KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1064960

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31725
Name: Shelby Resources LLC
Address 1: 2717 Canal Blvd
Address 2: Suite C
City: HAYS State: KS Zip: 67601 + ____
Contact Person: Chris Gottschalk
Phone: (785) 623-1524
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Bruce Ard
Purchaser: ____

Designate Type of Completion:

- [x] New Well [ ] Re-Entry [ ] Workover
- [ ] Oil [ ] WSW [ ] SWD [ ] SIOW
- [x] Gas [ ] D&A [ ] ENHR [ ] SIGW
- [ ] OG [ ] GSW [ ] Temp. Abd.
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic [ ] Other *(Core, Expl., etc.)*: ____

If Workover/Re-entry: Old Well Info as follows:

Operator: ____
Well Name: ____
Original Comp. Date: ____ Original Total Depth: ____

- [ ] Deepening [ ] Re-perf. [ ] Conv. to ENHR [ ] Conv. to SWD
- [ ] Conv. to GSW
- [ ] Plug Back: ____ Plug Back Total Depth
- [ ] Commingled Permit #: ____
- [ ] Dual Completion Permit #: ____
- [ ] SWD Permit #: ____
- [ ] ENHR Permit #: ____
- [ ] GSW Permit #: ____

02/10/2011	02/19/2011	03/31/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-145-21631-00-00
Spot Description: ____
__ - NE - NW - SE Sec. 13 Twp. 21 S. R. 16 [ ] East [x] West
2310 Feet from [ ] North / [x] South Line of Section
1650 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Pawnee
Lease Name: Fleske Well #: 1-13
Field Name: ____
Producing Formation: Arbuckle
Elevation: Ground: 1966 Kelly Bushing: 1967
Total Depth: 3925 Plug Back Total Depth: ____
Amount of Surface Pipe Set and Cemented at: 979 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: ____ Feet
If Alternate II completion, cement circulated from: ____
feet depth to: ____ w/ ____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 6000 ppm Fluid volume: 1200 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name: ____
Lease Name: ____ License #: ____
Quarter ____ Sec. ____ Twp. ____ S. R. ____ [ ] East [ ] West
County: ____ Permit #: ____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- [ ] Letter of Confidentiality Received
  Date: ____
- [ ] Confidential Release Date: ____
- [x] Wireline Log Received
- [x] Geologist Report Received
- [ ] UIC Distribution

ALT [x] I [ ] II [ ] III Approved by: Deanna Garrison Date: 10/11/2011

Side Two

1064960

Operator Name: Shelby Resources LLC Lease Name: Fleske Well #: 1-13

Sec. 13 Twp. 21 S. R. 16 ☐ East ☑ West County: Pawnee

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Electric Log Submitted Electronically (If no, Submit Copy)	☑ Yes	☐ No

List All E. Logs Run:
Attached

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Topeka	2981	-1005
Heebner	3334	-1358
Lansing	3440	-1464
Base Kansas City	3672	-1696
Viola	3712	-1736
Arbuckle	3799	-1823
Total Depth	3925	-1949

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.250	8.625	23	979	60/40 Poz mix	450	2%gel-3%cc
Production	7.875	5.5	15.5	3891	AA2	200	2%gel-3%cc

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD _✓_ Plug Off Zone	3845-3852	AA-2	12	2%CC
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3835-37	TCP	3835-37
2	3849-52	TCP-Sqz 12 Sx AA-2 wash out to 3845'	3849-52

TUBING RECORD: Size: 2.375 Set At: 3837 Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 06/20/2011

Producing Method: ☑ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	1		300		2			

DISPOSITION OF GAS:
☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. (Submit ACO-5) ☐ Commingled (Submit ACO-4)
☐ Other (Specify)

PRODUCTION INTERVAL:
3835-37

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Fleske 1-13
Doc ID	1064960

All Electric Logs Run

Dual Induction
Compensated Density Neutron
Micro
Sonic
Cement Bond

ALLIED CEMENTING CO., LLC. 038692

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Great Bend KS

(2-12-11)

DATE 2-11-11	SEC. 13	TWP. 21S	RANGE 16W	CALLED OUT	ON LOCATION	JOB START 1200	JOB FINISH 1230 AM
LEASE Fleske	WELL # 1-13		LOCATION Lanned 3 East To RD 70			COUNTY Pawnee	STATE KS
OLD OR (NEW) (Circle one)			1/2 South 1/4 west North into				

CONTRACTOR Sterling Rig 2
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 983
CASING SIZE 8 5/8 23# DEPTH 982.79
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 42.26
CEMENT LEFT IN CSG. 42.26
PERFS.
DISPLACEMENT 60.50 BBLS

OWNER Shelby Resources

CEMENT

AMOUNT ORDERED 450 SX 60/40 3%cc + 2% Gel + 1/4 # Flo seal Per SX

EQUIPMENT

PUMP TRUCK # 366 CEMENTER Wayne
HELPER Bob-R
BULK TRUCK # 344 DRIVER Kevin-R
BULK TRUCK # DRIVER

COMMON	270	@ 13.50	3,645.00
POZMIX	180	@ 7.55	1,359.00
GEL	8	@ 20.25	162.00
CHLORIDE	15	@ 51.50	772.50
ASC		@	
Flo Seal	112	@ 2.45	274.40
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	450	@ 2.25	1012.50
MILEAGE	450 x 144 x .10		630.00
		TOTAL	7,855.40

REMARKS:

Ran 8 5/8 Casing. Ran 8 5/8 insert
Drop Ball Circulate with Rig
Mud Shut Down
Hook up To Cement line
Mix 450 SX 60/40 3%cc + 2% Gel
+ 1/4 # Flo seal Per SX Shut Down
Release Plug. Displace 60.50 BBLS
Fresh water Land Plug at 800 PSI.
Release and Held. Cement
did Circulate. Rig Down

SERVICE

DEPTH OF JOB	982.79		
PUMP TRUCK CHARGE			1159.00
EXTRA FOOTAGE		@	
MILEAGE	14	@ 7.00	98.00
MANIFOLD		@	
		@	
		@	
		TOTAL	1257.00

CHARGE TO: Shelby Resources
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

		@	
1 8 5/8 Insert		@ 158.00	158.00
1 8 5/8 Rubber Plug		@ 74.00	74.00
		@	
		@	

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or

ALLIED CEMENTING CO., LLC. 038693

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend KS

DATE 2-12-11	SEC. 13	TWP. 21S	RANGE 16W	CALLED OUT	ON LOCATION	JOB START 1100 AM	JOB FINISH 1200 PM
LEASE Fleske	WELL # 1-13		LOCATION Larned 3 East RD 70			COUNTY Pawnee	STATE KS
OLD OR (NEW) (Circle one)			3/4 South west Northinto				

CONTRACTOR Sterling Rig 2
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 983
CASING SIZE 8 5/8 DEPTH
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER Shelby Resources

CEMENT

AMOUNT ORDERED 300 SX 60/40 3%cc + 2% Gel + 1/4 #Poseal
Used 200 SX

COMMON	120	@ 13.50	1620.00
POZMIX	80	@ 7.55	604.00
GEL	3	@ 20.25	60.75
CHLORIDE	6	@ 51.50	309.00
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	200	@ 2.25	450.00
MILEAGE	200x14x.10	280.00	300.00
		TOTAL	3.343.75

EQUIPMENT

PUMP TRUCK # 366 CEMENTER Wayne - David
HELPER Bob
BULK TRUCK # 344 DRIVER Kevin
BULK TRUCK # DRIVER

REMARKS:

Surface Cement Fell
Ran 60 Feet 1inch pipe
mix 200 SX 60/40 3%cc + 2% Gel
+ 1/4 #Poseal

SERVICE

DEPTH OF JOB
PUMP TRUCK CHARGE 991.00

EXTRA FOOTAGE		@	
MILEAGE	14.	@ 7.00	98.00
MANIFOLD		@	
		@	
		@	

TOTAL 1089.00

CHARGE TO: Shelby Resources
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or

SIC services, L.P.

