

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 #
LOCATION
FOREMAN

12673
14/63
Jm

TREATMENT REPORT

DATE 8/21	WELL NAME Betty/GW 30-16	SECTION 30	TWP 8N	RGE 6SW	COUNTY Weld
BILL TO Noble	CONSULTANT Bary				
OWNER	RIG NAME & NUMBER PD 829				
MAILING ADDRESS	DISTANCE TO LOCATION 60 min		UNITS ON LOCATION 4022, 304, 119		
CITY	TIME REQUESTED 3:30		TIME ARRIVED ON LOCATION 2:30		
STATE, ZIP	TIME LEFT LOCATION				

WELL DATA

Cement Makeup

HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	Cement Blend Type II 3960CA 1/4 cement
TOTAL DEPTH 874	TUBING DEPTH	SHOTS/FT	Cement - Specs lbs 1512 Yield 1.27 Water Requirements 5.89
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE	Annulus Factor .5259 Capacity Factor .0773
CASING DEPTH 864	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT <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 36	PACKER DEPTH		
CASING CONDITION			
Max Rate 6			HYD HHP = RATE X PRESSURE / 40.8
Max Pressure 1000			% Excess 40 BBL to Pit 20

DESCRIPTION OF JOB EVENTS

MIRN MAP fill dye drop plug Displace

Authorization To Proceed

WSS
Title

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.

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12473
14103
JW

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

Safety Meeting	4:40	Displace 1			Displace 2			Displace 3			Displace 4			Displace 5			Displace 5		
	2:30	BLS	Time	PSI	BLS	Time	PSI	BLS	Time	PSI	BLS	Time	PSI	BLS	Time	PSI	BLS	Time	PSI
MIRU	5:00	0	5:47	0	0			0			0			0			0		
CIRCULATE		10	5:50	110	10			10			10			10			10		
Drop Plug		20	5:52	180	20			20			20			20			20		
5:47		30	5:54	230	30			30			30			30			30		
		40	5:57	280	40			40			40			40			40		
		50	5:59	310	50			50			50			50			50		
M & P		60	6:00	640	60			60			60			60			60		
Time		70			70			70			70			70			70		
5:13		80			80			80			80			80			80		
5:45		90			90			90			90			90			90		
5:04		100			100			100			100			100			100		
		110			110			110			110			110			110		
		120			120			120			120			120			120		
		130			130			130			130			130			130		
		140			140			140			140			140			140		
		150			150			150			150			150			150		

Notes:

20 bl returns held plug for 3mins, floats held

X [Signature]
Work Performed

X [Signature]
Title

X 8/24/13
Date