

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10556

LOCATION well 49446

FOREMAN Pat Nowak

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
Nov-1-11	NOI C18-32D	14	4N	64W	well	

CHARGE TO NOBLE	OWNER
MAILING ADDRESS	OPERATOR NOBLE
CITY	CONTRACTOR Ensign 136
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 8:00	TIME LEFT LOCATION 12:15

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 685	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 633.95	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 677.86		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 24.00	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION 600D			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
			<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 Rig up safety meeting per company man! Circ 40 BBLs H2O with HCL + Dye X100 in 2 to 3 BBLs, mix till dye is seen then pump tub only at 15.12 LBS 1.27 Y/L/D 1200 + 60000 30% excess with out talking to company man Drop plug Displace 4013 BBLs H2O Bump plug 150 PSI over lift pressure, wait 5 minutes then bleed off PSI WASH UP Rig Down H2O tested 600D well 4000 SKS, 32 1/2 Dye 200TS/HCL

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 10:25, Circ 10:55 cement 11:01 to 11:20

Drop plug 11:20 Displace 11:23

10 250 PSI 11:24 7 BBLs/m

20 400 11:25 7 BBLs/m

30 450 11:26 7 BBLs/m

H0.3 300 11:31 1 BBL/m

Bump plug 450 PSI 11:31 float collar HCL

used 10% excess = 245 SKS 55.41 BBLs slurry

avg cement 3.07 BBLs per minute

Left with 355 SKS 2202 Dye 18 QTS of HCL

12 BBLs slurry to pit

*[Signature]*  
AUTHORIZATION TO PROCEED

WSS  
TITLE

Nov-01-11

DATE