KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1100140

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: 445 Union Boulevard
Address 2: Suite 208
City: LAKEWOOD State: CO Zip: 80228 + _ _ _ _
Contact Person: Chris Gottschalk
Phone: (785) 623-1524
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Charlie Sturdavant
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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 #:

08/22/2012	08/30/2012	08/30/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-145-21684-00-00
Spot Description:
NE - SW - NW - NE Sec. 2 Twp. 22 S. R. 16 [ ] East [x] West
847 Feet from [x] North / [ ] South Line of Section
2069 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[x] NE [ ] NW [ ] SE [ ] SW
County: Pawnee
Lease Name: WFYOG Well #: 1-2
Field Name:
Producing Formation: N/A
Elevation: Ground: 2005 Kelly Bushing: 2014
Total Depth: 4050 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1005 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: 26000 ppm Fluid volume: 1000 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Shelby Resources/Captiva II
Lease Name: Eakin License #: 31725
Quarter SE Sec. 7 Twp. 22 S. R. 16 [ ] East [x] West
County: PawnMarmaton 3788 -1772e Permit #: D-30,939-1-1772772

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: 11/08/2012

Side Two

1100140

Operator Name: Shelby Resources LLC Lease Name: WFYOG Well #: 1-2

Sec. 2 Twp. 22 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
Heebner	3406	-1390
Lansing	3527	-1511
Base KC	3767	-1751
Marmaton	3788	-1772
Simpson Shale	3876	-1860
Arbuckle	3946	-1930

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	12.25	8.625	24	1005	60/40 Poz	400	2% gel/ 3% cc

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

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

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

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

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

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:

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

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	WFYOG 1-2
Doc ID	1100140

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 791
Cell 785-324-1041

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 8-22-12	2	22	16	Pawnee	KS		10:30 p.m.
Lease WF Yo 6	Well No. 1-2			Location Larned 5 on 4 Hwy west 8 1/2 N into			

Contractor Sterling Drilling #2		Owner	
Type Job Surface		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Hole Size 12 1/4	T.D. 1006		
Csg. 8 5/8	Depth 992	Charge To Shelby Resources	
Tbg. Size	Depth	Street	
Tool	Depth	City State	
Cement Left in Csg. 34.52	Shoe Joint 34.52	The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line	Displace 60 3/4 BC	Cement Amount Ordered 400 60/40 3%cc 2%gel 1/4#flow	

EQUIPMENT

Pumptrk 16	No.	Cementer Craig	
		Helper	
Bulktrk	No.	Driver Travis	
		Driver	
Bulktrk 12	No.	Driver Levi	
		Driver	

JOB SERVICES & REMARKS

Remarks:	
Rat Hole	
Mouse Hole	
Centralizers	
Baskets	
D/V or Port Collar	
8 5/8 on bottom Est Circulation Mix 400 sk + Displace Plug. Cement Circulated Plug landed @ Latch.	

Common 240	
Poz. Mix 160	
Gel. 8	
Calcium 16	
Hulls	
Salt	
Flowseal 100#	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling 426	
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8 5/8 Baffle Plate
Baskets	Rubber Plug
AFU Inserts	
Float Shoe	1 Slick 8 5/8 Guide Shoe
Latch Down	
Pumptrk Charge	Long Surface
Mileage 32	
Tax	
Discount	
Total Charge	

X Signature

ALLIED OIL & GAS SERVICES, LLC 053881

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

SERVICE POINT:
Medicine Lodge KS

DATE 08-30-12	SEC. 02	TWP. 22S	RANGE 16W	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 7:00am
LEASE WFY 06	WELL # 1-2		LOCATION 28 1/2 E 19 sct, 17 1/2 - west to Rd 80 in Pawnee Co, 3/4 N, W & N/into			COUNTY Pawnee	STATE KS
OLD OR NEW (Circle one)							

8.3 bbl
1.03

CONTRACTOR Sterling #2
TYPE OF JOB Rotary Plug
HOLE SIZE 7 7/8 T.D.
CASING SIZE 8 5/8 DEPTH 1005'
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 16.6# DEPTH 3960'
TOOL DEPTH
PRES. MAX MINIMUM —
MEAS. LINE SHOE JOINT N/A
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT Fresh H2O & Drilling Mud

OWNER Captiva II

EQUIPMENT

PUMP TRUCK CEMENTER D. Felio 1
#548-545 HELPER H. Piper 2
BULK TRUCK Jake
#356-290 DRIVER T. Lentz / J. Heard 3
BULK TRUCK
DRIVER

CEMENT

AMOUNT ORDERED 220sx 60:40:4% gel + 1/4# Flosea

COMMON Class A	132sx	@ 16.25	2145.00
POZMIX	88sx	@ 8.50	748.00
GEL	8sx	@ 21.25	170.00
CHLORIDE		@	
ASC		@	
Flosea	55#	@ 2.70	148.50
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	236.26	@ 2.10	496.14
MILEAGE	9.87.24 .26		603.06
		TOTAL	4310.70

256.62

REMARKS:

Cement Did Circ. -

THX ☺

SERVICE

DEPTH OF JOB	3960'		
PUMP TRUCK CHARGE			1250.00
EXTRA FOOTAGE		@	
MILEAGE	26	@ 7.00	182.00
MANIFOLD	N/A	@	
Light Vehicle	26	@ 4.00	104.00
		@	
		TOTAL	1536.00

CHARGE TO: Captiva II
STREET 445 Union Blvd, Suite #208
CITY Lakewood STATE Co. ZIP 80228

PLUG & FLOAT EQUIPMENT

NONE		@	
		@	
		@	
		@	
		@	
		TOTAL	

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)	485.29	
TOTAL CHARGES	5846.58	
DISCOUNT 20%	1169.32	IF PAID IN 30 DAYS
	4677.26	

PRINTED NAME Ovidio Martinez

SIGNATURE

Serial # 6806

Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)
	472.0	77.19	87.8
	473.5	73.08	87.9
	475.0	48.54	88.1
	476.5	48.47	88.2
	478.0	48.45	88.2
	479.5	44.96	88.3
	481.0	46.14	88.3
	482.5	46.15	88.3
	484.0	39.04	88.4
	485.5	31.85	88.5
	487.0	31.62	88.9
	488.5	31.59	89.0
	490.0	16.13	89.5
	491.5	16.03	89.8
	493.0	16.07	89.9
	494.5	13.64	89.1
	496.0	13.92	86.8
	497.5	14.11	80.1
	499.0	13.75	77.3
	500.5	13.74	78.0
	501.5	13.28	79.5

Printing every 3 samples

Serial # 6806				Serial # 6806			
Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)
	354.5	995.24	107.7		410.5	1292.21	96.4
	356.0	1003.65	107.7		412.0	1193.79	95.5
	357.5	1011.38	107.7		413.5	1201.11	94.4
	359.0	1018.85	107.7		415.0	1168.47	94.0
	360.5	1025.84	107.8		416.5	1102.88	93.3
	362.0	1032.54	107.8		418.0	1077.31	92.9
	363.5	1038.80	107.8		419.5	1000.26	92.6
	365.0	1044.88	107.8		421.0	989.03	92.2
	366.5	1050.57	107.8		422.5	957.37	92.0
	368.0	1055.95	107.9		424.0	900.99	92.0
	369.5	1061.16	107.9		425.5	912.04	91.9
	371.0	1065.95	107.9		427.0	907.08	91.9
	372.5	1070.71	107.9		428.5	906.78	91.9
	374.0	1075.27	107.9		430.0	906.46	91.9
	375.5	1079.45	108.0		431.5	867.40	91.9
	377.0	1083.61	108.0		433.0	870.02	92.0
	378.5	1087.65	108.0		434.5	864.45	91.9
	379.5	1090.14	108.0		436.0	857.56	91.9
	380.0	1082.44	108.0		437.5	832.77	91.9
End Shut-In(2)	380.5	1080.81	108.0		439.0	806.71	91.9
	381.0	1729.69	107.8		440.5	774.92	91.9
Final Hydro-static	381.5	1710.24	107.9		442.0	701.51	91.9
	382.0	1702.06	107.9		443.5	682.58	91.6
	383.5	1685.98	108.0		445.0	651.60	91.7
	385.0	1673.60	108.0		446.5	565.48	91.6
	386.5	1666.81	108.0		448.0	559.31	91.7
	388.0	1637.70	108.0		449.5	501.02	86.9
	389.5	1660.87	107.8		451.0	469.06	85.1
	391.0	1645.57	107.5		452.5	438.93	85.0
	392.5	1648.39	107.5		454.0	376.44	85.3
	394.0	1535.29	107.1		455.5	350.25	85.6
	395.5	1594.07	107.3		457.0	280.63	86.1
	397.0	1484.67	106.0		458.5	259.32	86.9
	398.5	1559.71	105.4		460.0	228.46	87.5
	400.0	1439.65	104.6		461.5	172.81	87.8
	401.5	1396.91	103.5		463.0	135.40	87.9
	403.0	1358.45	101.4		464.5	136.24	87.9
	404.5	1364.59	100.1		466.0	136.20	87.9
	406.0	1379.23	99.3		467.5	105.93	87.9
	407.5	1301.62	98.4		469.0	105.92	87.8
	409.0	1324.59	97.2		470.5	97.76	87.8

