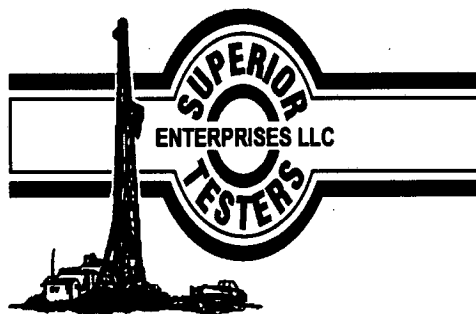




DRILL STEM TEST REPORT

Prepared For: **Captiva Energy II LLC**

445 Union BLVD. Suite 208
Lakewood Colorado 80228

ATTN: Bruce Ard

13/21S/16W Pawnee

Fleske #1-13

Start Date: 2011.02.16 @ 01:16:00

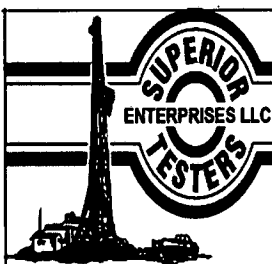
End Date: 2011.02.16 @ 08:09:00

Job Ticket #: 15655 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.02.16 @ 21:01:03

Captiva Energy II LLC Fleske #1-13 13/21S/16W Pawnee DST # 1 Arbuckle 2011.02.16



DRILL STEM TEST REPORT

Captiva Energy II LLC

445 Union BLVD, Suite 208
Lakewood Colorado 80228

ATTN: Bruce Ard

Fleske #1-13

13/21S/16W Pawnee

Job Ticket: 15655

DST#: 1

Test Start: 2011.02.16 @ 01:16:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:52:30

Time Test Ended: 08:09:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dylan E Ellis

Unit No: 3345/Great Bend/

Interval: 3750.00 ft (KB) To 3813.00 ft (KB) (TVD)

Total Depth: 3813.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1976.00 ft (KB)

1965.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8400 Outside

Press@RunDepth: 815.61 psig @ 3809.47 ft (KB)

Start Date: 2011.02.16

End Date:

2011.02.16

Start Time: 01:16:00

End Time:

08:09:00

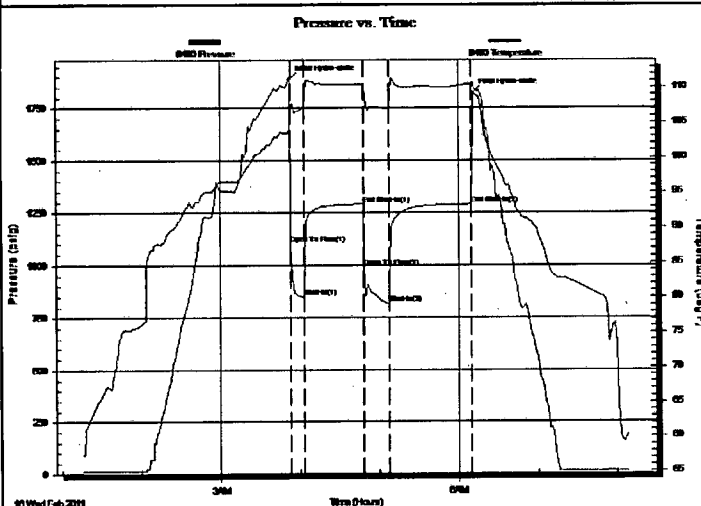
Capacity: 8000.00 psig

Last Calib.: 2011.02.16

Time On Btm: 2011.02.16 @ 03:52:00

Time Off Btm: 2011.02.16 @ 06:11:00

TEST COMMENT: 1ST Opening 10 minutes very strong blow /bottom of bucket instantly/gas to surface in 1 minute
1ST Shut-In 45 minutes yes blow back
2ND Opening 20 minutes very strong blow /bottom of the bucket instantly/gauged gas/yes sample caught
2ND Shut-In 60 minutes yes blow back



