



State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109



FOR OGCC USE ONLY

BOTTOM HOLE PRESSURE

1. OGCC Operator Number: <u>76104</u>		4. Contact Name and Telephone <u>Jane E Strutt</u>	
2. Name of Operator: <u>Samson Resources Company</u>		No: <u>918-591-1140</u>	
3. Address: <u>Two West Second Street</u>		Fax: _____	
City: <u>Tulsa</u>	State: <u>OK</u>	Zip: <u>74103</u>	

5. API Number: <u>05-067-09259</u>		6. OGCC Lease No.: _____	
7. Well Name: <u>Harper</u>		Well Number: <u>3-13U</u>	
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>SWSE 13-34N-07W NMPM</u>			
9. County: <u>La Plata</u>		10. Field Name: <u>Ignacio Blanco</u>	
11. Federal, Indian or State Lease Number: <u>750001094</u>			
12. Well Elevation: <input type="checkbox"/> KB <input checked="" type="checkbox"/> GL <u>6835</u> feet			
13. Bottom Hole Pressure: <u>744.5</u> psia at a depth of <u>3034</u> feet.			
14. Date Measured: <u>8/16/10</u>			
15. Number of Hours Well Was Shut-In: <u>48</u> hours			
16. Method Used to Obtain Bottom Hole Pressure: <input checked="" type="checkbox"/> Bottom Hole Pressure Recorder <input type="checkbox"/> Surface Pressure and Fluid Level Measurement Used to Calculate BHP: Casing Pressure: _____ Fluid Level: _____ <input type="checkbox"/> Other Method (Specify): _____			
17. Formation: <u>Fruitland Coal</u>			
18. Completed Interval (Net Footage): <u>2988-3070'</u>			
19. Production Rates: Gas: _____ mcf/d Water: _____ bpd Date Reported: _____			
20. Flowing Tubing Pressure: _____ psi			
21. Flowing Casing Pressure: _____ psi			
22. Type of Production: <input checked="" type="checkbox"/> Downhole Pump <input type="checkbox"/> Flowing <input type="checkbox"/> Plunger <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other: _____			
23. Bottom Hole Temperature (temperature of produced water at well head can be used): <u>125.492</u> ° <input checked="" type="checkbox"/> F or <input type="checkbox"/> C			
24. Method of Temperature Measurement: <input type="checkbox"/> Bottom Hole Temperature <input type="checkbox"/> Produced Water Measurement			
25. Comments: _____ _____ _____			

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Randal L Maxwell

Signed: Randal L Maxwell Title: Manager, Regulatory Engineering Date: 9/23/10

Static Gradient Report

Oil Company: SAMSON RESOURCES
Well Name: HARPER 3-13U
Well Location: T34N, R7W, SEC. 13
Field: IGNACIO BLANCO
Formation: FRUITLAND COAL
On Bottom Time: 8/16/10 @ 0744 HRS
Off Bottom Time: 8/16/10 @ 0844 HRS

OIL COMPANY INFORMATION

Oil Company: SAMSON RESOURCES
Address: BAYFIELD, CO

WELL INFORMATION

Well Name: HARPER 3-13U
Well Location: T34N, R7W, SEC. 13
Field: IGNACIO BLANCO
Pool:
Formation: FRUITLAND COAL
Well Licence Number: 0506709259
Well Fluid Status: 02 Gas
Well Mode Status: 05 Capped
Well Type Status: 09 Industrial
Well Type Indicator: Vertical
Production Interval(KB) From: TO
KB Elevation: 6850
Pool Datum:
Producing Through: Tubing
O.H. Diameter:
Casing Liner Diameter:
PBTD: 3280
Total Depth: 3389
Tubing Depth: 3120
Tubing OD.: 2 3/7
Casing OD.: 5 1/2

CF Elevation:
Datum Depth: 6850

Ground Elevation: 6835

Tubing ID.: 4.7# J55
Casing ID.: 17# JFF

TEST INFORMATION

Type Of Test: Static Gradient
Initial Tubing Pressure:
Initial Casing Pressure:
Shut in Time:

Final Tubing Pressure:
Final Casing Pressure:

GAUGE INFORMATION

Serial Number: 90205
Pressure Range: 307
Calibration Date: JUN 22/10
Gauge Started:
On Bottom Time: 8/16/10 @ 0744 HRS
Run Depth Bottom (KB): 3034

Gauge Stopped:
Off Bottom Time: 8/16/10 @ 0844 HRS

REMARKS

RAN TANDEM BHP GAUGES (90204, 90205) TO 3034'-SET 1 HR-POOH MAKING GRADIENT STOPS.

GRADIENT SUMMARY

Oil Company: SAMSON RESOURCES

Well Location: T34N, R7W, SEC. 13

#	Real Time	Depth	Stop Time	Temp.(DEG.F)	Pres.(PSIG)	Gradient
1	08/16/2010 10:33:10	0.0	1021 - 1031	65.570	690.5	0.000
2	08/16/2010 10:19:15	500.0	1009 - 1019	70.702	700.3	0.020
3	08/16/2010 10:07:10	1000.0	0957 - 1007	79.956	709.9	0.019
4	08/16/2010 09:54:50	1500.0	0945 - 0955	90.088	718.7	0.018
5	08/16/2010 09:43:30	2000.0	0933 - 0943	100.621	727.0	0.017
6	08/16/2010 09:31:10	2500.0	0921 - 0931	109.284	735.4	0.017
7	08/16/2010 09:20:05	2600.0	0910 - 920	111.681	737.0	0.016
8	08/16/2010 09:08:40	2800.0	0858 - 0908	116.667	740.5	0.017
9	08/16/2010 08:56:35	3000.0	0946 - 0856	124.935	744.0	0.017
10	08/16/2010 08:45:20	3034.0	0744 - 0844	125.492	744.5	0.016

FLUID LEVEL IS AT N/A

Gradient Plots

Oil Company: SAMSON RESOURCES

Well Location: T34N, R7W, SEC. 13