Printing every 3 samples

Serial # 6806				Serial # 6806			
Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)
	236.5	104.88	104.7		293.0	136.76	106.1
	238.0	106.11	104.7		294.5	145.37	106.2
	239.5	103.02	104.7		296.0	154.83	106.2
	241.0	106.38	104.8		297.5	165.50	106.2
	242.5	108.14	104.8		299.0	177.25	106.3
	244.0	108.91	104.8		300.5	190.59	106.3
	245.5	109.37	104.9		302.0	205.51	106.4
	247.0	109.80	104.9		303.5	222.75	106.4
	248.5	110.50	105.0		305.0	242.38	106.4
	250.0	111.23	105.0		306.5	264.73	106.5
	251.5	106.11	105.0		308.0	289.99	106.5
	253.0	109.62	105.1		309.5	318.43	106.6
	254.5	110.04	105.1		311.0	349.84	106.6
	256.0	112.20	105.2		312.5	383.96	106.7
	257.5	113.81	105.2		314.0	420.65	106.7
	259.0	112.85	105.2		315.5	458.29	106.8
	260.5	112.78	105.3		317.0	496.13	106.8
	262.0	113.26	105.3		318.5	533.23	106.9
	263.5	113.75	105.4		320.0	568.70	106.9
	265.0	113.47	105.4		321.5	602.74	106.9
	266.5	114.23	105.4		323.0	634.44	107.0
	268.0	114.92	105.5		324.5	664.22	107.0
	269.5	115.55	105.5		326.0	692.08	107.1
	271.0	115.73	105.6		327.5	717.96	107.1
	272.5	116.13	105.6		329.0	742.61	107.1
	274.0	116.64	105.6		330.5	765.38	107.2
	275.5	117.34	105.7		332.0	786.81	107.2
	277.0	117.80	105.7		333.5	807.30	107.3
	278.5	117.84	105.8		335.0	826.44	107.3
	280.0	118.57	105.8		336.5	844.47	107.3
	281.5	119.79	105.8		338.0	861.78	107.3
	283.0	119.82	105.9		339.5	877.78	107.4
	284.5	119.82	105.9		341.0	892.96	107.4
	286.0	120.11	106.0		342.5	907.44	107.4
	287.5	121.04	106.0		344.0	920.56	107.5
	289.0	120.82	106.0		345.5	933.40	107.5
	289.5	121.41	106.0		347.0	945.50	107.5
Shut-In(2)	290.0	121.44	106.1		348.5	956.60	107.6
	290.5	123.70	106.1		350.0	967.12	107.6
	291.0	126.16	106.1		351.5	977.18	107.6
	291.5	128.76	106.1		353.0	986.42	107.6

Printing every 3 samples

Serial # 6806				Serial # 6806			
Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)
	129.5	1734.19	102.2		180.0	141.62	102.7
	131.0	1716.08	102.3		181.5	153.92	102.8
	132.5	1705.67	102.3		183.0	168.26	102.9
	134.0	1696.83	102.4		184.5	184.97	102.9
	135.5	1700.99	102.4		186.0	204.51	103.0
	137.0	1699.24	102.4		187.5	228.12	103.0
	138.5	1706.70	102.4		189.0	256.49	103.1
	139.0	1704.84	102.4		190.5	290.29	103.2
	139.5	1702.63	102.3		192.0	330.22	103.3
Initial Hydro-static	140.0	1744.36	102.3		193.5	375.90	103.3
	140.5	1739.09	102.4		195.0	426.36	103.4
Open To Flow (1)	141.0	67.99	102.0		196.5	479.02	103.5
	141.5	69.75	102.0		198.0	530.74	103.5
	143.0	74.33	101.9		199.5	580.81	103.6
	144.5	76.77	101.9		201.0	627.61	103.7
	146.0	79.54	101.9		202.5	671.05	103.7
	147.5	80.84	101.9		204.0	711.46	103.8
	149.0	82.65	101.9		205.5	748.77	103.9
	150.5	84.36	101.9		207.0	782.87	103.9
	152.0	85.13	101.9		208.5	814.80	104.0
	153.5	79.51	102.0		210.0	844.13	104.0
	155.0	81.07	102.0		211.5	870.84	104.1
	156.5	82.55	102.0		213.0	895.96	104.2
	158.0	83.46	102.0		214.5	918.72	104.2
	159.5	84.04	102.1		216.0	939.68	104.3
	161.0	84.91	102.1		217.5	958.67	104.3
	162.5	85.48	102.1		219.0	976.22	104.4
	164.0	86.20	102.2		220.5	992.21	104.4
	165.5	86.71	102.2		222.0	1006.90	104.5
	167.0	87.37	102.3		223.5	1020.34	104.5
	168.5	87.95	102.3		225.0	1032.71	104.6
	170.0	88.64	102.4		226.5	1044.05	104.7
	170.5	88.68	102.4		228.0	1054.49	104.7
Shut-In(1)	171.0	89.67	102.4		228.5	1057.73	104.7
	171.5	91.82	102.4	End Shut-In(1)	229.0	1060.95	104.7
	172.0	94.17	102.4		229.5	123.84	104.4
	172.5	96.47	102.4	Open To Flow (2)	230.0	96.50	104.5
	174.0	103.85	102.5		230.5	97.95	104.5
	175.5	111.86	102.6		232.0	100.81	104.6
	177.0	120.81	102.6		233.5	102.28	104.6
	178.5	130.54	102.7		235.0	103.33	104.6