TREATMENT REPORT

LBT-Resources	Lease No.		Date
Fleske	Well # 1-13		02-18-11

Ticket #	Station	Casing	Depth	County	State
11	Pratt KS	5 1/2	3896'	Pawnee	KS

Job	Formation	Legal Description
CNW 5 1/2 Longstring		13-21-16

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 3896'	Depth	From	To	Pre Pad	Max		5 Min.
Volume 92	Volume	From	To	Pad	Min		10 Min.
Max Press 2000	Max Press	From	To	Frac	Avg		15 Min.
Well Connection FC	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 3861/60	Packer Depth	From	To	Flush	Gas Volume		Total Load

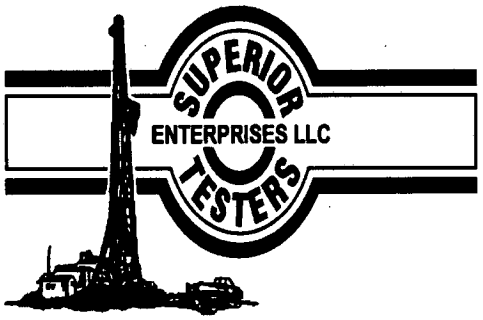
Customer Representative	Station Manager	Treater
	Dave Scott	Robert Sullivan

Service Units	19866	33708	20925	19960	19918							
Driver Names	Sullivan	Melson		Phyle								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1300					On loc Safety meeting
					Run 94 jts 5 1/2 # 15.5 csg.
					Basket 1, 3, 5, 8
1615					Casing on Bottom
1625					Hook Rig To circ csg.
1730	150		13	4	Mix 50 sk 60/40 poz cmt 8% gel 1/4# flo-seal
				5.5	Mix Tail 150 sk AA-2 cmt
			36		cmt mixed Shut down, wash, Pump, Lines
					Release Plug
1748	150			6	St Disp
	300		59		Lift Bp
	700			4	Slow Rate
1805	1800		92		Plug down
			5	2	Plug R.H w/ 30 sk
			4		Plug M.H. w/ 20 sk.
					Job Complete
					Thank you

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656



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

DRILL STEM TEST REPORT

Captiva Energy II LLC

445 Union BLVD. Suite 208
Lakew ood 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

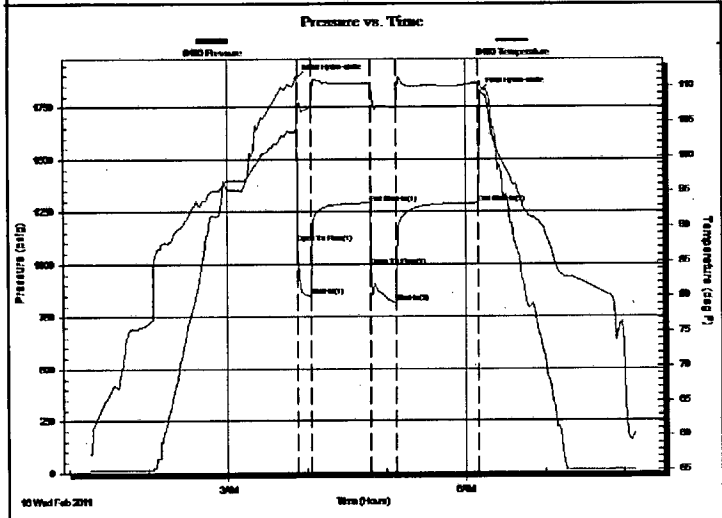
Reference Elevations: 1976.00 ft (KB)
1965.00 ft (CF)
KB to GR/CF: 11.00 ft

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
Lakew ood 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/

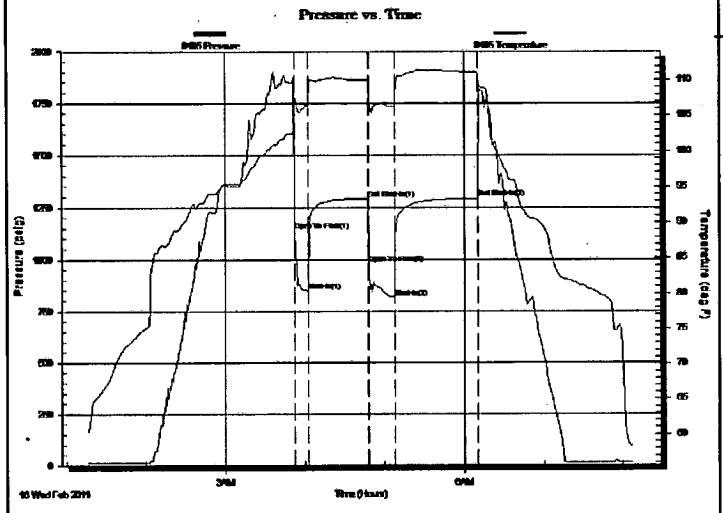
Interval: 3750.00 ft (KB) To 3813.00 ft (KB) (TVD)
Total Depth: 3813.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1976.00 ft (KB)
1965.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8405 **Inside**
Press@RunDepth: 1297.59 psig @ 3808.47 ft (KB)
Start Date: 2011.02.16 End Date: 2011.02.16
Start Time: 01:16:00 End Time: 08:08:27

Capacity: 5000.00 psig
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
Lakew ood 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 betw een 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 w hen w e hit a bridge but it closed w hen w e feel through the bridge/the bridge w as 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		
Hydrolic 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