PRESSURE SUMMARY

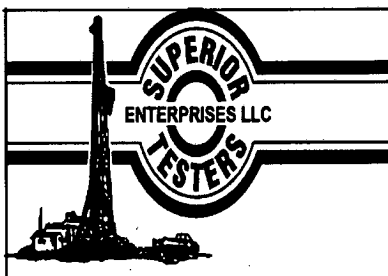
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1889.68	104.12	Initial Hydro-static
1	1102.85	107.47	Open To Flow (1)
11	848.97	107.02	Shut-In(1)
56	1292.08	110.42	End Shut-In(1)
56	991.76	110.04	Open To Flow (2)
76	815.61	106.87	Shut-In(2)
138	1291.70	110.52	End Shut-In(2)
139	1821.57	110.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Mud at 100%	0.89
60.00	Slightly Gassy Mud	0.30
0.00	Gas 10% Mud 90%	0.00
0.00	3470 feet of Gas in the pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	109.75	3155.18
Last Gas Rate	1.00	136.75	3931.40
Max. Gas Rate	1.00	136.75	3931.40



DRILL STEM TEST REPORT

Captiva Energy II LLC
445 Union BLVD. Suite 208
Lakewood Colorado 80228
ATTN: Bruce Ard

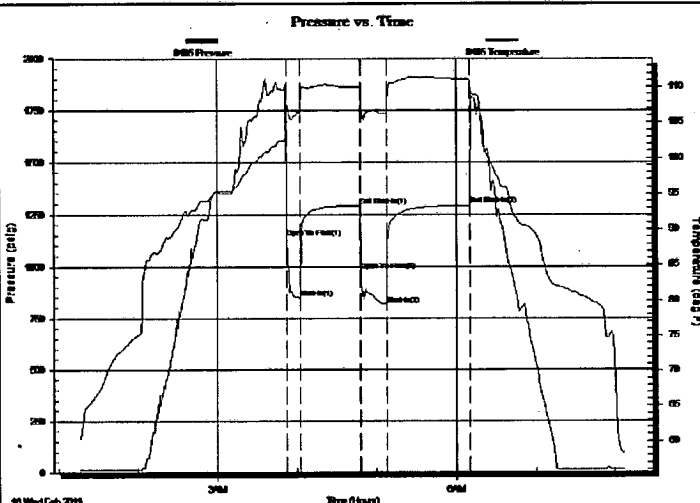
Fleske #1-13
13/21S/16W Pawnee
Job Ticket: 15655 **DST#: 1**
Test Start: 2011.02.16 @ 01:16:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 03:52:30
Time Test Ended: 08:09:00
Interval: **3750.00 ft (KB) To 3813.00 ft (KB) (TVD)**
Total Depth: **3813.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Dylan E Ellis**
Unit No: **3345/Great Bend/**
Reference Elevations: **1976.00 ft (KB)**
1965.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: 8405 **Inside**
Press@RunDepth: **1297.59 psig @ 3808.47 ft (KB)**
Start Date: **2011.02.16** End Date: **2011.02.16** Capacity: **5000.00 psig**
Start Time: **01:16:00** End Time: **08:08:27** Last Calib.: **2011.02.16**
Time On Btm:
Time Off Btm:

TEST COMMENT: 1ST Opening 10 minutes very strong blow /bottom of bucket instantly/gas to surface in 1 minute
1ST Shut-In 45 minutes yes blow back
2ND Opening 20 minutes very strong blow /bottom of the bucket instantly/gauged gas/yes sample caught
2ND Shut-In 60 minutes yes blow back



PRESSURE SUMMARY

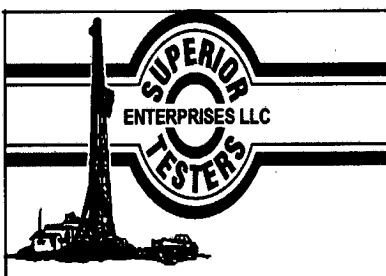
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1139.81	107.34	Open To Flow (1)
10	847.75	106.53	Shut-In(1)
56	1291.62	110.02	End Shut-In(1)
56	980.16	108.05	Open To Flow (2)
76	814.63	106.24	Shut-In(2)
138	1297.59	110.90	End Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Mud at 100%	0.89
60.00	Slightly Gassy Mud	0.30
0.00	Gas 10% Mud 90%	0.00
0.00	3470 feet of Gas in the pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	109.75	3155.18
Last Gas Rate	1.00	136.75	3931.40
Max. Gas Rate	1.00	136.75	3931.40



DRILL STEM TEST REPORT

TOOL DIAGRAM

Captiva Energy II LLC
445 Union BLVD. Suite 208
Lakewood Colorado 80228
ATTN: Bruce Ard

Fleske #1-13
13/21S/16W Pawnee
Job Ticket: 15655 DST#: 1
Test Start: 2011.02.16 @ 01:16:00