Printing every 3 samples

Weatherford®
Completion Systems

DRILL STEM TESTING - DATA LISTING

CAPTIVA

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-3 WFYOG

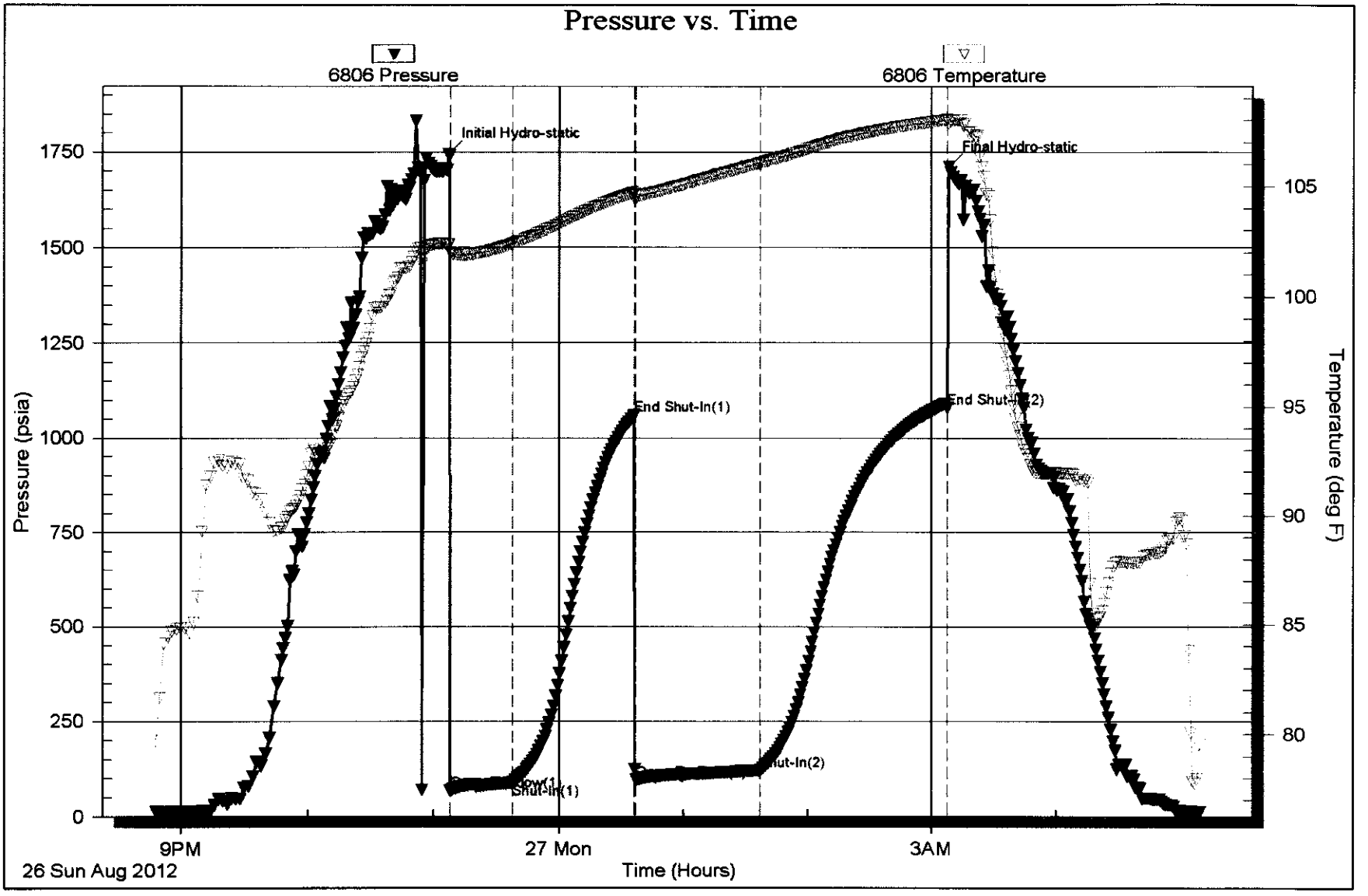
Job Ticket: 17730 **DST#: 1**

Test Start: 2012.08.26 @ 20:46:48

Serial # 6806				**Serial # 6806**			
Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psia)	Temp. (deg F)
	1.0	13.75	79.7		80.0	948.68	92.9
	4.0	13.74	83.5		81.5	997.84	93.0
	7.0	13.80	84.4		83.0	1019.53	93.2
	10.0	13.73	84.8		84.5	1050.12	93.7
	13.0	13.68	84.8		86.0	1115.75	94.0
	16.0	13.65	84.8		87.5	1142.28	94.5
	19.0	13.60	85.1		89.0	1169.20	95.0
	22.0	13.62	86.9		90.5	1241.75	95.2
	25.0	15.09	91.4		92.0	1263.11	95.5
	28.0	30.67	92.3		93.5	1355.05	95.7
	31.0	46.33	92.5		95.0	1408.21	96.0
	34.0	36.50	92.1		96.5	1358.00	96.5
	37.0	47.31	92.4		98.0	1385.31	97.1
	40.0	46.59	92.4		99.5	1525.45	97.5
	43.0	76.69	91.7		101.0	1477.25	98.0
	46.0	106.87	91.0		102.5	1533.60	98.5
	49.0	143.65	91.0		104.0	1571.32	99.5
	52.0	134.79	90.7		105.5	1560.03	99.5
	55.0	206.55	89.7		107.0	1550.63	99.5
	58.0	319.64	89.2		108.5	1552.65	99.5
	60.5	412.08	89.4		110.0	1580.58	99.8
	62.0	454.96	89.6		111.5	1597.27	100.1
	63.5	501.43	89.9		113.0	1616.04	100.5
	65.0	564.41	90.2		114.5	1635.26	100.7
	66.5	636.76	90.3		116.0	1650.82	101.1
	68.0	651.28	90.6		117.5	1638.01	101.3
	69.5	744.38	90.9		119.0	1628.50	101.3
	71.0	742.63	91.3		120.5	1663.96	101.4
	72.5	776.38	91.8		122.0	1680.67	101.5
	74.0	837.80	92.5		123.5	1691.79	101.8
	75.5	868.64	93.1		125.0	1713.46	102.1
	77.0	975.45	92.9		126.5	1699.99	102.2
	78.5	957.83	92.9		128.0	61.10	101.7

Printing every 3 samples

Serial #: 6806 CAPTIVA #1-3 WFYOG DST Test Number: 1



ALPINE OIL SERVICES CORPORATION Ref. No: 17730 Printed: 2012.08.26 @ 20:59:56

Weatherford®
Completion Systems

DRILL STEM TEST REPORT

FLUID SUMMARY

CAPTIVA

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-3 WFYOG

Job Ticket: 17730 **DST#: 1**

Test Start: 2012.08.26 @ 20:46:48

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:	41.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.60 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	66000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	MUD 100% MUD	0.148
120.00	OILY CUT MUD 3%OIL 97 %MUD	0.590

Total Length: 150.00 ft Total Volume: 0.738 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

DRILL STEM TEST REPORT

TOOL DIAGRAM

CAPTIVA

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-3 WFYOG

Job Ticket: 17730 **DST#: 1**

Test Start: 2012.08.26 @ 20:46:48

Tool Information

Drill Pipe:	Length:	3258.00 ft	Diameter:	3.88	inches	Volume:	47.65	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	240.00 ft	Diameter:	2.25	inches	Volume:	1.18	bbl	
						Total Volume:	48.83	bbl	

Drill Pipe Above KB:	2.00 ft	Tool Weight:	2000.00 lb
Depth to Top Packer:	3524.00 ft	Weight set on Packer:	20000.00 lb
Depth to Bottom Packer:	ft	Weight to Pull Loose:	70000.00 lb
Interval betw een Packers:	57.00 ft	Tool Chased	0.00 ft
Tool Length:	85.00 ft	String Weight: Initial	66000.00 lb
Number of Packers:	2 Diameter: 6.75 inches	Final	68000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
S.I. Tool	5.00			3501.00		
HYD S.I. Tool	5.00			3506.00		
Jars	6.00			3512.00		
Safety Joint	2.00			3514.00		
Packer	5.00			3519.00	28.00	Bottom Of Top Packer
Packer	5.00			3524.00		
Perforations	5.00			3529.00		
C.O. Sub	0.75			3529.75		
DRILL PIPE	31.50			3561.25		
C.O. Sub	0.75			3562.00		
Perforations	14.00			3576.00		
Recorder	1.00			3577.00		
Recorder	1.00			3578.00		
Bullnose	3.00			3581.00	57.00	Bottom Packers & Anchor
Total Tool Length:	**85.00**					

DRILL STEM TEST REPORT

Weatherford®
Completion Systems

CAPTIVA

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-3 WFYOG

Job Ticket: 17730 **DST#: 1**

Test Start: 2012.08.26 @ 20:46:48

GENERAL INFORMATION:

Formation: **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:07:48
Time Test Ended: 05:08:18

Test Type: Conventional Bottom Hole (Initial)
Tester: DAVID
Unit No: 3345 49 M RT

Interval: **ft (KB) To** **ft (KB) (TVD)**
Total Depth: 3581.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

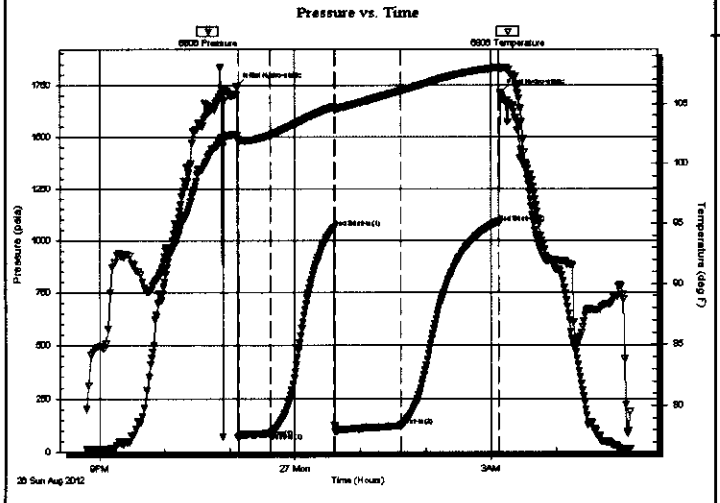
Reference Elevations: 1997.00 ft (KB)
1986.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6806

Press@RunDepth: 121.44 psia @ ft (KB)
Start Date: 2012.08.26 End Date: 2012.08.27
Start Time: 20:46:48 End Time: 05:08:18

Capacity: 5000.00 psia
Last Calib.: 2012.08.26
Time On Btm: 2012.08.26 @ 23:06:48
Time Off Btm: 2012.08.27 @ 03:08:18

TEST COMMENT: 30-INITIAL OPENING WEAK BLOW BUILT TO 6 INCHES INTO WATER
60-INITIAL SHUT IN VERY WEAK SURFACE
60-FINIAL OPENING WEAK BLOW BUILT TO 7 INCHES INTO WATER
90-FINIAL SHUT-IN VERY WEAK SURFACE



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1744.36	102.35	Initial Hydro-static
1	67.99	102.01	Open To Flow (1)
31	89.67	102.40	Shut-In(1)
89	1060.95	104.72	End Shut-In(1)
90	96.50	104.54	Open To Flow (2)
150	121.44	106.06	Shut-In(2)
241	1080.81	108.03	End Shut-In(2)
242	1710.24	107.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MUD 100% MUD	0.15
120.00	OILY CUT MUD 3%OIL 97 %MUD	0.59