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

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	1.00 inches				

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

445 Union BLVD. Suite 208
Lakew ood 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

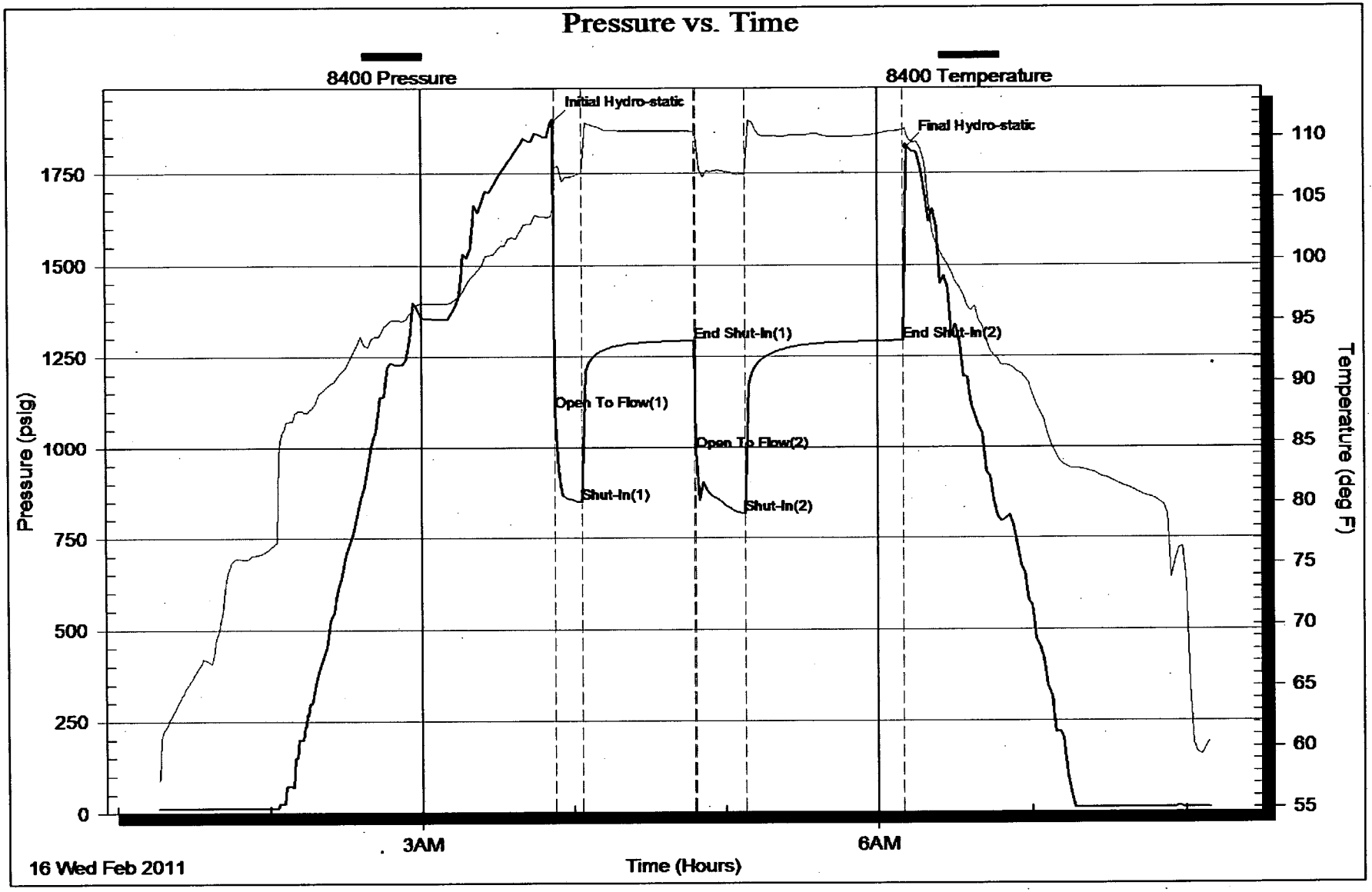
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

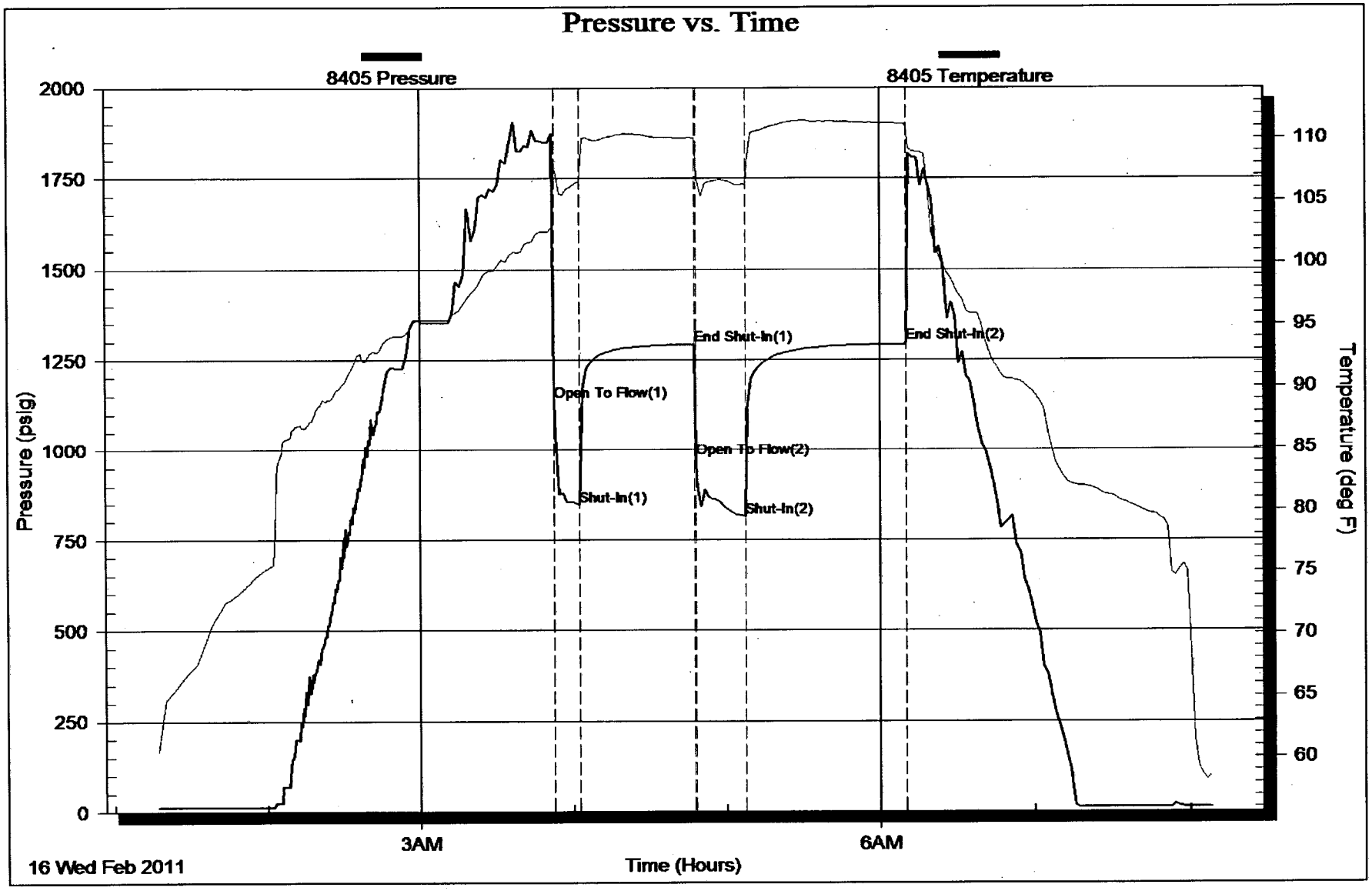
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	5	1.00	109.75	3155.18
2	5	1.00	109.75	3155.18
2	10	1.00	126.47	3636.01
2	15	1.00	136.75	3931.40

Serial #: 8400 **Outside** Captiva Energy II LLC 13/21S/16W Pawnee DST Test Number: 1

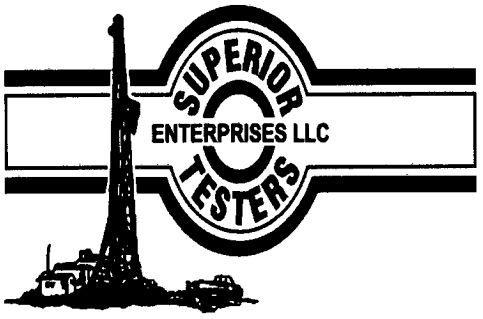


Superior Testers Enterprises LLC Ref. No: 15655 Printed: 2011.02.16 @ 21:01:05

Serial #: 8405 **Inside** Captiva Energy II LLC 13/21S/16W Pawnee DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 15655 Printed: 2011.02.16 @ 21:01:06



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

DRILL STEM TEST REPORT

Captiva Energy II LLC

445 Union BLVD. Suite 208
Lakew ood 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

Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan E Ellis
Unit No: 3345/Great Bend/45

