE used 16 % Excess
20 BBLs at 5.5 BBLs/min 6:47 PM 400 PSE used 207 sks Cement
30 BBLs at 3.5 BBLs/min 6:51 PM 320 PSE 46.8 Slurry
31.5 BBLs at 1.5 BBLs/min 6:52 PM 320 PSE
Bump Plug at 6:52 PM 530 PSE

BBLs Back (9)

Left with 443 sks Cement 3 gal KCL 16 oz Dye

[Signature] AUTHORIZATION TO PROCEED
CO-MAN TITLE
9-25-11 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.