

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10363

LOCATION WCR 50+53

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-8-11	CONNELL C 04 310	5	4N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN Rig 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:45 pm</u>	TIME LEFT LOCATION <u>4:00 am.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>725</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 673.97</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

TREATMENT VIA			TYPE OF TREATMENT		TREATMENT RATE	
CASING DEPTH <u>717.39</u>			<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
CASING CONDITION <u>Good</u>			<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 Company MAN, Circ 40 bbls H<sub>2</sub>O with KCL + Dye x 16 in 2.5" 10 bbls, Mix + pump Tell Dye is seen then pump tub only at 15.2 lbs 1.27 yield, Don't go over 50% Excess with clot Talking to Company MAN, Drop plug, Displace 42.9 bbls H<sub>2</sub>O, Bump plug at 150 Psi over Lift Psi, Wash up, Rig down, H<sub>2</sub>O Tested, good, We have 700 sks, 320z Dye, 22 qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 1:38 am, Circ 2:33 am, Cement 2:41 am to 2:59 am

Drop Plug 3:00 am, Displace 3:01 am  
10 bbls 270 Psi 3:03 am 70 bbls/m  
20 bbls 390 Psi 3:05 am 70 bbls/m  
30 bbls 480 Psi 3:06 am 70 bbls/m  
40 bbls 400 Psi 3:09 am 45 bbls/m  
42.9 bbls 300 Psi 3:11 am 10 bbls/m  
Bump Plug 530 Psi at 3:11 am, Float Collar Held  
USED 35% Excess = 319 sks, 72.15 bbls Slurry  
Avg Cement 4.0 bbls/m  
Left with 381 sks, 16 oz Dye, 18 qts KCL  
12 bbls Slurry to the Pit

*[Signature]*

AUTHORIZATION TO PROCEED

TITLE

9-8-11

DATE