Gas Rates

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

Weatherford®
Completion Systems

DRILL STEM TEST REPORT

Prepared For: **CAPTIVA**

445 ONION BLVD SUITE 208 LAKEWOOD
CO 80228

ATTN: CHARLIE STURDAVANT

#1-3 WFYOG

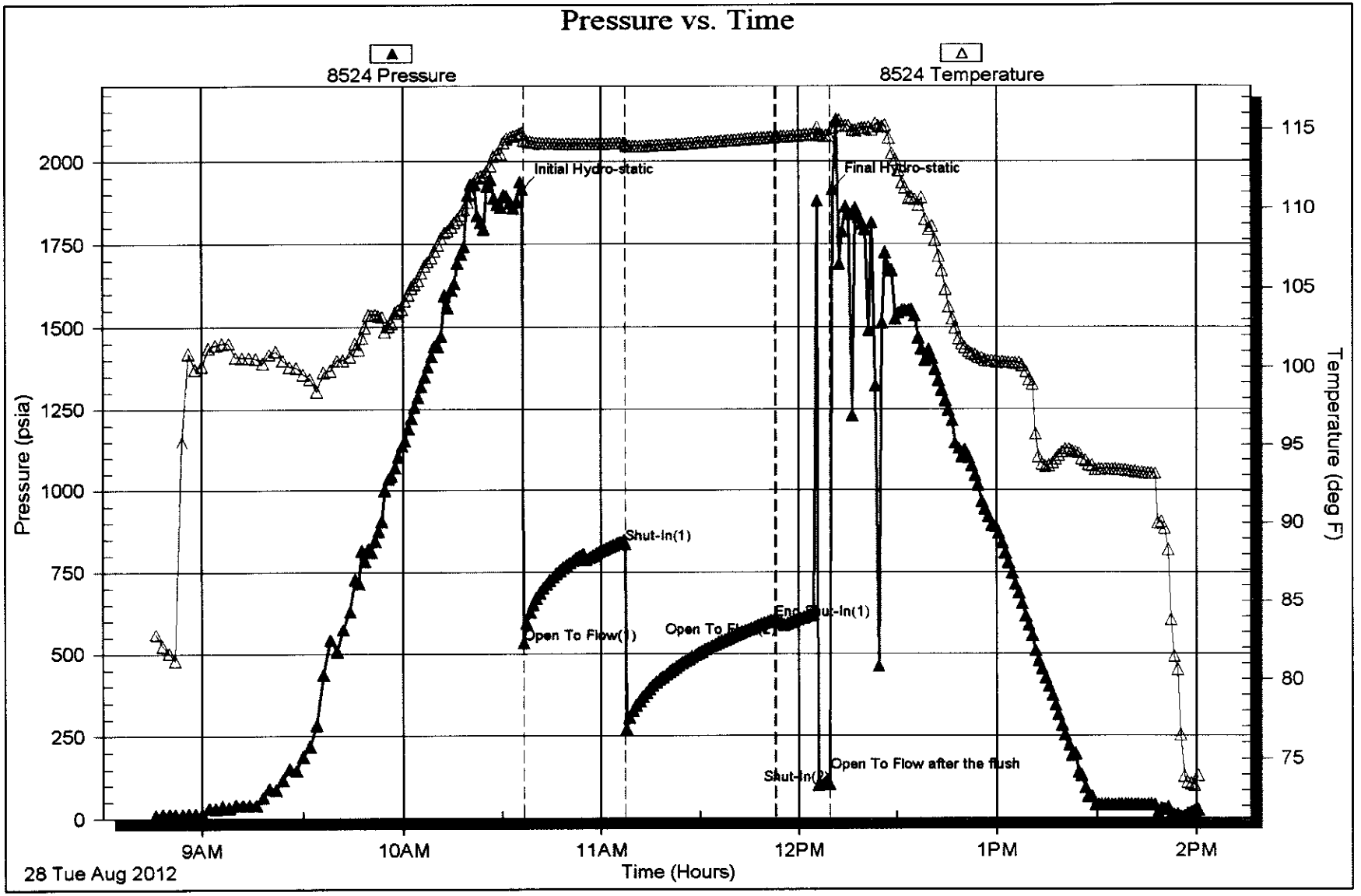
Start Date: 2012.08.26 @ 20:46:48
End Date: 2012.08.27 @ 05:08:18
Job Ticket #: 17730 DST #: 1

ALPINE OIL SERVICES CORPORATION
2460, 240 - 4 Avenue S.W. Calgary, AB. T2P 4H4
ph: 263-7800 fax: 264-7260

Printed: 2012.08.26 @ 20:59:55

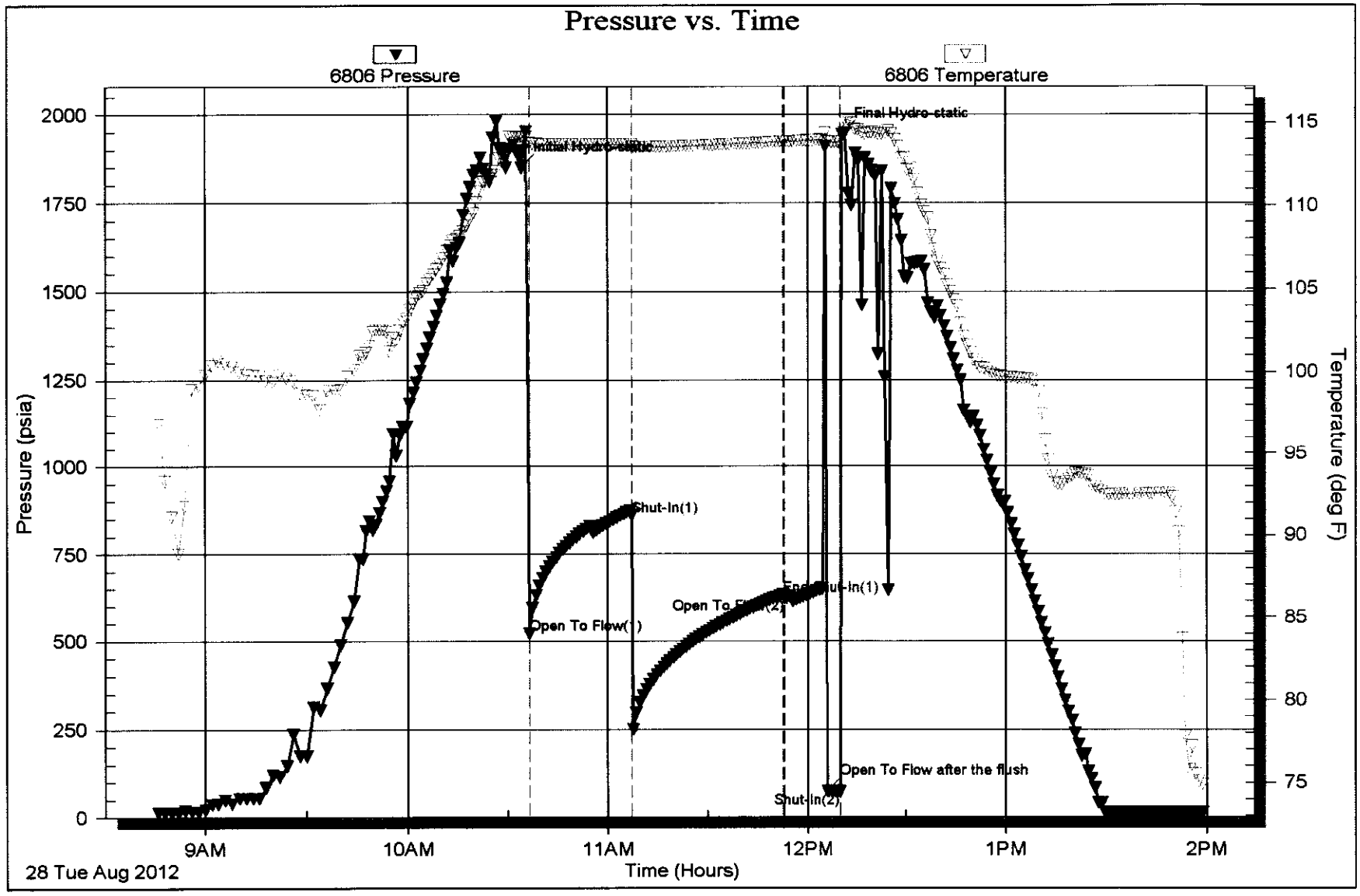
CAPTIVA #1-3 WFYOG DST # 1 LKC 2012.08.26

Serial #: 8524 **Outside** CAPTIVA II #1-2 WFYOG DST Test Number: 2



ALPINE OIL SERVICES CORPORATION Ref. No: 17731 Printed: 2012.08.28 @ 00:37:05

Serial #: 6806 **Inside** CAPTIVA II #1-2 WFYOG DST Test Number: 2



ALPINE OIL SERVICES CORPORATION Ref. No: 17731 Printed: 2012.08.28 @ 00:37:05

Weatherford®
Completion Systems

DRILL STEM TEST REPORT

FLUID SUMMARY

CAPTIVA II

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-2 WFYOG

Job Ticket: 17731 **DST#: 2**

Test Start: 2012.08.27 @ 00:00:00

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	8400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drilliong mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Weatherford®
Completion Systems

DRILL STEM TEST REPORT

TOOL DIAGRAM

CAPTIVA II

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-2 WFYOG

Job Ticket: 17731 **DST#: 2**

Test Start: 2012.08.27 @ 00:00:00

Tool Information

Drill Pipe:	Length:	3605.00 ft	Diameter:	3.80	inches	Volume:	50.57	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	180.00 ft	Diameter:	2.25	inches	Volume:	0.89	bbl	
						Total Volume:	51.46	bbl	

Drill Pipe Above KB:	5.00 ft
Depth to Top Packer:	3808.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	69.73 ft
Tool Length:	97.73 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:	85000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	66000.00 lb
Final	66000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3785.00		
Hydrolic Tool	5.00			3790.00		
Jars	6.00			3796.00		
Safety Joint	2.00			3798.00		
Packer	5.00			3803.00	28.00	Bottom Of Top Packer
Packer	5.00			3808.00		
Perforations	5.00			3813.00		
C.O. Sub	0.75			3813.75		
Drill Pipe	31.23			3844.98		
C.O. Sub	0.75			3845.73		
Perforations	27.00			3872.73		
Recorder	1.00	6806	Inside	3873.73		
Recorder	1.00	8524	Outside	3874.73		
Bullnose	3.00			3877.73	69.73	Bottom Packers & Anchor
Total Tool Length:	**97.73**					

DRILL STEM TEST REPORT

CAPTIVA II

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-2 WFYOG

Job Ticket: 17731 **DST#: 2**

Test Start: 2012.08.27 @ 00:00:00

GENERAL INFORMATION:

Formation: **Conglomerate**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3345 45

Interval: 3808.00 ft (KB) To 3878.00 ft (KB) (TVD)
Total Depth: 3878.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

