

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8318

LOCATION Gutterson Ranch

FOREMAN Daniel Saltman

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-9-09	Gutterson D 03-27	34	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>10:15</u>	TIME LEFT LOCATION <u>4:20</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>700</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
POTD <u>647.10</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>690.40</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb</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 HHP = 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 Reg up Safety meeting Crier 40 bbls of H<sub>2</sub>O and 10 lb Dye (Triple), mix & pump 269  
Sacks of Cement or until stopped by Company Drop Plug Displace 412 bbls of H<sub>2</sub>O Pump Plug @ 150 cps  
over 1 ft psi wait 5 min Release psi wash up R. & Down  
30% Excess @ 14.5" @ 1.41 yield

Arrived with 6.35 sks of Cement 2 gal KCL 8oz Dye 66.8 bbls of Slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 2:39 AM Crier 2:52 AM Cement 3:03 AM  
Drop Plug 3:35 AM Displace 3:35 AM

10 4.4	280 psi	3:37 AM	used 370 sks of cement 80% Excess 92.6 bbls of Slurry
20 4.4	330 psi	3:41 AM	
30 4.4	370 psi	3:44 AM	
40 1.0	240 psi	3:48 AM	
41.2 1.0	240 psi	3:49 AM	
Drop Plug	490 psi	3:49 AM	

Left with 265 sks of Cement 1 gal KCL 5oz Dye  
20 bbls of Slurry to pit

AUTHORIZATION TO PROCEED

TITLE

DATE

5-9-09