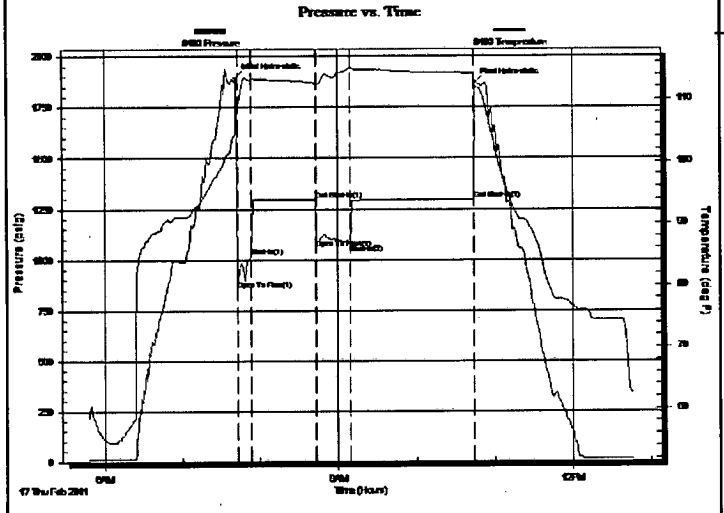
Interval: 3827.00 ft (KB) To 3845.00 ft (KB) (TVD)
Total Depth: 3845.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

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 trong 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 w ere 31,000.0	0.00
0.00	Gravity of Oil corrected w ere 37	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Captiva Energy II LLC

445 Union BLVD. Suite 208
Lakew ood 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

Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan E Ellis
Unit No: 3345/Great Bend/45

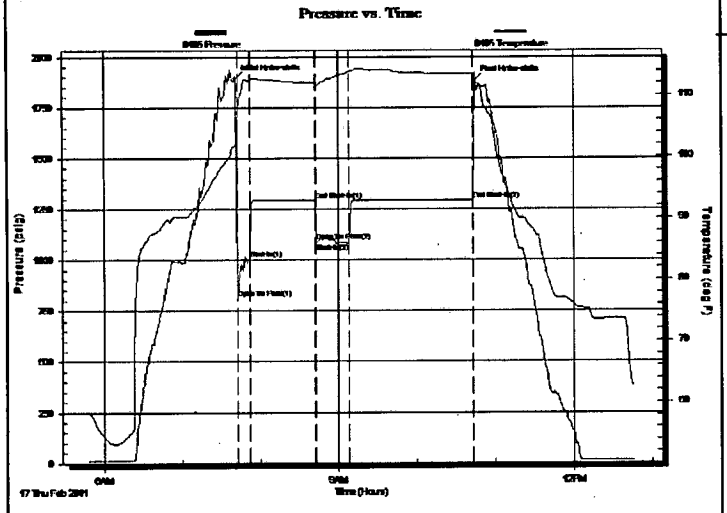
Interval: 3827.00 ft (KB) To 3845.00 ft (KB) (TVD)
Total Depth: 3845.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1976.00 ft (KB)
1965.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8405 **Inside**
Press@RunDepth: 1295.07 psig @ 3841.00 ft (KB)
Start Date: 2011.02.17 End Date: 2011.02.17
Start Time: 05:48:00 End Time: 12:47:56

Capacity: 5000.00 psig
Last Calib.: 2011.02.17
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 trong 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	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 w ere 31,000.0	0.00
0.00	Gravity of Oil corrected w ere 37	0.00

Gas Rates

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

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: 15656 **DST#: 2**

Test Start: 2011.02.17 @ 05:48:00

Tool Information

Drill Pipe:	Length:	3567.00 ft	Diameter:	3.80 inches	Volume:	50.04 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	259.04 ft	Diameter:	2.25 inches	Volume:	1.27 bbl	
					Total Volume:	51.31 bbl	

Drill Pipe Above KB:	27.04 ft
Depth to Top Packer:	3827.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	18.00 ft
Tool Length:	46.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	11000.00 lb
Tool Chased	7.00 ft
String Weight: Initial	76000.00 lb
Final	80000.00 lb

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		
Hydrolic 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	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	31000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	1.00 inches				

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

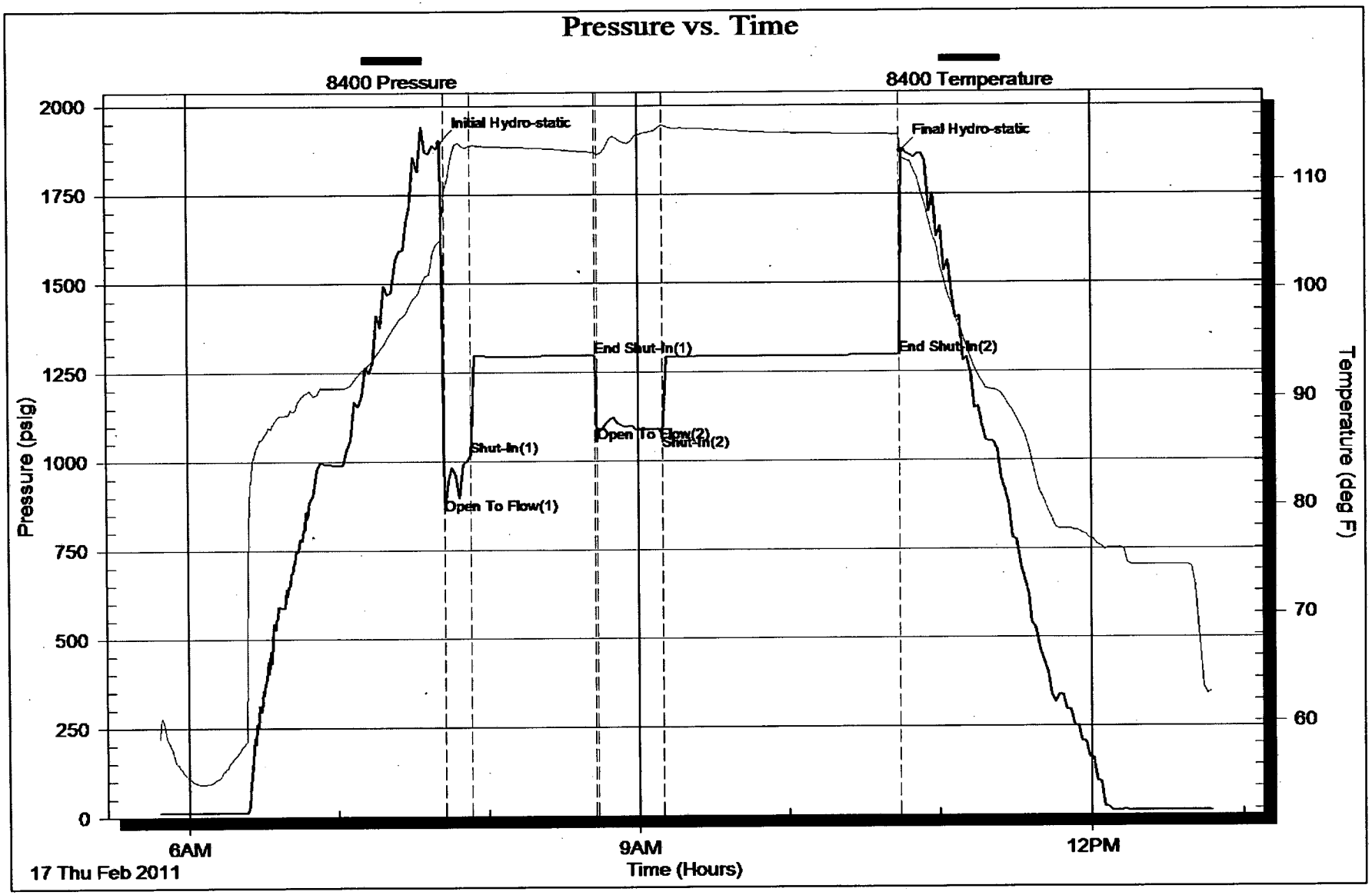
Total Length: 582.00 ft Total Volume: 5.804 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