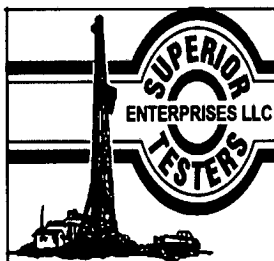
Tool Information

Drill Pipe:	Length: 3470.00 ft	Diameter: 3.80 inches	Volume: 48.67 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 259.04 ft	Diameter: 2.25 inches	Volume: 1.27 bbl	Weight to Pull Loose:	43000.00 lb
			Total Volume:	49.94 bbl	Tool Chased 10.00 ft
Drill Pipe Above KB:	7.04 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	3750.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	62.47 ft				
Tool Length:	90.47 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments: We opened the tool up going into the hole when we hit a bridge but it closed when we feel through the bridge/the bridge was about 1,200.0 foot above bottom of the hole.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3727.00	
Hydraulic Tool	5.00			3732.00	
Jars	6.00			3738.00	
Safety Joint	2.00			3740.00	
Packer	5.00			3745.00	28.00 Bottom Of Top Packer
Packer ,	5.00			3750.00	
Perforations	5.00			3755.00	
Change Over Sub	0.75			3755.75	
Drill Pipe	31.97			3787.72	
Change Over Sub	0.75			3788.47	
Perforations	19.00			3807.47	
Recorder	1.00	8405	Inside	3808.47	
Recorder	1.00	8400	Outside	3809.47	
Bull Plug	3.00			3812.47	62.47 Bottom Packers & Anchor

Total Tool Length: 90.47



DRILL STEM TEST REPORT

FLUID SUMMARY

Captiva Energy II LLC

Fleske #1-13

445 Union BLVD. Suite 208
Lakewood Colorado 80228

13/21S/16W Pawnee

Job Ticket: 15655

DST#: 1

ATTN: Bruce Ard

Test Start: 2011.02.16 @ 01:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 9.19 in³

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Mud at 100%	0.885
60.00	Slightly Gassy Mud	0.295
0.00	Gas 10% Mud 90%	0.000
0.00	3470 feet of Gas in the pipe	0.000

Total Length: 240.00 ft

Total Volume: 1.180 bbl

Num Fluid Samples: 0

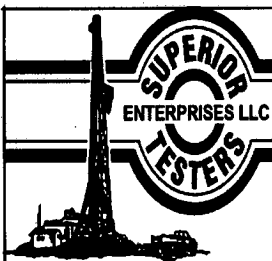
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

