

BISON OIL WELL CEMENTING, INC.

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INVOICE #
 LOCATION
 FOREMAN

12462
 127-110
 Buck

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
9-16-13	Fiscus Federal LD23-78HM	23	9N	58W	weld
BILL TO	CONSULTANT				
note	Bryant Deer				
OWNER	RIG NAME & NUMBER				
	H&P 315				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3103-3210		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	8:00am		8:00am		
STATE, ZIP	TIME LEFT LOCATION				
	1:00 pm				

WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS
13 3/4		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT
604		
CASING SIZE	TUBING WEIGHT	OPEN HOLE
9 5/8		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA
549		
CASING WEIGHT	PACKER DEPTH	
3615		
CASING CONDITION	Good	
Max Rate		
Max Pressure		

Cement Makeup

Cement Blend	BENTONITE 34 BBL A-1, 25 HSP & SK BFLA-1		
Cement - Specs	lbs	Yield	Water Requirements
	152	1.27	5.89
Annulus Factor	Capacity Factor		
1.5258	1.0773		

TYPE OF TREATMENT

Surface Pipe
 MISC Pump
 Production
 Squeeze P&A

HYD HHP = RATE X PRESSURE / 40.8

% Excess: 5490
 BBL to Pit: 20 BBL 15

DESCRIPTION OF JOB EVENTS

Safety meeting, Rig up, PST test, Per company, circ 40 BBLs KCL H2O, 2nd 10W Dye, mix & Pump
 331 sls cement at 30% Excess at 1.27 yield at 152 lbs cement. 11 stopped by cement, Release
 Plug Disp 43.1 BBLs H2O, Pump Plug at 150 PSI over Lift PST and 5 min Release PST
 Wash up Rig down

X [Signature] Title WELT WSS Date 9-16-13

Customers hereby acknowledge and specifically agree 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.