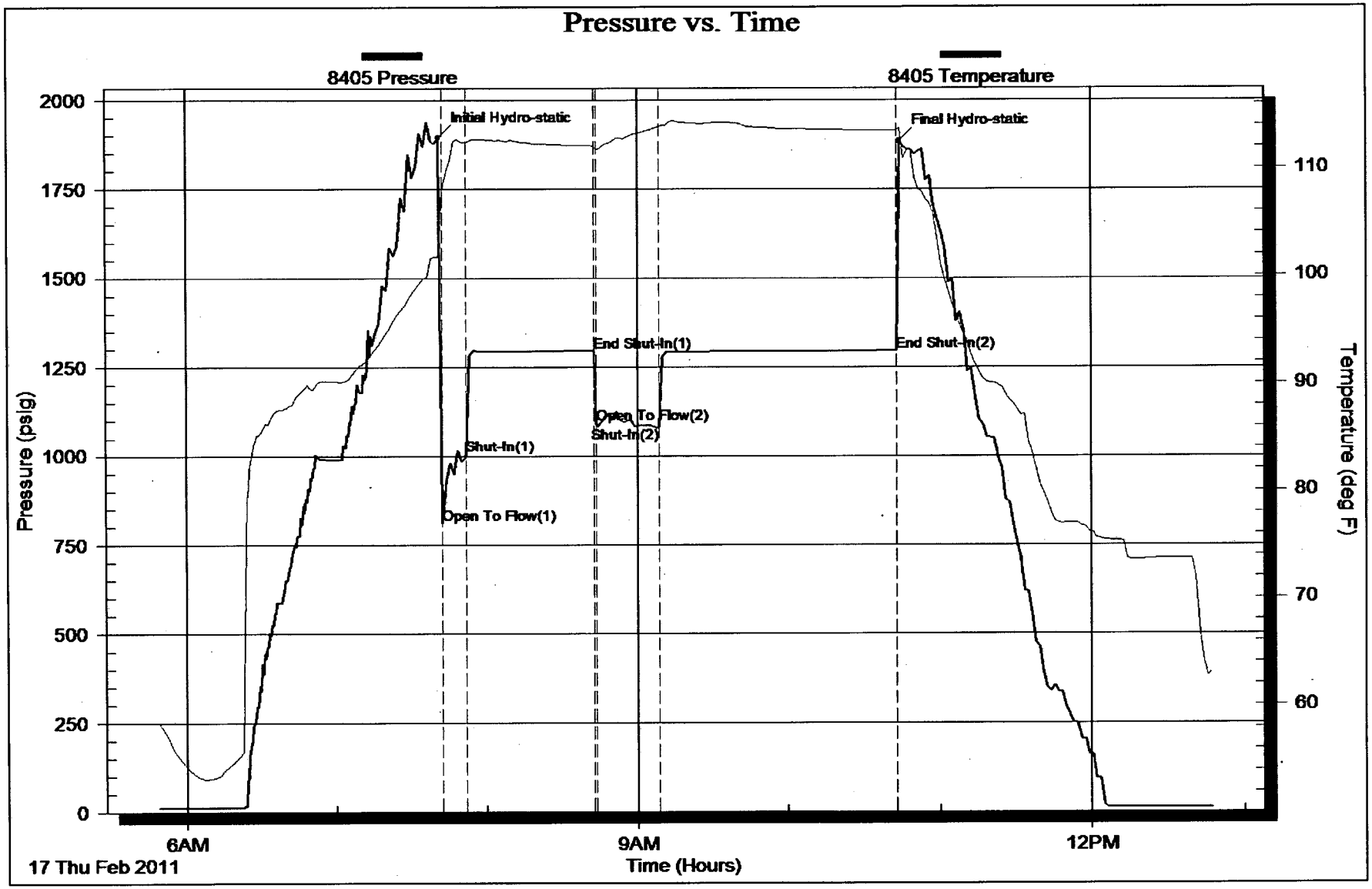
Recovery Comments: Thank you for the work! Also very nice well !

Serial #: 8400 **Outside** Captiva Energy II LLC 13/21S/16W Pawnee DST Test Number: 2



Superior Testers Enterprises LLC Ref. No: 15656 Printed: 2011.02.17 @ 13:36:29

Serial #: 8405 **Inside** Captiva Energy II LLC 13/21S/16W Pawnee DST Test Number: 2



Superior Testers Enterprises LLC Ref. No: 15656 Printed: 2011.02.17 @ 13:36:29

CAPTIVA II, LLC

Fleske #1-13/Casing Report **API# *15-145-21631-00-00***

NE-NW-SE
2310' FSL & 1650' FEL
Sec. 13, T21s-R16w
Pawnee County, Kansas

GL: 1965'
KB: 1976'

2/11/2011 **Surface Casing**

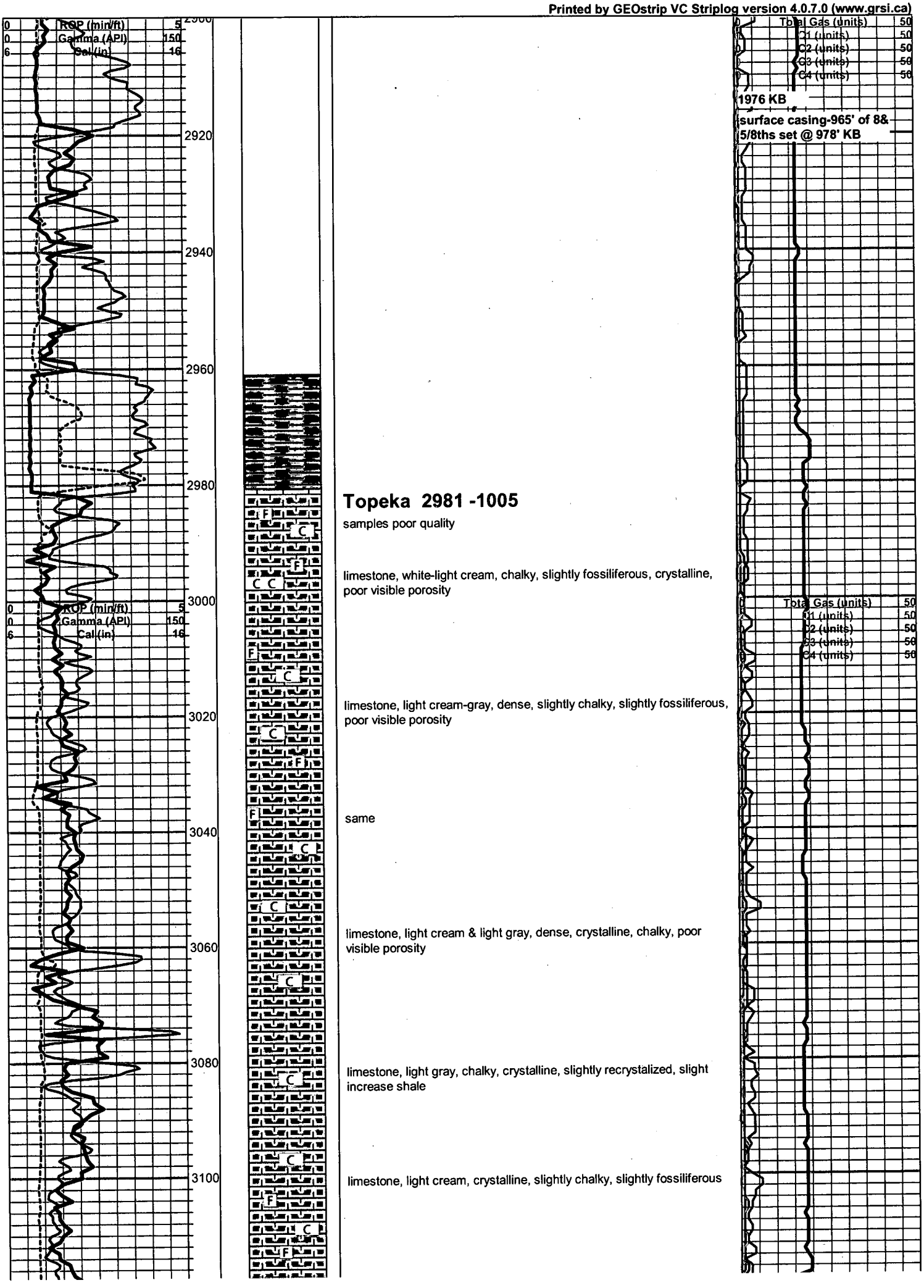
Spud at 9:30 a.m. on 2/10/11. Drill 12¼" hole to 983'. Ran 24 joints of new 8 5/8"-23# casing, tallied 965.79' and set at 978.79' KB. Cemented by Allied Cementing with 450 sx 60/40 Poz 2% gel, 3% CC, ¼# Floseal, cement did circulate. Plug down at 12:30 a.m. a.m. welded straps on the bottom 3 joints, collars on the next two joints and welded straps on the top 5 joints.