Captiva Energy II LLC

Fleske #1-13

445 Union BLVD. Suite 208
Lakewood Colorado 80228

13/21S/16W Pawnee

Job Ticket: 15655

DST#: 1

ATTN: Bruce Ard

Test Start: 2011.02.16 @ 01:16:00

Gas Rates Information

Temperature: 59 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

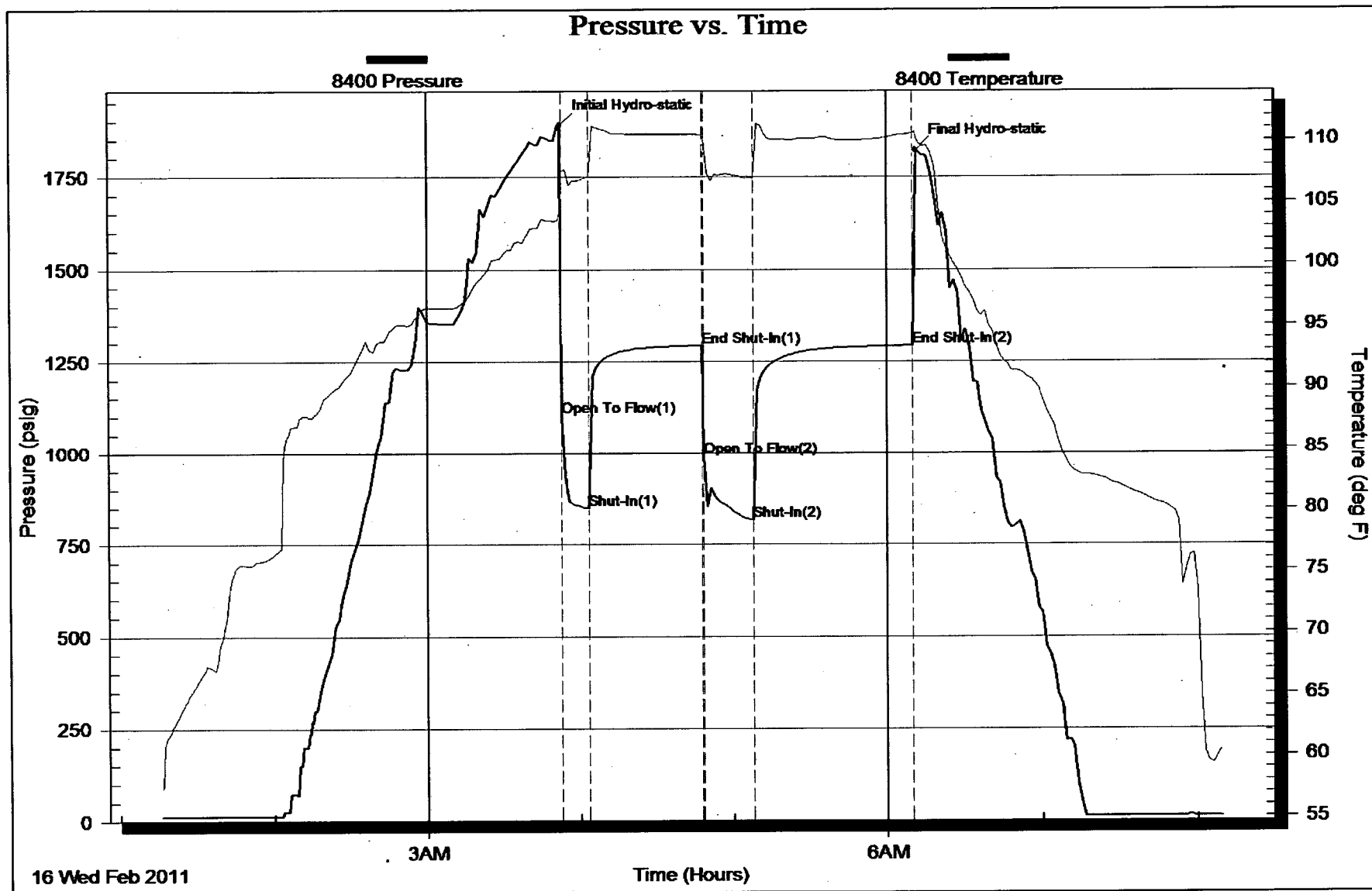
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	5	1.00	109.75	3155.18
2	5	1.00	109.75	3155.18
2	10	1.00	126.47	3636.01
2	15	1.00	136.75	3931.40

