

# BISON OIL WELL CEMENTING, INC.



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REF INVOICE # 9525

LOCATION cr 80 23

FOREMAN Kirk Kallho  
mile R, Tractor L

## TREATMENT REPORT

DATE 12-6-10	WELL NAME Lind 23-15	SECTION 23	TWP 7N	RGE 6W	COUNTY weld	FORMATION
CHANGE TO Nesle		OWNER				
MAILING ADDRESS		OPERATOR D-4P				
CITY		CONTRACTOR E-Sign 55				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 2:30am		TIME LEFT LOCATION 9:30am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 588	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBID 562	TUBING WEIGHT	OPEN HOLE	STIRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 557.6		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 2416	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION good			1 - SURFACE PIPE		
			1 - PRODUCTION CASING		
			1 - SQUEEZE CEMENT		
			1 - ACID BREAKDOWN		
			1 - ACID STIMULATION		
			1 - ACID SPOTTING		
			1 - MISC PUMP		
			1 - OTHER		
			HYD HHP = RATE X PRESSURE X 47.8		

INSTRUCTIONS PRIOR TO JOB: Rig up, safety meeting, Ps. test, circ 30 bbls H2O 2nd 10 min/Dye, mix E Pump 249  
sls cement at 30% excess at 1.27 yield at 15.2 lbs per unit cement stops circ, Release Plug,  
Displace 32.6 BBLs H2O, Pump Plug at 150 psi and 1.5 min, Release Plug, wash up  
Rig Down  
Arrived w/ 575 sls cement 4 gallons Kel 16oz Dye  
56.1 BBLs slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS: safety meeting 7:48am Circ 8:03am cement 8:11am  
Dump Plug 8:29am Displace 8:29am

10 BBLs @ 5.5 BBLs/min 8:32am 360psi used 30% excess  
20 BBLs @ 5.5 BBLs/min 8:35am 4130psi used 249 sls cement  
30 BBLs @ 2.5 BBLs/min 8:38am 210psi 56.1 BBLs slurry  
20 BBLs @ 1.0 BBLs/min 8:40am 180psi  
Pump Plug 8:40am 320psi

Lift w/ 326 sls cement 3 gallons 1/2 Kel 6oz Dye 13 BBLs Back 15

*[Signature]*

AUTHORIZATION TO PROCEED

TITLE

12-6-10

DATE

Customer hereby acknowledges and specifically agrees to the terms and conditions on this work order including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.