

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 110612
LOCATION 6826.9
FOREMAN Tucker, Lihmick
Kirk, R. B. R.

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7/16/12	<u>6826.9</u>	<u>6</u>	<u>62N</u>	<u>62W</u>	<u>Weld</u>	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&F 247</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>7:00 pm</u>	TIME LEFT LOCATION <u>12:15 am 7/17/12</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>13 3/4</u>				
TOTAL DEPTH <u>702</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>9 5/8</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>6 5/8</u>	TUBING CONDITION	TREATMENT VIA	TUBING	
CASING DEPTH <u>697</u>				
CASING WEIGHT <u>96 lb</u>	PACKER DEPTH			
CASING CONDITION <u>Good</u>				

PRESSURE SUMMARY			TREATMENT RATE	
BREAKDOWN or CIRCULATING	AVERAGE	psi	TYPE OF TREATMENT	BREAKDOWN BPM
FINAL DISPLACEMENT	ISIP	psi	<input type="checkbox"/> SURFACE PIPE	INITIAL BPM
ANNULUS	5 MIN SIP	psi	<input type="checkbox"/> PRODUCTION CASING	FINAL BPM
MAXIMUM	15 MIN SIP	psi	<input type="checkbox"/> SOOZE CEMENT	MINIMUM BPM
MINIMUM			<input type="checkbox"/> ACID BREAKDOWN	MAXIMUM BPM
			<input type="checkbox"/> ACID STIMULATION	AVERAGE BPM
			<input type="checkbox"/> ACID SPOTTING	
			<input type="checkbox"/> MISC PUMP	
			<input type="checkbox"/> OTHER	

INSTRUCTIONS PRIOR TO JOB Rig up Saffrey machine PSI test Per common cure 50 bbls, KCL H2O 2nd 10 w/dye
mix & pump 375 sls cement at 30% excess w/ yield 1.27 at 15.2 hr or until common stops w/ Release
Plug disp 50.7 bbls New bump Plug 150 psi over 11.5 psi wait 5 min release psi Wash up rig down
this test at
754 bbls slurry
forward w/ 750 sls cement 4 gal KCL 16 oz dye

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Saffrey machine 10:27 pm Close 10:45 Cement 11:54
Stop Cement 11:14 Drop Plug 11:19 Disp 11:19

10 bbls at	11:23 pm	230 psi	used 22 % excess used <u>357</u> sls cement <u>50.7</u> bbls slurry
20 bbls at	11:25	250	
30 bbls at	11:26	300	
40 bbls at	11:28	350	
50 bbls at	11:31	300	
50.7 bbls at	11:33	500	
Bump Plug at	11:33 pm	500 psi	

1 gal w/ 393 sls cement 2% gal KCL BKLS Back 5
7/16/12
AUTHORIZATION TO PROCEED _____ 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