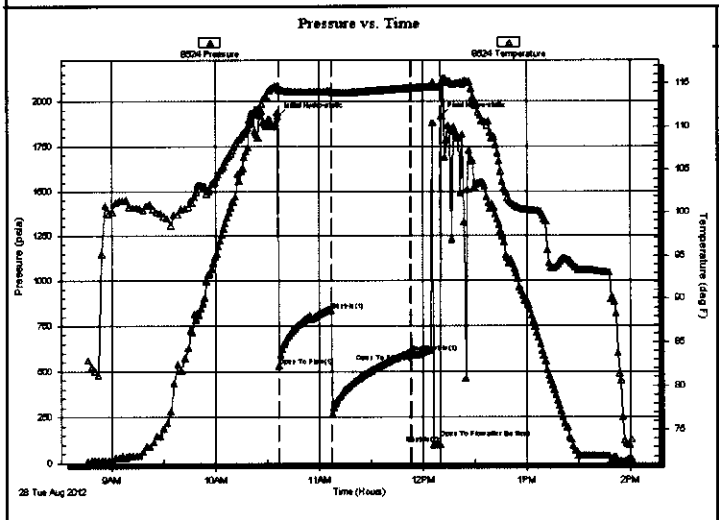
Reference Elevations: 1997.00 ft (KB)
1986.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8524 **Outside**

Press@RunDepth: 604.15 psia @ 3874.73 ft (KB)
Start Date: 2012.08.28 End Date: 2012.08.28
Start Time: 08:45:00 End Time: 14:00:30

Capacity: 5000.00 psia
Last Calib.: 2012.08.28
Time On Btm: 2012.08.28 @ 10:36:00
Time Off Btm: 2012.08.28 @ 12:10:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow for 6 minutes and died
1st Shut-In 45 Minutes-No blow back
2nd Openint 15 Minutes-No blow flushed tool after 10 minutes no help pulled the tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1915.23	114.75	Initial Hydro-static
1	531.75	114.30	Open To Flow (1)
31	835.96	114.09	Shut-In(1)
77	604.15	114.48	End Shut-In(1)
77	598.86	114.48	Open To Flow (2)
90	101.17	114.61	Open To Flow after the flush
94	101.75	114.57	Shut-In(2)
95	1917.38	115.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilliong mud	0.10

Gas Rates

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

DRILL STEM TEST REPORT

CAPTIVA II

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-2 WFYOG

Job Ticket: 17731 **DST#: 2**

Test Start: 2012.08.27 @ 00:00:00

GENERAL INFORMATION:

Formation: **Conglomerate**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3345 45

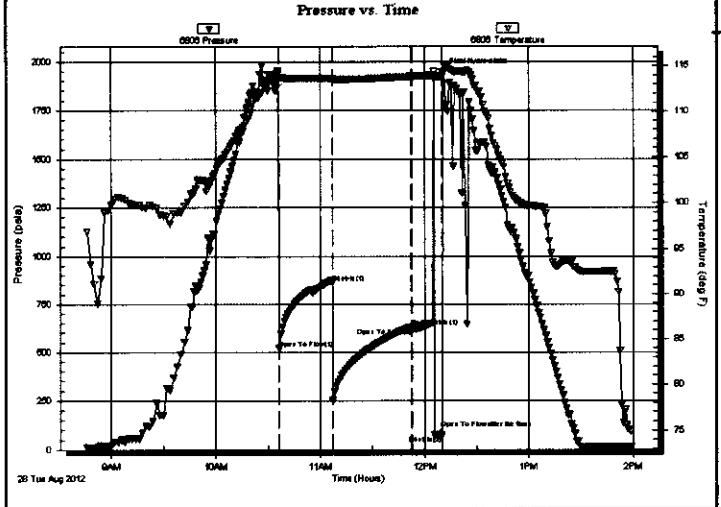
Interval: 3808.00 ft (KB) To 3878.00 ft (KB) (TVD)
Total Depth: 3878.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1997.00 ft (KB)
1986.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6806 **Inside**
Press@RunDepth: 633.10 psia @ 3873.73 ft (KB)
Start Date: 2012.08.28 End Date: 2012.08.28
Start Time: 08:45:00 End Time: 13:58:30

Capacity: 5000.00 psia
Last Calib.: 2012.08.28
Time On Btm: 2012.08.28 @ 10:34:00
Time Off Btm: 2012.08.28 @ 12:10:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow for 6 minutes and died
1st Shut-In 45 Minutes-No blow back
2nd Openint 15 Minutes-No blow flushed tool after 10 minutes no help pulled the tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1850.65	114.10	Initial Hydro-static
3	521.08	113.78	Open To Flow (1)
33	860.46	113.67	Shut-In(1)
79	633.10	113.83	End Shut-In(1)
79	624.31	113.83	Open To Flow (2)
92	74.35	113.86	Open To Flow after the flush
96	73.51	113.81	Shut-In(2)
97	1944.63	114.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilliong mud	0.10

Gas Rates

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

Weatherford®
Completion Systems

DRILL STEM TEST REPORT

Prepared For: **CAPTIVA II**

445 ONION BLVD SUITE 208 LAKEWOOD
CO 80228

ATTN: CHARLIE STURDAVANT

#1-2 WFYOG

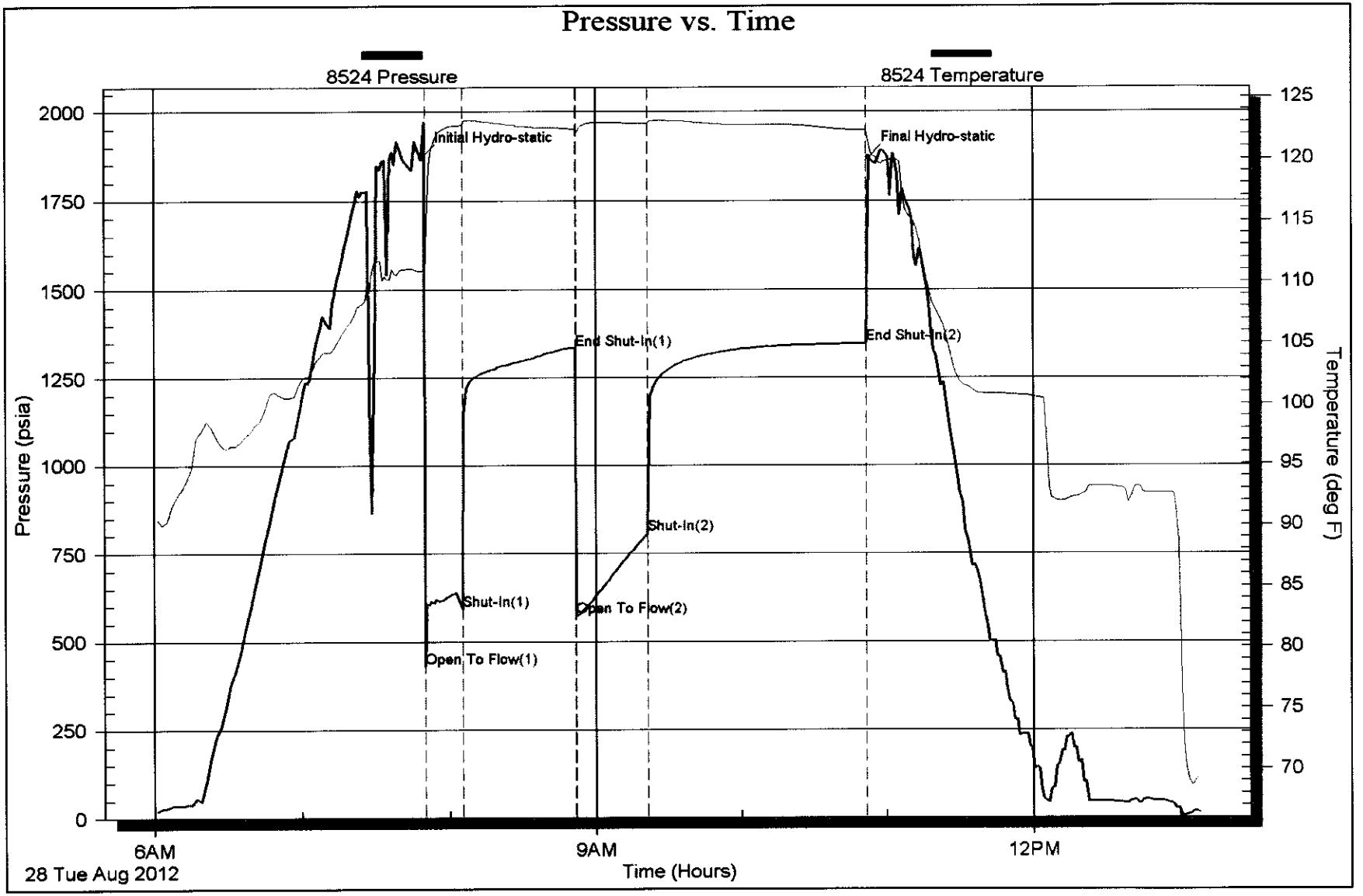
Start Date: 2012.08.27 @ 00:00:00
End Date: 2012.08.27 @ 00:00:00
Job Ticket #: 17731 DST #: 2

ALPINE OIL SERVICES CORPORATION
2460, 240 - 4 Avenue S.W. Calgary, AB. T2P 4H4
ph: 263-7800 fax: 264-7260

