

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10619

LOCATION WCR 48753

FOREMAN Mike Rozak  
LIR MARK S

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-10-11	Northrup C-08 734W	8	4N	6E	Weld	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	Ensign 132
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	4:45	TIME LEFT LOCATION	2:30

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH	690	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
PBTD	637.96	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE	9 5/8	TUBING CONDITION	TREATMENT VIA	TUBING	
CASING DEPTH	682.70				
CASING WEIGHT	36.1BS	PACKER DEPTH			
CASING CONDITION	Good				

CASING DEPTH	682.70		TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT	36 LBS	PACKER DEPTH			<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION	Good				<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
PRESSURE SUMMARY					<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
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, Sattymecting, PSE Test, Circulate 50 BBls H<sub>2</sub>O/KCL mix 2nd 10 Dye. mix + Pump 372 sks Cement (30% Excess) yield 16.27 at 15.2 BPS or until Company men stoppes us, Release Plug + Displace 49.3 BBls H<sub>2</sub>O Pump Plug 200 PSI over 1st wait 5 min Release PSE Wash up Rig Down H<sub>2</sub>O TEST COOK  
Arrived with 58 sks Cement 10 BTLs KCL 16 oz Dye Slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: Sattymecting 12:00 AM Circulate 12:44 AM Cement 12:57 AM  
DROP Plug 1:27 AM Displace 1:27 AM

10 BBls at 5-7 BBls/m	1:31 AM	310 PSI	used 24	0% EXCESS
20 BBls at 5-7 BBls/m	1:33 AM	370 PSI	used 356 sks Cement	
30 BBls at 5-7 BBls/m	1:35 AM	440 PSI	80	Slurry
40 BBls at 3-5 BBls/m	1:37 AM	370 PSI		
49.3 BBls at 1-5 BBls/m	1:41 AM	300 PSI		
Pump Plug 1-0 BBls/m	1:41 AM	520 PSI		
Flow Celler held				BBls Back

Left with 29 sks Cement 5 gts KCL & Dye

13

AUTHORIZATION TO PROCEED

TITLE

DATE