Serial #: 8400

Outside Captiva Energy II LLC

13/21S/16W Pawnee

DST Test Number: 1

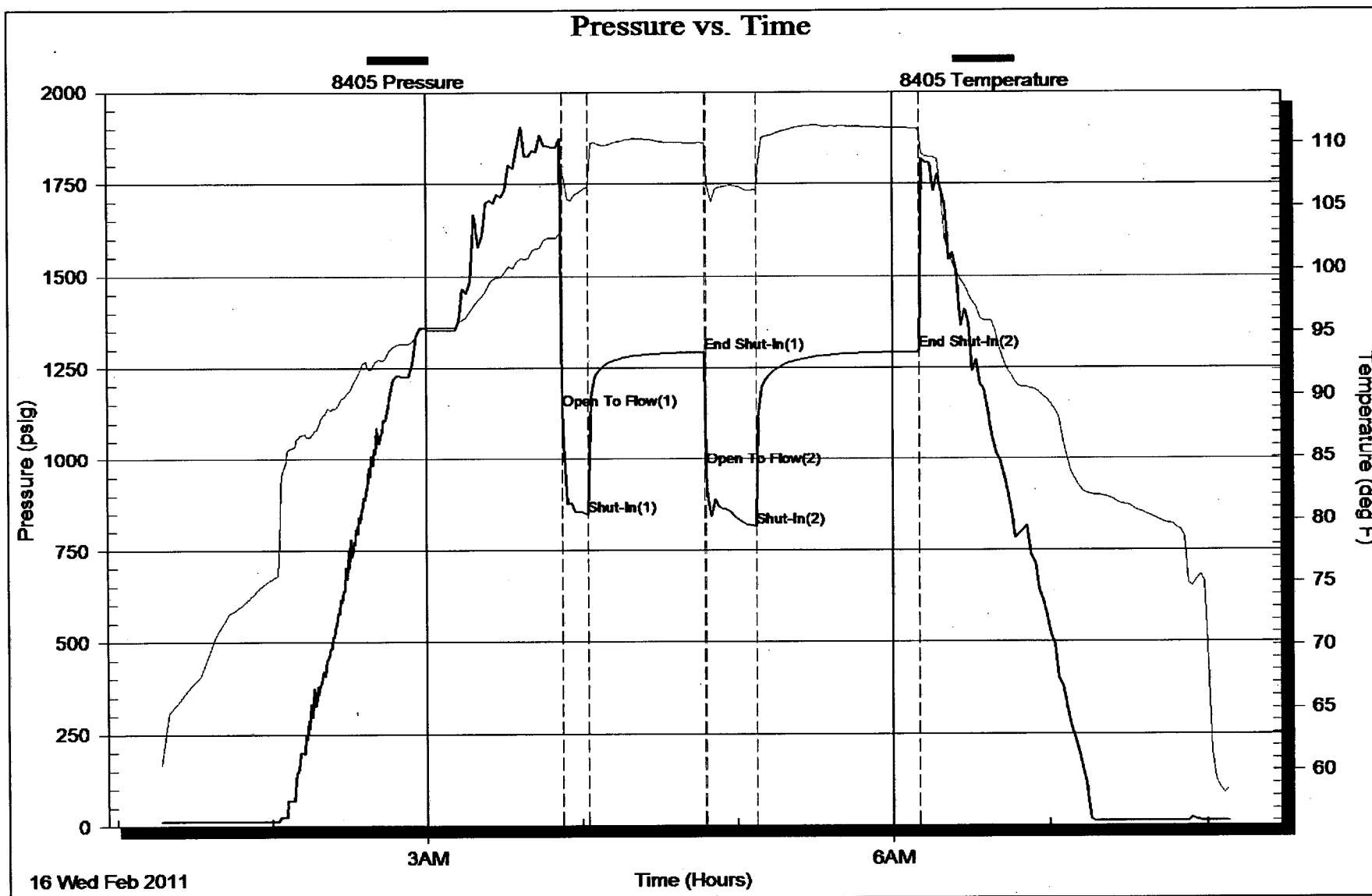


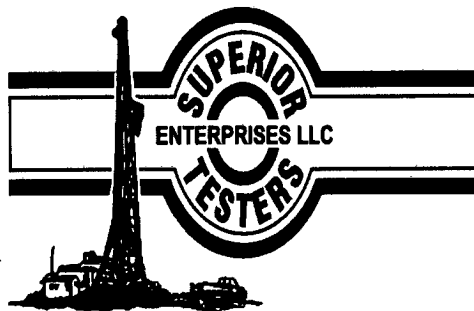
Serial #: 8405

Inside Captiva Energy II LLC

13/21S/16W Pawnee

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Captiva Energy II LLC**

445 Union BLVD. Suite 208
Lakewood Colorado 80228

ATTN: Bruce Ard

13/21S/16W Pawnee

Fleske #1-13

Start Date: 2011.02.17 @ 05:48:00

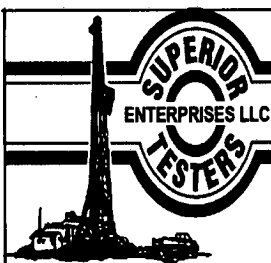
End Date: 2011.02.17 @ 12:48:00

Job Ticket #: 15656 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.02.17 @ 13:36:27

Captiva Energy II LLC Fleske #1-13 13/21S/16W Pawnee DST # 2 Arbuckle 2011.02.17



DRILL STEM TEST REPORT

Captiva Energy II LLC
445 Union BLVD. Suite 208
Lakewood Colorado 80228
ATTN: Bruce Ard

