

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

11747
33-26
Mike Pugh

TREATMENT REPORT

DATE 3-9-13	WELL NAME LONG 20 2H	SECTION 2	TWP 2N	RGE 66W	COUNTY
BILL TO Encore	CONSULTANT				
OWNER Encore	RIG NAME & NUMBER Ensign 124				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
CITY	TIME REQUESTED 3:00 AM		TIME ARRIVED ON LOCATION 3:20		
STATE, ZIP	TIME LEFT LOCATION 8:35				
WELL DATA			Cement Makeup		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	Cement Blend	BFW 12 3/4 BFLA-1 2010 BFLA-1	
TOTAL DEPTH 1050	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs 15-2	Yield 127
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor .0723	
CASING DEPTH 1038.60	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 210	PACKER DEPTH		<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 CONDITION Good			HYD HHP = RATE X PRESSURE / 40.8		
Max Rate 1100			% Excess 40%		
Max Pressure 10			BBL to Pit 15 15		

DESCRIPTION OF JOB EVENTS

Rig up SAT, met. PSE Test 100g 30 BBL spacer 2nd Dep - max + Pump 4 1/2 hrs
at 15-2 at 127 gph. DROP Plug Displace 75.2 BBL h2o Pump Plug 500 PSE over
left wait 5 min Release PSE Washup.

Left with 180 BBL 5 gph @ Day & Safe

WSL

X **3-9-13**

Authorization To Proceed Title 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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11747
33126
m.k. Roper

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

		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
Safety Meeting	5:44															
MIRU	5:00															
CIRCULATE	6:35	0			0			0			0			0		
Drop Plug		10	7:02	260	10			10			10			10		
		20	7:08	320	20			20			20			20		
		30	7:15	410	30			30			30			30		
		40	7:17	510	40			40			40			40		
		50	7:19	562	50			50			50			50		
M & P		60	7:23	452	60			60			60			60		
Time	Sacks	70	7:24	490	70			70			70			70		
		80	7:26	1032	80			80			80			80		
6:44 Am	435															
7:03 Am																
Slurry 68.24	98.44	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:

Displace 75.2 BBLs Has Pump Plur and over next couple Reels PST. Flow Coller held

Max Pump 435 SKS

X CLC

X WSK

X 3-9-13

Work Performed

Title

Date