

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

12675
388/575
JW

TREATMENT REPORT

DATE 8/25	WELL NAME MIRN-1565 W/N	SECTION 14	TWP 5	RGE 64	COUNTY Weld
BILL TO Noble	CONSULTANT Brent				
OWNER	RIG NAME & NUMBER BHP 315				
MAILING ADDRESS	DISTANCE TO LOCATION 60 min		UNITS ON LOCATION 402, 3104, 3105, 119		
CITY	TIME REQUESTED 5:00		TIME ARRIVED ON LOCATION 3:00		
STATE, ZIP	TIME LEFT LOCATION				

WELL DATA

HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS
TOTAL DEPTH 647	TUBING DEPTH	SHOTS/FT
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE
CASING DEPTH 642	TUBING CONDITION	TREATMENT VIA
CASING WEIGHT 360	PACKER DEPTH	
CASING CONDITION		
Max Rate 6		
Max Pressure 2000		

Cement Makeup

Cement Blend Type III, 3% CCA, 1/4 Cefixone			
Cement - Specs	lbs 15.2	Yield 1.27	Water Requirements 5.89
Annulus Factor .5254	Capacity Factor .1773		
<p>TYPE OF TREATMENT</p> <p><input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> Production <input type="checkbox"/> Squeeze</p> <p><input type="checkbox"/> MISC Pump <input type="checkbox"/> P&A</p>			

HYD HHP = RATE X PRESSURE / 40.8

% Excess

BBL to Pit

30
20

DESCRIPTION OF JOB EVENTS

MIRN, Safety, Circ 10 Fresh, 10 Dye, 26 Fresh, MTP fill WSS
sees dye, drop plug, displace 46.3 bbl

X
Authorization to Proceed

NEI WSS
Title

X 8/25/13
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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He


Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

Safety Meeting	Displace 1			Displace 2			Displace 3			Displace 4			Displace 5		
	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI
MIRU	0	8:36	10	0			0			0			0		
CIRCULATE	10	8:39	90	10			10			10			10		
Drop Plug	20	8:41	170	20			20			20			20		
8:36	30	8:43	200	30			30			30			30		
	40	8:56	530	40			40			40			40		
	50			50			50			50			50		
M & P	60			60			60			60			60		
Time	70			70			70			70			70		
Sacks	80			80			80			80			80		
	90			90			90			90			90		
	100			100			100			100			100		
	110			110			110			110			110		
	120			120			120			120			120		
	130			130			130			130			130		
	140			140			140			140			140		
	150			150			150			150			150		

Notes:

Notes:
20 bbl returns, set plug @ 530 psi, held for 3 mins released, floots held, pressured to 1020 held for 15 mins ending pressure was 1030 psi

X  Work Performed

x NET OBS

Date 8/5/18 X