

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

11879
55/80
Jon

TREATMENT REPORT

DATE 5/20/13	WELL NAME Stable w/x PCTB11-63-1HNL	SECTION	TWP	RGE	COUNTY Weld
BILL TO Noble	CONSULTANT				
OWNER	RIG NAME & NUMBER PD 828				
MAILING ADDRESS	DISTANCE TO LOCATION 60 MIN		UNITS ON LOCATION 4000, 3103, 4017, 119		
CITY	TIME REQUESTED 6:00		TIME ARRIVED ON LOCATION 4:55		
STATE, ZIP	TIME LEFT LOCATION				

WELL DATA

HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	Cement Blend Type III, 2% CCA, 1/4 ceta-flake		
TOTAL DEPTH 802	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs 15.2	Yield 1.27
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE	Annulus Factor .5259	Capacity Factor .0773	
CASING DEPTH 792	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
Max Pressure 2000

HYD HHP = RATE X PRESSURE / 40.8

% Excess 15
BBL to Pit 1

DESCRIPTION OF JOB EVENTS

MIRU, JSA, Circ 10 fresh, 10 dye, 40 fresh w/KCL, MAP till see good dye called by Co. Man, Drop plug, displace 58 bbls

[Signature]
Authorization To Proceed

WSS
Title

x 5-20-13
Date

Customer 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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11789
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Jen

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

Safety Meeting	Time	Displace 1		Displace 2		Displace 3		Displace 4		Displace 5		Displace 5	
		BBS	Time	PSI	BBS	Time	PSI	BBS	Time	PSI	BBS	Time	PSI
MIRU	7:00												
CIRCULATE	6:00												
Drop Plug	7:17	0	7:48	300	0			0			0		
		10	7:51	300	10			10			10		
		20	7:53	300	20			20			20		
		30	7:55	300	30			30			30		
		40	7:57	400	40			40			40		
		50	7:59	350	50			50			50		
M & P													
Time	Sacks												
Start 7:30	380												
Finish 7:46													
		70			60			60			60		
		80			80			80			80		
		90			90			90			90		
		100			100			100			100		
		110			110			110			110		
		120			120			120			120		
		130			130			130			130		
		140			140			140			140		
		150			150			150			150		

Notes:

pumped 1 bbl over 1 bbl returns

X Dei Ma Chen

X WSS

X 5/20/13

Work Performed

Title

Date