

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 # 10347

LOCATION WLP 48 +53

FOREMAN Mike Rosalce
L.R. Marks

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-29-11	Burmen C-04 33-D	5	4W	64W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon 143
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 5:10 AM	TIME LEFT LOCATION 8:10 AM

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 710	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
PBTD 658.52	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE 8 5/8	TUBING CONDITION			TUBING	

PRESSURE SUMMARY			TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		TYPE OF TREATMENT	
FINAL DISPLACEMENT psi	ISIP psi		1 SURFACE PIPE	BREAKDOWN BPM
ANNULUS psi	5 MIN SIP psi		2 PRODUCTION CASING	INITIAL BPM
MAXIMUM psi	15 MIN SIP psi		3 SQUEEZE CEMENT	FINAL BPM
MINIMUM psi			4 ACID BREAKDOWN	MINIMUM BPM
			5 ACID STIMULATION	MAXIMUM BPM
			6 ACID SPOTTING	AVERAGE BPM
			7 MISC PUMP	
			8 OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSI Test, Circulate 40 BBLs H₂O/KCL mix 2nd Ten Dye mix + Pump 300 sks Cement (30% Excess) yield 1.27 at 15-2/8" or until Pumping man stoppa use Release Plug Displace 41.9 BBLs H₂O Bump Plug at 150 PSI over lift. wait 5 min Release PSI Wash up Rig Down H₂O Test

Arrive with 650 sks Cement 3gal KCL 1602 Dye Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 6:02 AM Circulate 6:23 AM Cement 6:32 AM
DROP Plug 7:01 AM Displace 7:03 AM

10 BBLs at 5-7 BBLs/m 7:05 AM 370 PSI Used 23 % EXCESS
20 BBLs at 5-7 BBLs/m 7:07 AM 350 PSI Used 286 sks Cement
30 BBLs at 5-0 BBLs/m 7:10 AM 350 PSI Slurry 64.6
40 BBLs at 1-5 BBLs/m 7:12 AM 270 PSI
41.9 BBLs at 1-0 BBLs/m 7:14 AM 300 PSI
Bump Plug 7:14 600 PSI

BBLs Back 11

Left with 364 sks Cement 2gal KCL 8 Dye

AUTHORIZATION TO PROCEED

TITLE

9-29-11

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