

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9776  
LOCATION WCR 50459  
FOREMAN Grant Lowe

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-9-11	Marley C 01-30D	1	4N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign #128</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:30am</u>	TIME LEFT LOCATION <u>12:00pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>584</u>	TUBING DEPTH	SHOTS/FT			
<u>PBTD - 534</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 5/8</u>	TUBING CONDITION				

CASING DEPTH <u>577.5</u>	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>24/lbs</u>	PACKER DEPTH	<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION <u>Good</u>		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
		<input type="checkbox"/> SQUEEZE CEMENT	FINAL 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 per Co. man, Press test 500psi. Circulate 30 bbls H<sub>2</sub>O/KCL dye x's 16oz in 2<sup>nd</sup> 10 bbls. Mix and pump cement @ 15.2 lbs @ 1.27 yield until dye is seen, pump tub only. Drop plug, displace 34 bbls, bump plug @ 150psi over lift press. wait 5min. Wash up, Rig down. H<sub>2</sub>O tested Good  
Arrived with 600 sks, 26oz dye, 12 qts KCL

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting @ 9:30am. Circulate @ 9:43am. Cement @ 9:49am. Drop plug @ 10:19am. Displace 34 bbls. bump Top job - circulate @ 11:05am 2.5 bbls, cement @ 11:07  
10 bbls - 380psi @ 10:21am @ 7.0 bbls/min  
20 bbls - 400psi @ 10:23am @ 7.0 bbls/min  
30 bbls - 300psi @ 10:25am @ 6.0 bbls/min  
34 bbls - 250psi @ 10:27am @ 1.0 bbls/min  
Bump plug @ 450psi @ 10:27am. Float collar held.  
Main portion - used 414 sks - 93.64 bbls slurry, 118.5% excess  
Top job - used 36 sks, 8.14 bbls slurry  
Total job = 450 sks, 101.78 bbls slurry = 137.5% excess  
left with - 150 sks - 10oz dye, 9 qts KCL  
0 bbls slurry to pit

4-9-11

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.