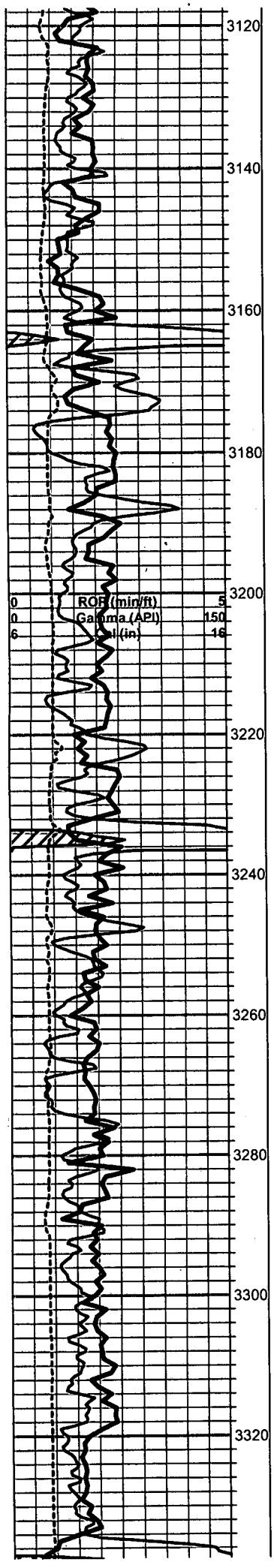
Cement fell at least 100',

Call Mr. Richard Lacey (KCC) and he recommended the use of 1" tubing. RIH with 1" down the annulus and stacked out at 60'. Try to wash down and only made 3' and stacked out on hard cement. RU Allied and cement annulus with additional 200 sx 60/40 Poz. 2% gel, 3% CC. cement did circulate to the cellar.

2/18/11 **Production Casing**

On location @ 2:00 p.m. RIH with drill pipe and condition the hole. Laying down drill pipe and collars, Begin running 93 joints 5 ½" (15.5#) S-55 casing. Shoe joint was 21.16'. Insert @ 3869.56'. Marker joint was 6 joints off bottom and measured 21.17'. Set casing @ 3890.72' KB. Landed casing 34.28' off RTD 3925' and LTD, 3927'. Ran a basket and insert on top of #1 and centralizers on, #2, #4, #6 and #9. Landed casing @ 4:00 p.m. (2/18/11) Circulate hole for 60 minutes to lower viscosity in mud. RU Basic Services, plug RH with 30 sx. and MH with 20 sx. Mix and pump 50 sx 60/40 Poz-Mix as scavenger flush, followed by 150 sx AA-2 cement down casing. Had good circulation throughout the job. Plug down @ 6:15 p.m. and held 1500#. Release pressure and float held. Release Sterling Rig #2 @ 8:30 p.m.





limestone, light cream to cream-gray, dense, chalky, fossiliferous, visible porosity

same, fossiliferous, slightly recrystalized, visible scattered porosity, white chalk

King Hill 3162 -1186 black carbonaceous shale

limestone, light gray-cream, dense, slightly chalky, slightly fossiliferous, visible porosity, slight chert

same

no sample

limestone, light cream, dense, crystalline, slightly fossiliferous, poor visible porosity, slightly cherty

Queen Hill 3232 -1256 black carbonaceous shale

limestone, light gray, dense, slightly chalky, slightly recrystalized, poor visible porosity, slightly cherty

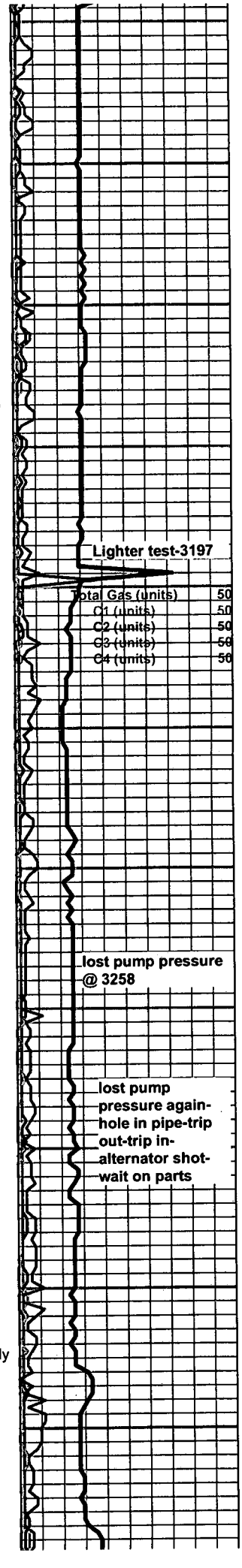
limestone, light gray & light cream, dense, chalky, crystalline, slightly fossiliferous, poor visible porosity, slightly cherty

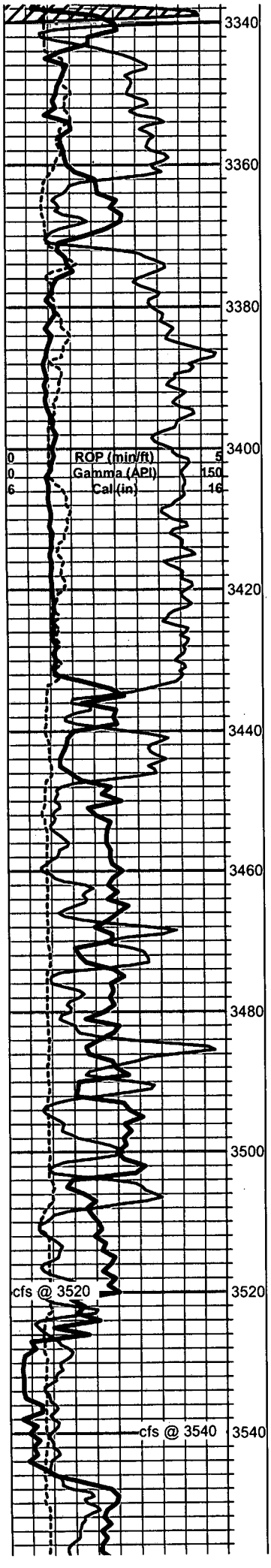
limestone, light gray & gray-cream, dense, slightly chalky, slightly fossiliferous, crystalline, poor visible porosity

