

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8815

LOCATION WCR 192 Hwy 66

FOREMAN Daniel Saltzman

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-16-10	Salazar P-20-33 D	20	3N	67W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSOIN 136</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>8:45 AM</u>	TIME LEFT LOCATION <u>12:35 PM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>8772.90</u>	TUBING DEPTH	SHOTS/FT			
<u>1BTD 825.72</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>868.90</u>		TREATMENT VIA			
CASING WEIGHT <u>251#</u>	PACKER DEPTH				
CASING CONDITION <u>good</u>					

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
MINIMUM psi			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP			
			<input type="checkbox"/> OTHER			
						HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Reg up, Safety meeting, Psi test to 500 psi, Circ 50 bbls of H<sub>2</sub>O w/ 2nd 10W 10oz Dye, m. x + pump 371 sks of Cement @ 30% Excess @ 15.2' @ 1.27 yield or until stopped By Co man Drop Plug Displace 52.5 bbls of H<sub>2</sub>O, Bump Plug @ 150 psi over lift psi, wait 5 min, Release Psi, Wash up Reg Down H<sub>2</sub>O test ok Arrived with 575 sks of Cement 2 gal Kcl 32oz Dye 83.8 bbls of Slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 10:30 AM Circ 11:00 AM Cement 11:15 AM

Drop Plug 11:40 AM Displace 11:40 AM

10 bbls 5.0/m 140 psi 11:44 AM  
20 bbls 5.0/m 150 psi 11:46 AM  
30 bbls 5.0/m 250 psi 11:48 AM  
40 bbls 5.0/m 370 psi 11:51 AM  
50 bbls 2.5/m 500 psi 11:54 AM  
52.5 bbls 1.0/m 560 psi 12:00 AM  
Bump Plug 700 psi 12:00 AM

used 0.9% Excess  
271 sks of Cement  
60.6 bbls of Slurry

Left with 304 pks 3 gal Kcl 22oz Dye 2 bbls of Slurry to Pit

Michael  
AUTHORIZATION TO PROCEED

Consultant  
TITLE

6-16-10  
DATE