Printed: 2012.08.28 @ 00:37:04

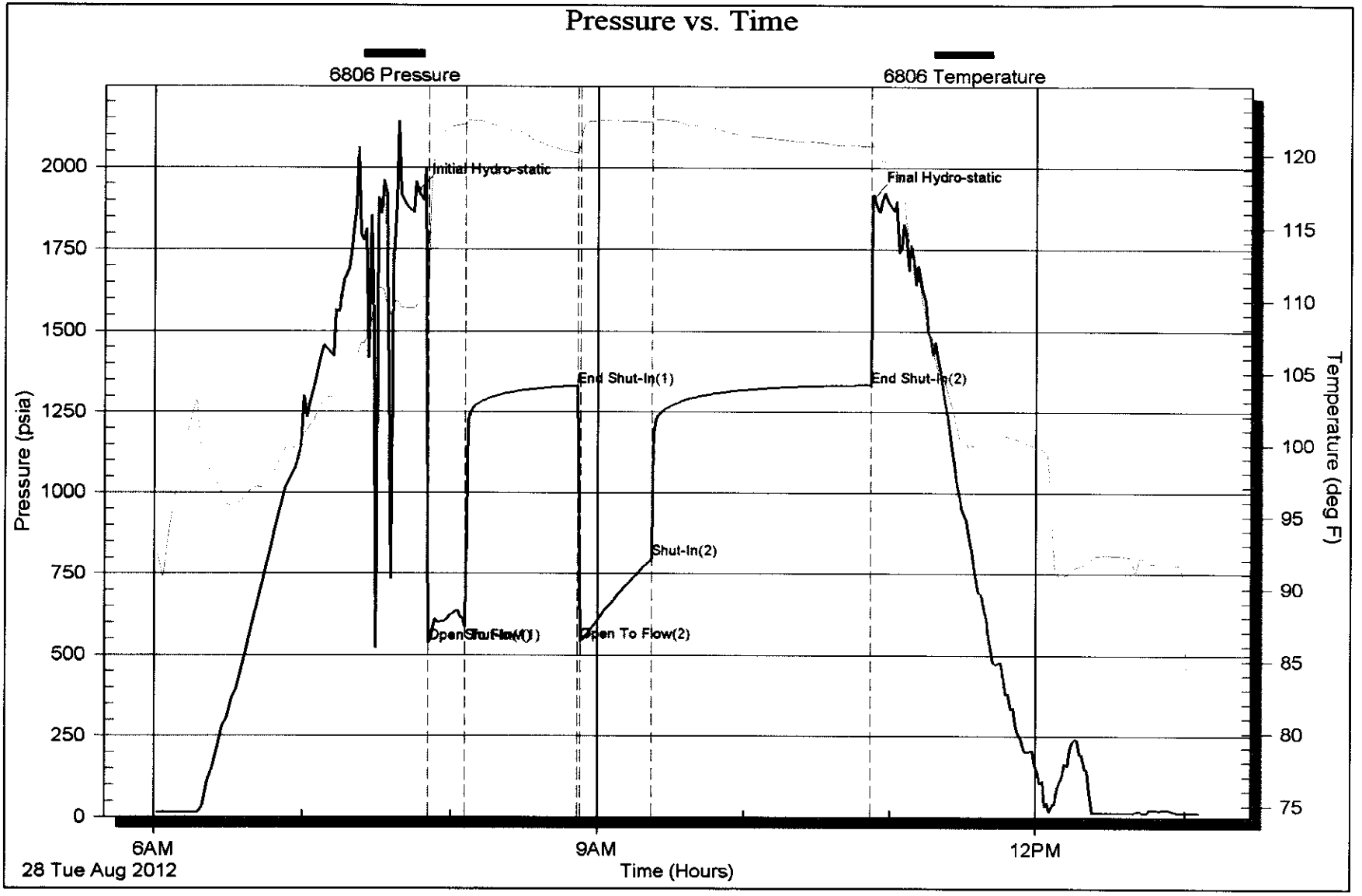
CAPTIVA II #1-2 WFYOG DST # 2 Conglomerate 2012.08.27

Serial #: 8524 **Outside** CAPTIVA II #1-2 WFYOG DST Test Number: 3



Superior Testers Enterprises LLC Ref. No: 17732 Printed: 2012.08.28 @ 23:12:46

Serial #: 6806 **Inside** CAPTIVA II #1-2 WFYOG DST Test Number: 3



Superior Testers Enterprises LLC Ref. No: 17732 Printed: 2012.08.28 @ 23:12:46

DRILL STEM TEST REPORT

FLUID SUMMARY

CAPTIVA II

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

#1-2 WFYOG

Job Ticket: 17732 **DST#: 3**

ATTN: CHARLIE STURDAVANT

Test Start: 2012.08.28 @ 00:00:00

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:	78.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	8400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	Drilling Mud 100% Mud	3.410
180.00	Water Mud 70%Mud 30%Water	2.525
180.00	Muddy Water 10%Mud 90%Water	2.525
840.00	Water 100% Chlorides 28,000	11.783
0.00	Resisitivity .28 @ 72 Degrees	0.000

Total Length: 1560.00 ft Total Volume: 20.243 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Slid tool from 3678 to T.D. Opened tool 4-5 Times picked up drilling mud each time

DRILL STEM TEST REPORT

TOOL DIAGRAM

CAPTIVA II

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

#1-2 WFYOG

Job Ticket: 17732 **DST#: 3**

ATTN: CHARLIE STURDAVANT

Test Start: 2012.08.28 @ 00:00:00

Tool Information

Drill Pipe:	Length:	3762.00 ft	Diameter:	3.80 inches	Volume:	52.77 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:	180.00 ft	Diameter:	2.25 inches	Volume:	0.89 bbl	Weight to Pull Loose:		110000.0 lb
					Total Volume:	53.66 bbl	Tool Chased		280.00 ft
Drill Pipe Above KB:		12.00 ft					String Weight:	Initial	61000.00 lb
Depth to Top Packer:		3958.00 ft						Final	66000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		8.00 ft							
Tool Length:		36.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3935.00		
Hydrolic Tool	5.00			3940.00		
Jars	6.00			3946.00		
Safety Joint	2.00			3948.00		
Packer	5.00			3953.00	28.00	Bottom Of Top Packer
Packer	5.00			3958.00		
Perforations	3.00			3961.00		
Recorder	1.00	6806	Inside	3962.00		
Recorder	1.00	8524	Outside	3963.00		
Bullnose	3.00			3966.00	8.00	Bottom Packers & Anchor
Total Tool Length:	**36.00**					

DRILL STEM TEST REPORT

CAPTIVA II

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-2 WFYOG

Job Ticket: 17732 **DST#: 3**

Test Start: 2012.08.28 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3345

Interval: 3958.00 ft (KB) To 3966.00 ft (KB) (TVD)
Total Depth: 3966.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

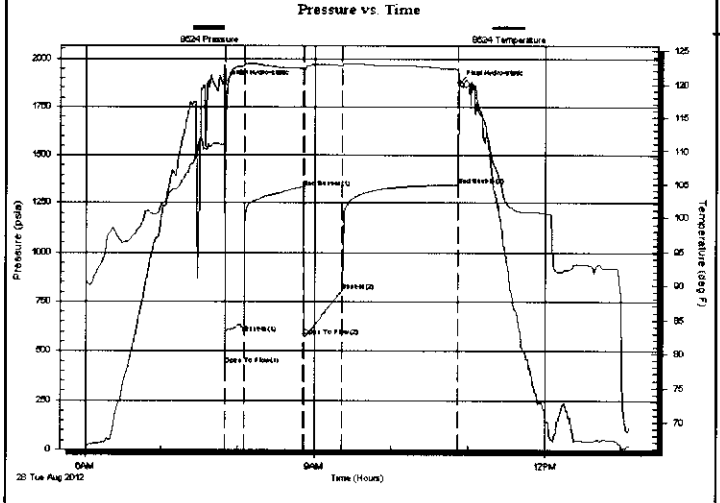
Reference Elevations: 1997.00 ft (KB)
1986.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8524 **Outside**

Press@RunDepth: 1346.84 psia @ 3963.00 ft (KB)
Start Date: 2012.08.28 End Date: 2012.08.28
Start Time: 06:00:00 End Time: 13:07:30

Capacity: 5000.00 psia
Last Calib.: 2012.08.28
Time On Btm: 2012.08.28 @ 07:48:30
Time Off Btm: 2012.08.28 @ 10:52:30

TEST COMMENT: 1st Opening 15 Minutes Fair blow built to the bottom of A 5 gallon bucket in 5 minutes
1st Shut-In 45 Minutes-No blow back
2nd Openiong 30 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 4 minutes
2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1869.74	110.84	Initial Hydro-static
2	429.15	110.40	Open To Flow (1)
17	591.10	122.73	Shut-In(1)
63	1332.62	122.33	End Shut-In(1)
64	572.33	121.99	Open To Flow (2)
93	805.40	122.82	Shut-In(2)
183	1346.84	122.26	End Shut-In(2)
184	1869.71	121.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Drilling Mud 100% Mud	3.41
180.00	Water Mud 70%Mud 30%Water	2.52
180.00	Muddy Water 10%Mud 90%Water	2.52
840.00	Water 100% Chlorides 28,000	11.78
0.00	Resisitivity .28 @ 72 Degrees	0.00