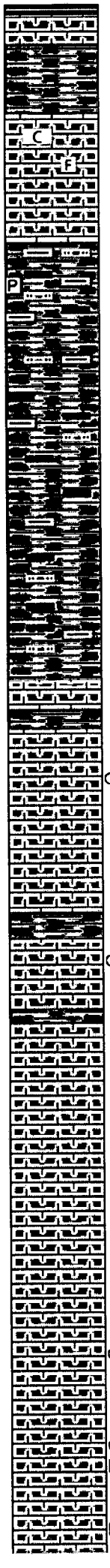
limestone, light cream-gray, slightly chalky, slightly fossiliferous, slightly recrystalized, poor visible porosity

limestone, light cream, dense, crystalline, slightly fossiliferous, scattered visible porosity, increase gray shales

Heebner 3334 -1358 black carbonaceous shale







black carbonaceous shale

shale, gray

Toronto 3353 - 1377

limestone, white-light cream-gray, slightly chalky, slightly fossiliferous, crystalline, poor porosity

Douglas 3371 -1395

vari-colored shales, gray, green, red-brown, green-gray,some slightly micaceous, slight pyrite

same increase red-brown

same, increase light gray & gray micaceous, ? slightly sandy

Brown Lime 3433 -1457

limestone, cream-light brown, dense, fine crystalline, slightly fossiliferous, slightly recrystalized, very poor visible porosity

Lansing 3440 -1464

limestone, white-light cream, dense, chalky, slightly fossiliferous, poor visible porosity and few samples light gray-cream, dense, crystalline, slightly chalky, slightly fossiliferous, scattered pin-point porosity, questionable trace stain, questionable odor when broken

limestone, white-light cream, dense, fine crystalline, slightly recrystalized, slightly fossiliferous, poor visible porosity, ns noted

B zone 3470 -1494

limestone, light cream-cream, dense, slightly chalky, recrystalized slightly fossiliferous, few samples with scattered pin-point porosity, stain, trace free oil & odor when broken, very pale fluorescence

limestone, white-light cream, dense, fine crystalline, slightly recrystalized fossiliferous, slightly chalky, poor vis porosity, ns

limestone, white-light gray, dense, slightlychalky, slightly recrystalized fossiliferous, poor visible porosity, slightly cherty

limestone, light gray-cream, slightly chalky, crystalline, fossiliferous, poor visible porosity, some white chalk, slightly cherty

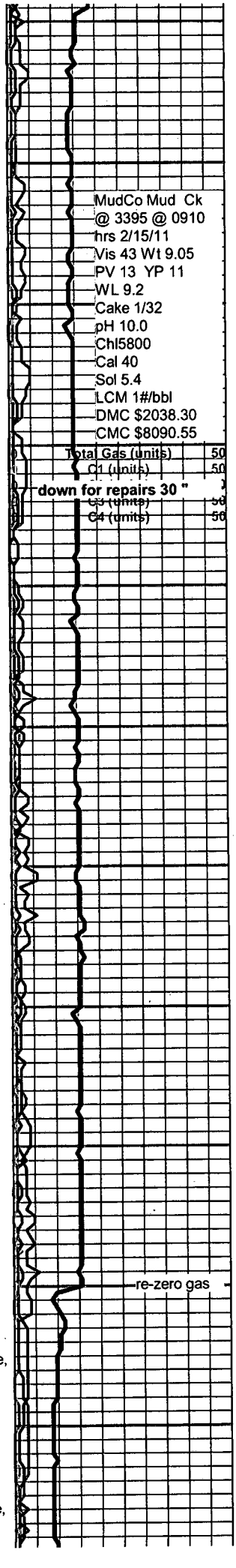
limestone, white-light gray-cream, chalky, slightly recrystalized foss/oomoldic, poor visible porosity, increase chert, ns noted

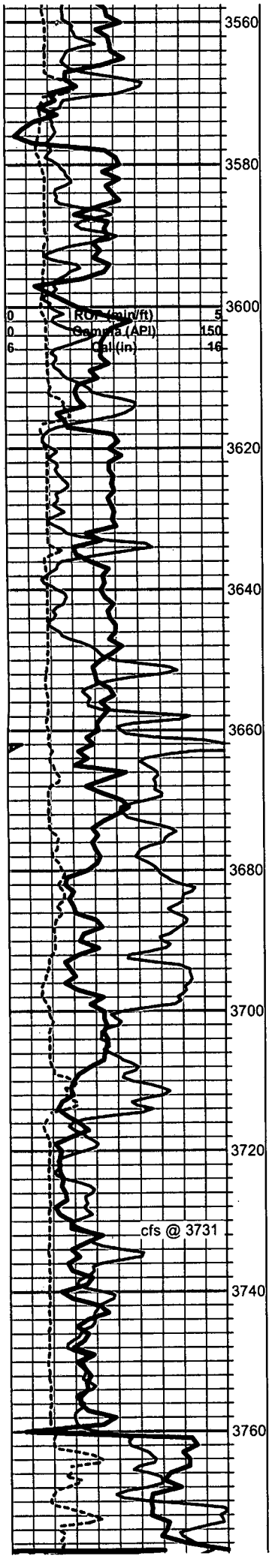
limestone, light cream & light gray, dense, slightly chalky, slightly recrystalized ooc/oomoldic-some with scattered stain and free oil visible, dark heavy to brown oil, increase when broken, faint odor, poor visible porosity, shows mainly in oocasts, dull fluorescence

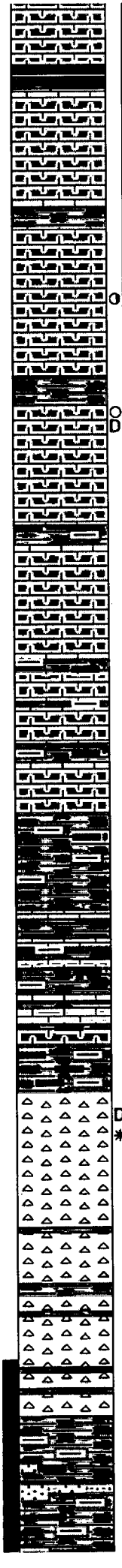
60" cirs-same less show

as above, few stain and dead oil stain

limestone, light gray-cream, dense, chalky, less ooc/oomoldic as above, less porosity, few scattered dead oil stain







limestone, light gray & light cream, dense, fine crystalline, slightly chalky, slightly recrystalized, few scattered oocasts, slightly cherty, poor visible porosity, ns noted

shale, dark gray-black

H zone 3570 -1594

limestone, light cream-light gray, dense, fine crystalline, slightly recrystalized fos/oomoldic, poor visible porosity, white chalk, ns

limestone as above, less porosity visible, increase white chalk

limestone, white-light cream, dense, slightly chalky, recrystalized, fossiliferous, poor visible porosity, ns noted

limestone, light cream-gray, slightly chalky, crystalline, slightly fossiliferous recrystalized, scattered pin-point porosity w/dark brown-black stain, trace free oil & odor when broken

limestone, white-light gray, dense, slightly chalky, crystalline, slightly ooc/oomoldic recrystalized, few dead stains, poor visible porosity, white chalk

same as above, ns

Stark Shale 3631-1655 shale, dark gray, red, green

limestone, white-light gray-light cream, dense, chalky, crystalline, slightly recrystalized, slightly fossiliferous, poor visible porosity, ns noted

limestone, light cream-gray, dense, crystalline, slightly fossiliferous, poor visible porosity, ns with increase in gray, red green shales

limestone, light cream-gray, dense, crystalline, slightly fossiliferous, poor visible porosity, ns with increase in gray, red green shales

