

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11284
LOCATION 42843
FOREMAN Tucker (Whmkt)

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8/24/12	Ulrich G21-280	21	44	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 226</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>7:00 am</u>	TIME LEFT LOCATION <u>12:00 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
12 1/4					
TOTAL DEPTH <u>705</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>8070 650</u>			STRING		
CASING SIZE <u>8 5/8</u>	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING DEPTH <u>694</u>	TUBING CONDITION				
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		BREAKDOWN BPM	
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> SURFACE PIPE	INITIAL BPM	
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> PRODUCTION CASING	FINAL BPM	
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> SQUEEZE CEMENT	MINIMUM BPM	
MINIMUM	psi			<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 Plug up Safety meeting PSI test Per Co-men Circ 40 bbls KCL H2O and 10% dye
mixture pump 200 sks cement at 30% excess w/ yield 1.27 at 15.2 lbs or until cement stops is Release
plug stop 415 bbls H2O Bump Plug 150 psi over 1 ft psi wait 5 min release psi Wash up
rig down H2O test at 67.4 bbls slurry
Arrived w/ 680 sks 4 gal KCL 16 oz dye

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 9:30 am Circ 10:40 cement 10:49
Stop cement 11:02 Drop Plug 11:08 rig 11:08

10 bbls at 11:11 am	150 psi	used 30% excess
20 bbls at 11:12	250	used 300 sks cement
30 bbls at 11:17	300	67.8 bbls slurry
40 bbls at 11:19	280	
41.5 bbls at 11:21	480	
Bump Plug at 11:21 am	480 psi	

left w/ 5 sks 3 gal KCL BOBS Back 11

Lloyd Russell 8/24/12
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.