

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 # 9824
LOCATION WCR 55+36
FOREMAN _____

TREATMENT REPORT

DATE <u>6-2-11</u>	WELL NAME <u>Gutterson D03-330</u>	SECTION <u>4</u>	TWP <u>3N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
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>7:18pm</u>		TIME LEFT LOCATION <u>10:15pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>543</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 487-6</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>534</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>21#</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM

PRESSURE SUMMARY					
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> MISC PUMP		
MINIMUM psi			<input type="checkbox"/> OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, psi test, Circ 30 bbls of H₂O w KCL, 2nd 10 w 10oz Dye, mix + pump 231 sks of Cement @ 30% Excess @ 15.2 lb @ 1.27 yield, or until stopped By Co man, Drop Plug Dis 31 bbls of H₂O, Bump Plug @ 150 psi over lift psi wait 5 min Release psi washup Rig Down

Arrival w 600 sks of Cement 4 gal KCL, 32 oz Dye 52-2 bbls of Slurry

JOB SUMMARY		
DESCRIPTION OF JOB EVENTS		
<u>Safety meeting @ 8:32pm</u>	<u>Circ 9:02pm</u>	<u>Cement 9:08pm</u>
<u>Drop Plug 9:22pm</u>	<u>Displace 9:22pm</u>	

10 bbls	6.0/m	280psi	9:25pm	Used 222 sks of Cement 25% Excess 50.2 bbls of Slurry
20 bbls	6.0/m	400psi	9:27pm	
30 bbls	1.0/m	250psi	9:31pm	
31 bbls	1.0/m	250psi	9:32pm	
Bump Plug		540psi	9:32pm	

Left w 378 sks of Cement 3 gal 10 KCL 22 oz Dye 5 bbls to pit

<u>AKC</u>	<u>CO-MAN</u>	<u>6-2-11</u>
AUTHORIZATION TO PROCEED	TITLE	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.