

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11289
LOCATION 40557
FOREMAN Tucker (blank)

TREATMENT REPORT

DATE <u>9/2/12</u>	WELL NAME <u>Bearth State cc31-69H</u>	SECTION <u>36</u>	TWP <u>4N</u>	RGE <u>66W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Mobile</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign P-1</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>5:45 pm</u>		TIME LEFT LOCATION <u>12:01 on 9/3/12</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>673</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PPD <u>618</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>663</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>21 lb</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>Good</u>			<input type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		
PRESSURE SUMMARY			BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM HYD HP = RATE X PRESSURE X 40.8		
BREAKDOWN or CIRCULATING psi	AVERAGE psi				
FINAL DISPLACEMENT psi	ISIP psi				
ANNULUS psi	5 MIN SIP psi				
MAXIMUM psi	15 MIN SIP psi				
MINIMUM psi					

INSTRUCTIONS PRIOR TO JOB Rig up safety meeting PST ts1 per co-men Cave bbls fill the 2n 101w/
dye min a pump sk cement at 30% excess w/ yield 127' at 15.2 lbs or until co-men stops or
Release plug dsg bbls the pump plug 100 ps' over 101 psi and 5 min release plugs' wash up
rig down the test of
Arrived w/ 750 ds 4 gal KC 1602 dye 82.1 bbls slurry

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Safety meeting 9:53pm Cave 10:28 Cement 10:54pm
stop cement 10:53 Drop Plug 10:57 Dsg 10:57

10 bbls at	11:00 pm	310 psi	Used 15% excess
20 bbls at	11:01	390	Used 321 sks cement
30 bbls at	11:03	450	22.6 bbls slurry
40 bbls at	11:09	390	
47.7 bbls at	11:14	380	
Bump plug at	11:14 pm	380 psi	

10.1 w/ 429 sks 2 3/4 gal KC PBLS Back 12
John M. Taylor Co Man 9/2/12
 AUTHORIZATION TO PROCEED TITLE DATE

Customer 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