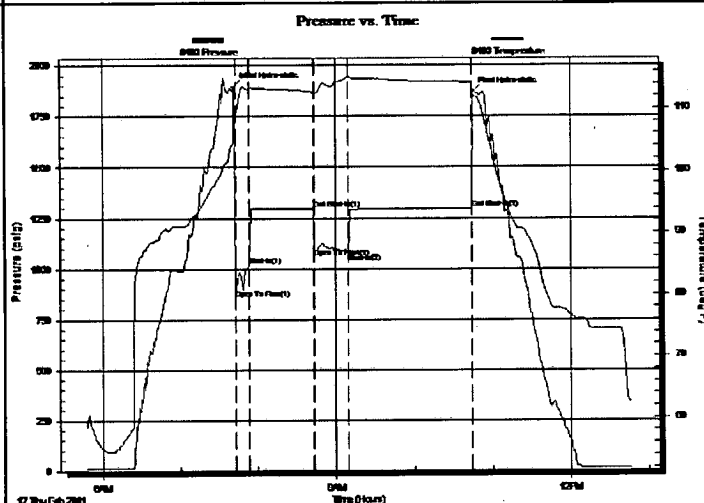
Fleske #1-13
13/21S/16W Pawnee
Job Ticket: 15656 **DST#: 2**
Test Start: 2011.02.17 @ 05:48:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:42:30
Time Test Ended: 12:48:00
Interval: **3827.00 ft (KB) To 3845.00 ft (KB) (TVD)**
Total Depth: 3845.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan E Ellis
Unit No: 3345/Great Bend/45
Reference Elevations: 1976.00 ft (KB)
1965.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8400 Outside
Press@RunDepth: 1076.32 psig @ 3842.00 ft (KB)
Start Date: 2011.02.17 End Date: 2011.02.17
Start Time: 05:48:00 End Time: 12:48:00
Capacity: 5000.00 psig
Last Calib.: 2011.02.17
Time On Btm: 2011.02.17 @ 07:41:00
Time Off Btm: 2011.02.17 @ 10:45:00

TEST COMMENT: 1ST Opening 10 minutes very strong blow /bottom of the bucket instantly/gas to surface in 1 minute
1ST Shut-In 45 minutes yes blow back
2ND Opening 30 minutes very strong blow /bottom of the bucket instantly/gas and mud mix/surged to much
2ND Shut-In 90 minutes yes blow back



PRESSURE SUMMARY

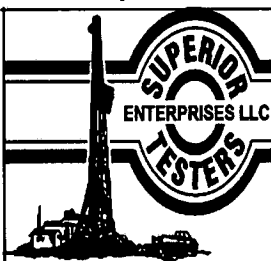
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1895.78	104.45	Initial Hydro-static
2	852.91	108.97	Open To Flow (1)
12	1016.27	113.19	Shut-In (1)
62	1296.15	112.53	End Shut-In (1)
63	1054.57	112.38	Open To Flow (2)
89	1076.32	115.07	Shut-In (2)
183	1296.01	114.15	End Shut-In (2)
184	1869.41	112.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	Clean Gassy Oil 100%	0.54
472.00	Very Slightly Oil spotted Water	5.26
0.00	Oil 1% Water 99%	0.00
0.00	2985 feet of gas in the pipe	0.00
0.00	Chlorides were 31,000.0	0.00
0.00	Gravity of Oil corrected were 37	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Captiva Energy II LLC

Fleske #1-13

445 Union BLVD. Suite 208
Lakewood Colorado 80228

13/21S/16W Pawnee

Job Ticket: 15656

DST#: 2

ATTN: Bruce Ard

Test Start: 2011.02.17 @ 05:48:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:42:30

Time Test Ended: 12:48:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dylan E Ellis

Unit No: 3345/Great Bend/45

Interval: **3827.00 ft (KB) To 3845.00 ft (KB) (TVD)**

Reference Elevations: 1976.00 ft (KB)

Total Depth: 3845.00 ft (KB) (TVD)

1965.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: **8405**

Inside

Press@RunDepth: 1295.07 psig @ 3841.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.02.17

End Date:

2011.02.17

Last Calib.: 2011.02.17

Start Time: 05:48:00

End Time:

