

BISON OIL WELL CEMENTING, INC.

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INVOICE #

LOCATION

FOREMAN

12450

71-80

Kwik

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
8-21-13	Wahle AC 23-68H N	23	7N	63W	Weld
BILL TO	CONSULTANT				
Noble	Huey				
OWNER	RIG NAME & NUMBER				
	Ensign 121				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3103-3204		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	3:00 pm		1:45 pm		
STATE, ZIP	TIME LEFT LOCATION				
	5:00 pm				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BENTON 39% BCL-1, 25 Bspers BFL-1	
13 3/4			Cement - Specs	lbs	Yield
				15.2	1.27
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Annulus Factor	Capacity Factor	
690			1.5258	1.0773	
CASING SIZE	TUBING WEIGHT	OPEN HOLE	TYPE OF TREATMENT		
9 5/8			<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 DEPTH	TUBING CONDITION	TREATMENT VIA	HYD HHP = RATE X PRESSURE / 40.8		
680					
CASING WEIGHT	PACKER DEPTH		% Excess		
36 1/3			10%		
CASING CONDITION			BBL to Pit		
Good			19		
Max Rate					
Max Pressure					

DESCRIPTION OF JOB EVENTS

Setup meeting, Rig up, PSI test, Perforation circ 50 BBLs KCL H2O 2nd 104 Dye, mix & Pump 401 Sls cement at 30% Excess at 15.2 lbs at 1.27 yield or until stopped by cement, Release Plug Dip 49.3 BBLs H2O, Bump Plug At 150 PSI over Lift PSI wait 5 min Release PSI wash up Rig Down

X
Authorization To Proceed

Title

X 8-21-13
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.