

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9323  
LOCATION WCR 57240  
FOREMAN Daniel Saltzman

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-28-10	Aloysius C34-24	34	4N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSGN 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:30 AM</u>	TIME LEFT LOCATION <u>2:45 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>653.10</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 604.93</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 3/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>842.93</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>29#</u>	PACKER DEPTH		<input checked="" 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
			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER		HYD IHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY		
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, Psi test to 500 psi, Circ 30 bbls of H<sub>2</sub>O w/ KCL 2nd 10 w/ 10 oz Dye mix & pump 276 Skts of Cement @ 30% Excess @ 15.2' @ 1.27 yield or act. Stopped by Co man, Drop Plug Displace 38.5 bbls of H<sub>2</sub>O w/ Pump Plug @ 150 psi over 160 psi wait 5 min Release Psi, wash up Rig Down H<sub>2</sub>O test OK Arrvd w/ 550 Skts of Cement 591 KCL 3202 Dye 624 bbls of Slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 1:11 AM Circ 1:24 AM Cement 1:31 AM Drop Plug 1:50 AM Displace 1:50 AM

10 bbls	5.0/m	250 psi	1:58 AM	used 276 Skts of cement
20 bbls	5.0/m	340 psi	2:00 AM	30% Excess
30 bbls	3.5/m	380 psi	2:02 AM	624 bbls of Slurry
38.5 bbls	1.0/m	280 psi	2:07 AM	
Bump Plug		450 psi	2:07 AM	

Left w/ 274 Skts of Cement 591 KCL 2202 Dye 7 bbls of Slurry Back

[Signature] AUTHORIZATION TO PROCEED  
Ceman TITLE  
9-28-10 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