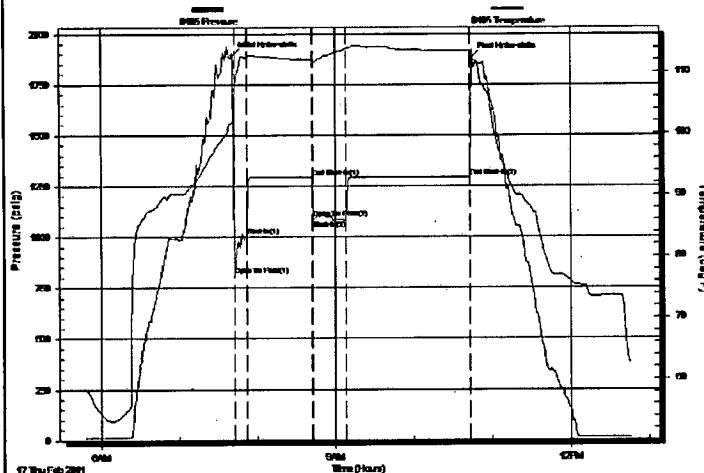
12:47:56

Time On Btm: 2011.02.17 @ 07:40:56

Time Off Btm: 2011.02.17 @ 10:43:56

TEST COMMENT: 1ST Opening 10 minutes very strong blow /bottom of the bucket instantly/gas to surface in 1 minute
1ST Shut-In 45 minutes yes blow back
2ND Opening 30 minutes very strong blow /bottom of the bucket instantly/gas and mud mix/surged to much
2ND Shut-In 90 minutes yes blow back

Pressure vs. Time



PRESSURE SUMMARY

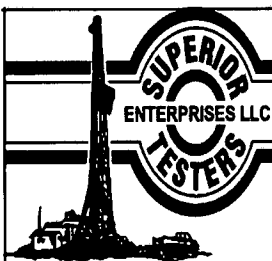
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1894.54	101.70	Initial Hydro-static
2	812.30	107.93	Open To Flow (1)
11	1006.71	112.29	Shut-In(1)
62	1295.29	112.02	End Shut-In(1)
63	1093.31	111.72	Open To Flow (2)
88	1083.88	113.82	Shut-In(2)
182	1295.07	113.41	End Shut-In(2)
183	1884.69	113.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	Clean Gassy Oil 100%	0.54
472.00	Very Slightly Oil spotted Water	5.26
0.00	Oil 1% Water 99%	0.00
0.00	2985 feet of gas in the pipe	0.00
0.00	Chlorides were 31,000.0	0.00
0.00	Gravity of Oil corrected were 37	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



DRILL STEM TEST REPORT

TOOL DIAGRAM

Captiva Energy II LLC

Fleske #1-13

445 Union BLVD. Suite 208
Lakewood Colorado 80228

13/21S/16W Pawnee

Job Ticket: 15656

DST#: 2

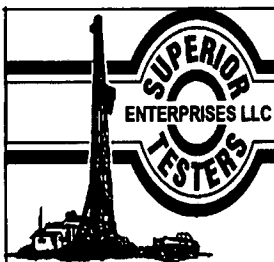
ATTN: Bruce Ard

Test Start: 2011.02.17 @ 05:48:00

Tool Information

Drill Pipe:	Length: 3567.00 ft	Diameter: 3.80 inches	Volume: 50.04 bbl	Tool Weight:	2000.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb	
Drill Collar:	Length: 259.04 ft	Diameter: 2.25 inches	Volume: 1.27 bbl	Weight to Pull Loose:	11000.00 lb	
			Total Volume:	51.31 bbl	Tool Chased	7.00 ft
Drill Pipe Above KB:	27.04 ft			String Weight: Initial	76000.00 lb	
Depth to Top Packer:	3827.00 ft			Final	80000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	18.00 ft					
Tool Length:	46.00 ft					
Number of Packers:	2	Diameter:	6.75 inches			
Tool Comments: Tool slide about 7.0 foot to bottom						

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3804.00	
Hydraulic Tool	5.00			3809.00	
Jars	6.00			3815.00	
Safety Joint	2.00			3817.00	
Packer	5.00			3822.00	28.00 Bottom Of Top Packer
Packer	5.00			3827.00	
Perforations	13.00			3840.00	
Recorder	1.00	8405	Inside	3841.00	
Recorder	1.00	8400	Outside	3842.00	
Bull Plug	3.00			3845.00	18.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Captiva Energy II LLC
445 Union BLVD. Suite 208
Lakewood Colorado 80228
ATTN: Bruce Ard

Fleske #1-13
13/21S/16W Pawnee
Job Ticket: 15656 DST#: 2
Test Start: 2011.02.17 @ 05:48:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 9.19 in³
Resistivity: ohm.m
Salinity: 6000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 31000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	Clean Gassy Oil 100%	0.541
472.00	Very Slightly Oil spotted Water	5.263
0.00	Oil 1% Water 99%	0.000
0.00	2985 feet of gas in the pipe	0.000
0.00	Chlorides were 31,000.0	0.000
0.00	Gravity of Oil corrected were 37	0.000
0.00	Resistivity was 3.5 @ 70 degrees	0.000

