

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10580

LOCATION 53-48

FOREMAN Kirk Kallhoff  
Jassy, Rob

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-29-11	Burman CO5-24D	5	4N	64W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon 143
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 9:00pm	TIME LEFT LOCATION 6:00am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 710	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 648.22	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		

CASING DEPTH 693.46	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT 24 lb	PACKER DEPTH	[ ] SURFACE PIPE		BREAKDOWN BPM	
CASING CONDITION good		[ ] PRODUCTION CASING		INITIAL BPM	
		[ ] SQUEEZE CEMENT		FINAL BPM	

PRESSURE SUMMARY					
BREAKDOWN or CIRCULATING psi	AVERAGE psi		[ ] ACID BREAKDOWN	MINIMUM BPM	
FINAL DISPLACEMENT psi	ISIP psi		[ ] ACID STIMULATION	MAXIMUM BPM	
ANNULUS psi	5 MIN SIP psi		[ ] ACID SPOTTING	AVERAGE BPM	
MAXIMUM psi	15 MIN SIP psi		[ ] MISC PUMP		
MINIMUM psi			[ ] OTHER	HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Psit test, Per Coman circ 40 bbls KLL H2O 2nd 10w/Dye mix Pump 300  
sk cement at 30% Excess at 127 yield at 152 lbs, or until Coman stops us, no more than 30% excess. Release  
Plug Displace 41.2 Bbls H2O, Pump Plug at 150 psi cur Lift Psi, wait Smith Release Psi, wash up,  
Rig Down H2O test OK  
Arrived w/ 575 sks cement 4 call KLL 1600 Dye 67.8 Bbls slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS safety meeting 12/07am circ 12/13am cement 12/13am  
Drop Plug 2:11am Displace 2:11am

10 Bbls AT 5.0 bbls/min 2:18am 50psi used 28% Excess with top Job  
20 Bbls AT 5.0 Bbls/min 2:23am 50psi used 231 sks cement  
30 Bbls AT 5.0 Bbls/min 2:29am 130psi used 65 sks cement top Job  
40 Bbls AT 2.0 Bbls/min 2:40am 180psi 296 sks total  
41.2 Bbls AT 2.0 Bbls/min 2:45am 180psi 66.9 Bbls slurry  
Pump Plug 120 Flat hold

Lift w/ 279 sks cement 3 call KLL 600 Dye Bbls Back 2 After top Job

AUTHORIZATION TO PROCEED

TITLE

DATE