Base Kansas City 3672 -1696

influx shales, light & dark gray, green, green-gray, few red, some micacaeous

same, few lime stringers

increase red shales and chalky limes

Viola 3712 -1736

chert, white, opaque with black dead oil stain, some with gas when broken, fluorescence on white areas of chert, no free oil or odor noted, few yellow chert with stain as above, % of shows decrease in 60" circ spl

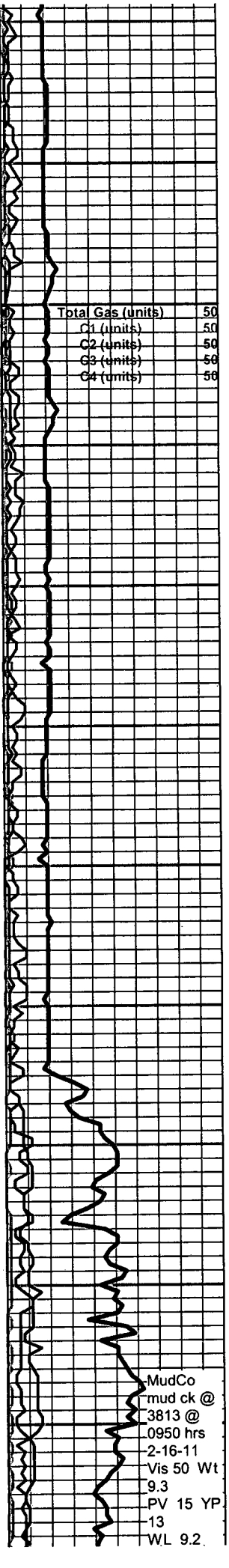
chert as above, increase yellow, amber & tan opaque, scattered dead oil stains

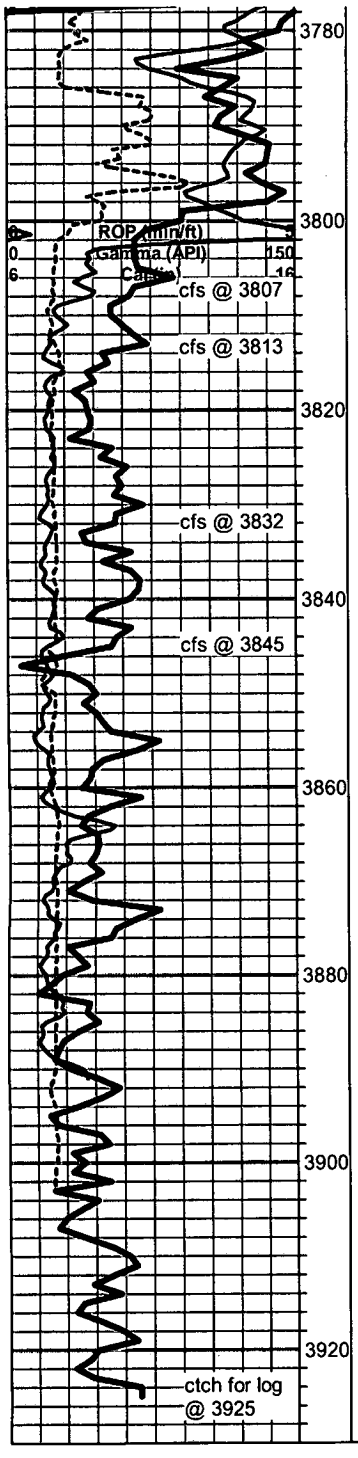
same, increase in white opaque as above, scattered dead oil stains

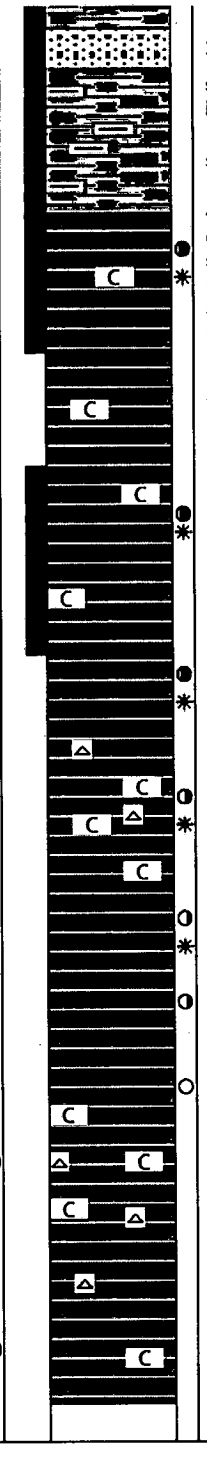
Simpson Shale 3758 -1782

influx shales, gray, green marine, few maroon

same, increase green marine, few redish-brown sandy shales







Simpson Sand 3780 -1804

sandstone, white-clear,calcareous matrix,very dirty with shale incluisions, (1) cluster with heavy, tarry, free oil, odor when broken

shales, increase in green

Arbuckle 3799 -1823

dolomite, light cream & pink-cream, very fine sucrosic, slightly chalky, some fine sucrosic to granular, very light scattered, spotty stain, gas bubbles with good strong odor and trace very light free oil when broken, strong odor with rainbow specks in cup, good bright fluorescence, brighter in darker stained areas-3807 circ spls

3813 circ spls-same as above, slight increase in granular dolomite & visible free oil, same odor, fluorescence, gas shows, staining

Resume drilling @ 2330 hrs on 02-16-2011

3832-circ spls - same as above except some dolomite white, slight increase in visible porosity, increase in size, fine instead of very fine, aslo a few scattered vugs visible

3845 circ spls-dolomite, light cream, slightly chalky, slightly recrystalized fine-medium sub-rhombic, light brown stain with brown free oil visible in porosity, free oil, slightly gassy with good odor when broken, few with slight bleed
Also dolomite, light cream, chalky, recrystalized, oocastic, light stain few with free oil visible, few gassy free oil when broken, good odor, all spls with pale, bright, spotty, scattered fluorescence

Resume drilling @ 1800 hrs on 02-17-2011

3845-55-dolo, ooc, shows aa w/lt crm, dse, xtaln, rextalized, lt stn w/ trc free oil & gas w/broken w/odor, scatt fl

3855-60-dolo, wht-lt crm, dse, sli chlky, f-med, rextalized gran, free oil vis, lt scatt stn, free oil & gas w/broken w/odor, brite scatt fluor, sli chrty

3860-72-lg influx wht chlk, dolo, wht-lt gray, dse, f-med rextalized coarse sucr, lt stn, scatt vis specks free oil, sli free oil & gas w/broken, scatt fl

3872-84-dolo, lt-dk crm, dse, f rextalized gran, trc stn, scatt fl

3884-92- dolo, dse, lt crm& lt gy, f-med, rextalized, sucr-gran,? trc stn, few scatt brite fl, mostly even mineral fl

3892-3900-influx wht chlk & wht dolo, dse, f sucr, ns, only min fl

3900-10-dolo, lt crm, dse, f xtaln, sli rextalized, ns, chlky, sli chrty

3910-20-dolo, wht, dse, vf xtaln, sli rextalized, sli ooc, ns, sli chrty

3820-25-dolo, crm, dse, md-crse, xtaln, sli chlky & wht dse xtaln,ns

Rotary Total Depth 3925 -1949