

# BISON OIL WELL CEMENTING, INC.

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INVOICE # 11929  
LOCATION 127+110  
FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
5-23-13	Castor Federal LD 13-78H/N	12	9N	58W	Weld
BILL TO	CONSULTANT				
Noble	Mike S				
OWNER	RIG NAME & NUMBER				
Noble	H&P Rig 322				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	85 miles		3106/3203		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	7:00 pm.		6:40 pm.		
STATE, ZIP	TIME LEFT LOCATION				
	11:30 pm.				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BFN III 3% BCCA-1.25 H&P BFLA-1	
13 3/4			Cement - Specs	lbs	Yield
				131/15.2	1.69/1.27
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Annulus Factor	Capacity Factor	
1242			.5259	.0773	
CASING SIZE	TUBING WEIGHT	OPEN HOLE			
9 5/8					
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
1236.95			<input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> Production <input type="checkbox"/> Squeeze <input type="checkbox"/> MISC Pump <input type="checkbox"/> P&A		
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
3616					
CASING CONDITION	Good		% Excess		
Max Rate	7		BBL to Pit		
Max Pressure	2500		20/0 8		

## DESCRIPTION OF JOB EVENTS

MIRU, Safety meeting, Psi test to 1000 Psi, Circ 30 bbls H<sub>2</sub>O with KCL, Mix + pump LEAD at 20% Excess to cover 907.95' + conductor = 396 SKS, 119.19 bbls slurry at 131lb 1.69 yield, Tail at 0% Excess to cover 200' + shoe = 100 SKS, 22.61 bbls slurry at 15.21lb 1.27 yield, Drop plug, Displace 92.3 bbls H<sub>2</sub>O, Bump plug at 150 Psi over lift Psi, Wait 5 min then bleed off Psi, Do casing Psi test 1000 Psi for 15 min. then bleed off Psi. Washup, Rig down.

Authorization to Proceed

Title

x 5-23-13  
Date

Customers 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.