Gas Rates

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

DRILL STEM TEST REPORT

CAPTIVA II

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-2 WFYOG

Job Ticket: 17732 **DST#: 3**

Test Start: 2012.08.28 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3345

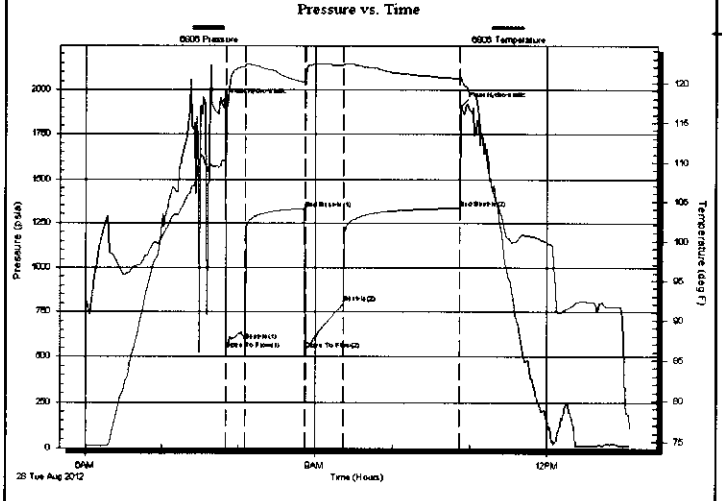
Interval: 3958.00 ft (KB) To 3966.00 ft (KB) (TVD)
Total Depth: 3966.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1997.00 ft (KB)
1986.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6806 **Inside**
Press@RunDepth: 1332.39 psia @ 3962.00 ft (KB)
Start Date: 2012.08.28 End Date: 2012.08.28
Start Time: 06:00:00 End Time: 13:06:00

Capacity: 5000.00 psia
Last Calib.: 2012.08.28
Time On Btm: 2012.08.28 @ 07:46:30
Time Off Btm: 2012.08.28 @ 10:53:00

TEST COMMENT: 1st Opening 15 Minutes Fair blow built to the bottom of A 5 gallon bucket in 5 minutes
1st Shut-In 45 Minutes-No blow back
2nd Openiong 30 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 4 minutes
2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY

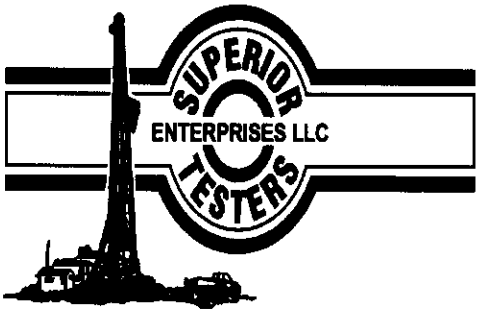
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1930.36	110.08	Initial Hydro-static
4	537.35	110.46	Open To Flow (1)
19	585.55	122.08	Shut-In(1)
65	1330.22	120.09	End Shut-In(1)
66	541.07	120.94	Open To Flow (2)
96	796.83	122.23	Shut-In(2)
186	1332.39	120.55	End Shut-In(2)
187	1909.47	120.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Drilling Mud 100% Mud	3.41
180.00	Water Mud 70%Mud 30%Water	2.52
180.00	Muddy Water 10%Mud 90%Water	2.52
840.00	Water 100% Chlorides 28,000	11.78
0.00	Resisitivity .28 @ 72 Degrees	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Prepared For: **CAPTIVA II**

445 ONION BLVD SUITE 208 LAKEWOOD
CO 80228

ATTN: CHARLIE STURDAVANT

#1-2 WFYOG

Start Date: 2012.08.28 @ 00:00:00
End Date: 2012.08.28 @ 00:00:00
Job Ticket #: 17732 DST #: 3

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

Printed: 2012.08.28 @ 23:12:45

Scale 1:240 Imperial

Well Name:	# 1-2 WFYOG		
Surface Location:	847' FNL, 2069' FEL Sec 2 T22S R16W		
Bottom Location:			
API:	15-145-21684-00-00		
License Number:			
Spud Date:	8/22/2012	Time:	4:30 AM
Region:	Pawnee County		
Drilling Completed:	8/29/2012	Time:	9:28 AM
Surface Coordinates:	1842712 & 548664		
Bottom Hole Coordinates:			
Ground Elevation:	2005.00ft		
K.B. Elevation:	2016.00ft		
Logged Interval:	2800.00ft	To:	4050.00ft
Total Depth:	4050.00ft		
Formation:	Arbuckle		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	Captiva II, LLC		
Address:	445 Union Blvd., Suite 208 Lakewood, CO 80228		
Contact Geologist:	Janine M. Sturdavant		
Contact Phone Nbr:	720-274-4682 / 303-907-2209		
Well Name:	# 1-2 WFYOG		
Location:	847' FNL, 2069' FEL Sec 2 T22S R16W	API:	15-145-21684-00-00
Pool:		Field:	Evers
State:	Kansas	Country:	USA

LOGGED BY

Company:	Charlie Sturdavant Consulting		
Address:	920 12th Street Golden, CO 80401		
Phone Nbr:	303-907-2295----303-384-9481		
Logged By:	Geologist	Name:	Charlie Sturdavant

NOTES

The Captiva II # 1-2 WFYOG well was drilled to a LTD of 4050', bottoming in the Arbuckle. A TookeDAQ gas detector was employed during the drilling of all prospective formations. Shows of oil were noted in the Lansing A and B zones, and were DST'd with disappointing results. Shows of dead oil were detected in the Pennsylvanian Chert Conglomerate zone and was also DST'd, again with disappointing results. Shows of dead oil were also noted in the Simpson and live, free oil in the shale/detrital zone directly above the Arbuckle. The top 8' of the Arbuckle was DST'd, but proved to be wet.

After log analysis, it was determined by all parties involved that the well should be plugged and abandoned.

NOTE: It is apparent that the drill time and the Gamma Ray curve are off by 2 feet at all tops, therefore all DST intervals should be raised by 2 feet to accurately protray the true tested interval.

The dry samples were saved and will be available for review at the Kansas Geological Survey well sample library, located in Wichita, Kansas.

Respectfully submitted,
Charlie Sturdavant
Consulting Geologist

Well Comparison Sheet

	DRILLING WELL Captiva II #1-2 WFYOG 847' FNL & 2089' FEL Sec. 2, T22S R16W				COMPARISON WELL Iron Drilling # 1 Shady "A" NE-NE-NE Sec. 2, T22S R16W				COMPARISON WELL Iron Drilling # 2 Shady "A" NE-NW-NE Sec. 2, T22S R16W			
	2016 KB				1981 KB		Structural Relationship		1988 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	996	1020	1010	1006	950	1031	-11	-25	978	1010	10	-4
Howard	3057	-1041	3053	-1037	3016	-1035	-6	-2				
Topeka	3134	-1118	3130	-1114	3093	-1112	-6	-2	3104	-1116	-2	2
Queen Hill	3309	-1293	3307	-1291	3270	-1289	-4	-2	3280	-1292	-1	1
Heebner	3415	-1399	3414	-1398	3377	-1396	-3	-2	3388	-1400	1	2
Toronto	3436	-1420	3429	-1413	3396	-1417	-3	4	3410	-1422	2	9
Douglas	3452	-1436	3448	-1432	3414	-1433	-3	1	3423	-1435	-1	3
Brown Lime	3522	-1506	3521	-1505	3487	-1506	0	1	3497	-1509	3	4
Lansing	3530	-1514	3528	-1512	3493	-1512	-2	0	3510	-1522	8	10
Muncie Creek	3645	-1629			3615	-1634	5		3627	-1639	10	
Stark Shale	3722	-1706	3720	-1704	3690	-1709	3	5	3696	-1708	2	4
Base KC	3765	-1749	3768	-1752	3737	-1756	7	4	3746	-1760	11	8
Marmaton	3788	-1772	3788	-1772	3758	-1777	5	5	3768	-1780	8	8
Conglom Chert	3841	-1825	3844	-1828								
Simpson Shale	3880	-1864	3878	-1862	3848	-1867	3	5	3852	-1864	0	2
Simpson Sand	3892	-1876	3888	-1872	3856	-1875	-1	3	3864	-1876	0	4
Arbuckle	3960	-1944	3957	-1941	3916	-1935	-9	-6	3923	-1935	-9	-6
Total Depth	4050	-2034	4050	-2034	3919	-1938	-96	-96	3933	-1945	-89	-89

Daily Drilling Report

Company: Charlie Sturdavant Consulting
920 12th Street
Golden, CO 80401

Well: # 1-2 WFYOG
Location: 847' FNL & 2089' FEL
Sec. 2, T22S R16W
Pawnee County, KS

Captiva II
Jim Waechter
Office: 303-274-4682
Cell: 303-478-3388

Wellsite Geologist: Charlie Sturdavant
Cell: (303) 907-2295
Office: (303) 384-9481

Elevation: 2016' KB 2005' GL
Field: Wildcat
API No.: 15-145-21684-0000
Surface Casing: 8 5/8" set @ 1005' KB

Drilling Contractor: Sterling Drilling Rig #2 620-388-5651, Tool Pusher: Uvaldo Martinez, cell: 620-388-1164

DATE	7:00 AM DEPTH	REMARKS
8/22/2012	230 ft.	Drilling with 12-1/4" bit.
8/23/2012	1006 ft.	WOC. Set 24 joints of new 24# 8-5/8" surface casing.
8/24/2021	2170 ft.	Drilling ahead.
8/25/2012	3020 ft.	Drilling ahead.
8/26/2012	3761 ft.	Drilling ahead. Conducted DST #1: 3524-3561'. Rec: 20' mud, 120' oil cut mud

8/26/2012	3881 ft.	Drilling ahead. Conducted DST # 1: 3824-3881'. Rec: 30' mud, 120' oil cut mud (3% oil, 97% mud), SIP: 1060-1060#.
8/27/2012	3894 ft.	Drilling ahead
8/28/2012	3894 ft.	CFS, gas kick and drilling break. DST # 2: 3803-3878', rec. 20' mud, SIP: 604#.
8/29/2012	3976 ft.	Circulating while repairing geolograph. DST # 3, 3958-3986'. Rec: 360' mud, 180' watery mud (70% mud), 180' muddy water (90% water), 840' water. SIP: 1330-1332#. Logging operations completed @ 1900 hrs. Geologist off location @ 2000 hrs.

