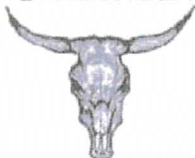


BISON OIL WELL CEMENTING, INC.

1547 Gaylord Street
Denver, Colorado 80206
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net



INVOICE #

11923

LOCATION

110+127

FOREMAN

Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
5-16-13	Castor LD 12-78HN	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		
	82 miles		3106/3203		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	8:00pm.		7:45pm.		
STATE, ZIP	TIME LEFT LOCATION				
	12:30am				

WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BFN III 3% BCCA-1.25166K BFLA-1	
13 3/4			Cement - Specs	lbs	Yield
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT		13.1/15.2	1.69/1.27
1229			Annulus Factor	Capacity Factor	
CASING SIZE	TUBING WEIGHT	OPEN HOLE	.5259	.0773	
9 5/8			TYPE OF TREATMENT		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	<input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> Production <input type="checkbox"/> Squeeze <input type="checkbox"/> MISC Pump <input type="checkbox"/> P&A		
1221.59					
CASING WEIGHT	PACKER DEPTH				
3616					
CASING CONDITION	Good		HYD HHP = RATE X PRESSURE / 40.8		
Max Rate	7		% Excess		
Max Pressure	2500		BBL to Pit		
			20/0		

DESCRIPTION OF JOB EVENTS

MIRA, Safety meeting, Psi Test to Psi, Circ 30 bbls H₂O with KCL, Lead at 20% Excess = 390 sks, 117.38 bbls Slurry at 13.1 lbs. 1.69 yield, Tail at 0% Excess = 100 sks, 22.61 bbls Slurry at 15.2 lbs. 1.27 yield to Cover 200' + shoe, Drop plug, Displace 91.2 bbls. H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi,

Authorization To Proceed

Title

5-16-13

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.