Total Length: 582.00 ft Total Volume: 5.804 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

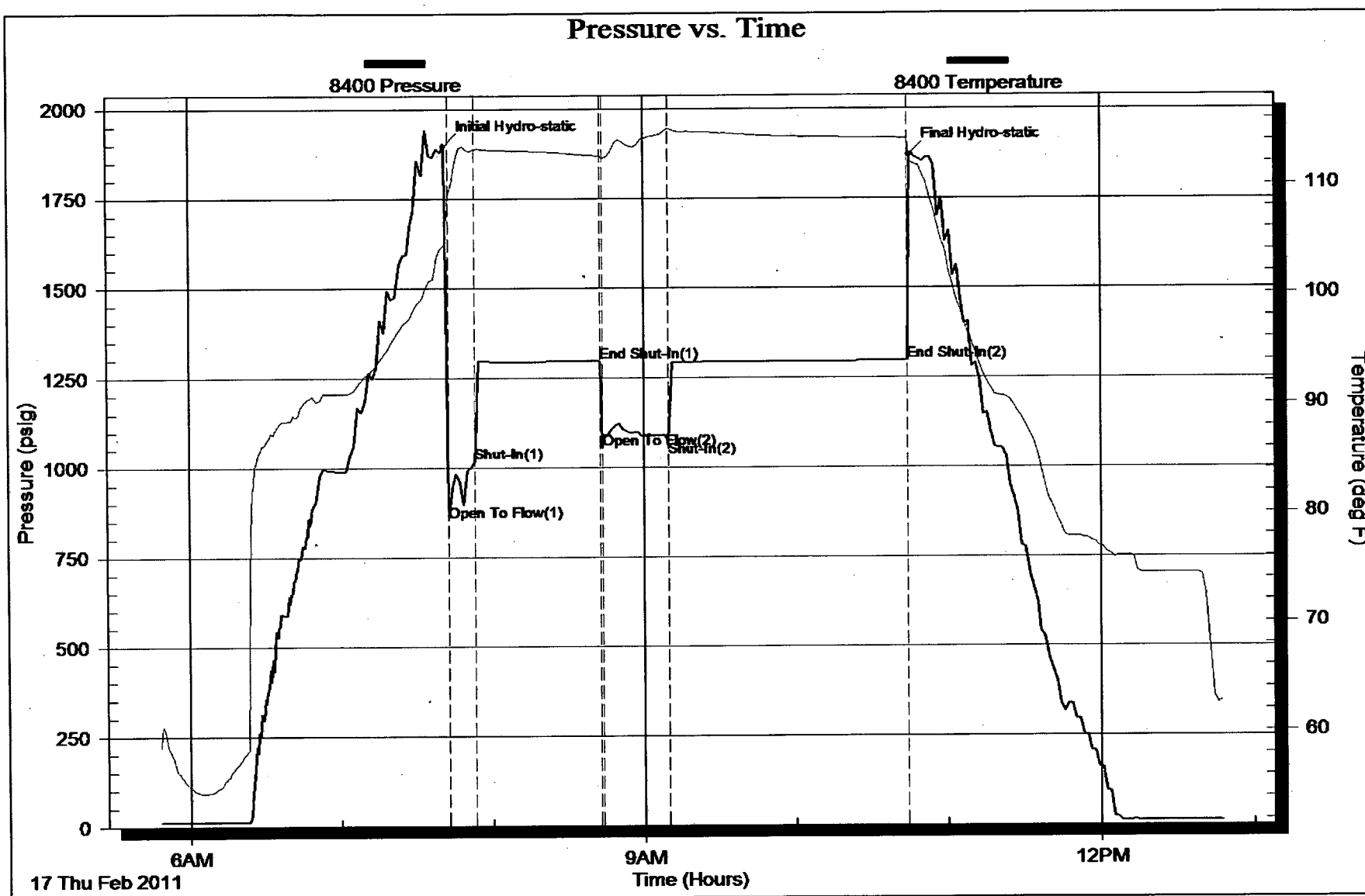
Recovery Comments: Thank you for the work! Also very nice well!

Serial #: 8400

Outside Captiva Energy II LLC

13/21S/16W Pawnee

DST Test Number: 2



Serial #: 8405

Inside Captiva Energy II LLC

13/21S/16W Pawnee

DST Test Number: 2