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:		Latitude:	
N/S Co-ord:	1842712		
E/W Co-ord:	548664		

CONTRACTOR

Contractor:	Sterling Drilling		
Rig #:	2		
Rig Type:	mud rotary		
Spud Date:	8/22/2012	Time:	4:30 AM
TD Date:	8/29/2012	Time:	9:28 AM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	2016.00ft	Ground Elevation:	2005.00ft
K.B. to Ground:	11.00ft		

ROCK TYPES

Cht vari	Lmst fw<7	Shgy	shale, red	Sltst	
Chtcongl	Lmst fw7>	shale, gry	Shcol		
Dolsec	shale, grn	Carbon Sh	Ss		

ACCESSORIES

MINERAL
- Argillaceous
- Calcareous
- Chert White
- Chert, dark
- Dolomitic
- P Pyrite
- Sandy

FOSSIL
- Bioclastic or Fragmental
- Brachiopod
- Bryozoa
- Crinoids
- Foraminifera
- F Fossils < 20%
- Fussilinid
- Oolite
- Oolites
- Oomoldic
- Pelloids
- Pellets
- Spicules

STRAT./SED. STRUCTS
- Stylolite
- Stylolites

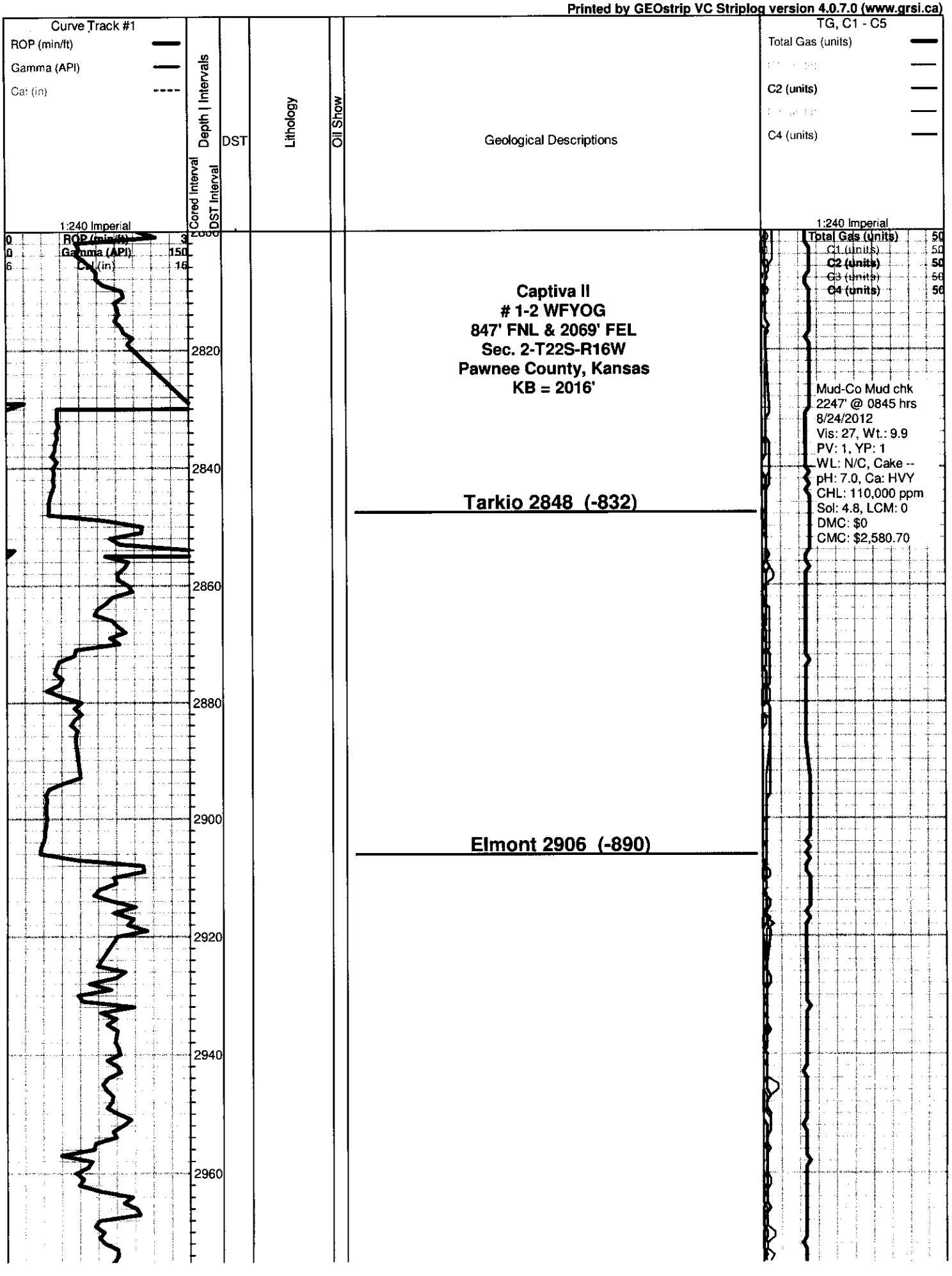
STRINGER
- Shale
- green shale

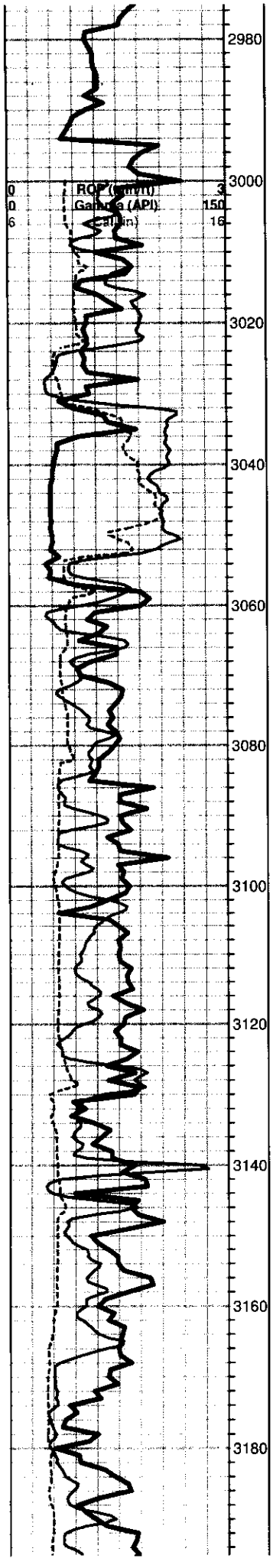
OTHER SYMBOLS

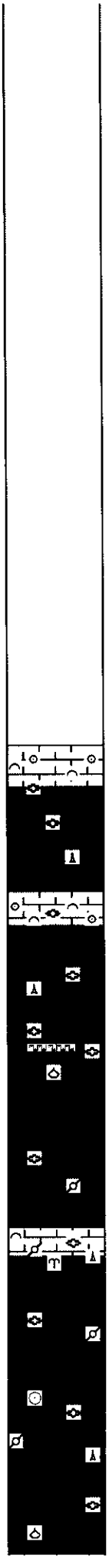
MISC
- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File

DST
- DST Int
- DST alt

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)







Howard 3057 (-1041)

20' samples begin at 3100'.

limestone: cream to lt tan, med-xln, bioclastic/oolitic grainstone, fussulinids, spicules, no shows. Grades down into brown to lt gray sli fossiliferous, vf-xln wackestone.

Limestone: as above, mixed lithologies and textures, brown to gray, wackestone, packstone and mudstone, no shows.

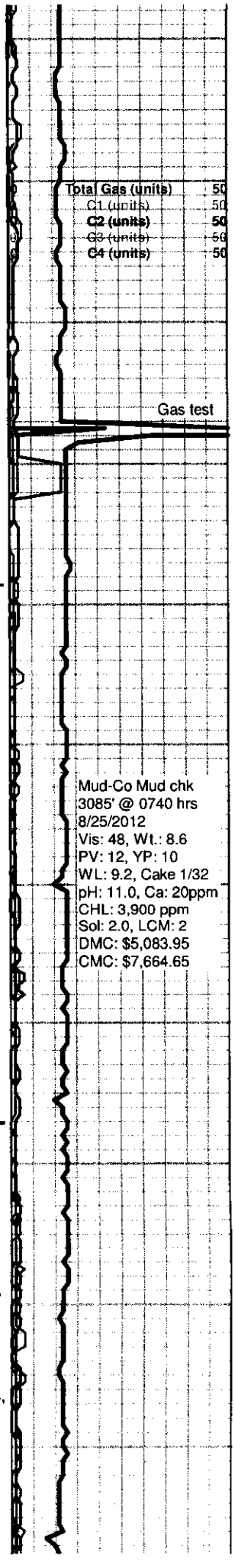
Limestone: mixed as above, w/ gray, calc shale. Some ls is cream w/ brachiopods. Tr stylolites, tr thin shale lams.

Topeka 3134 (-1118)

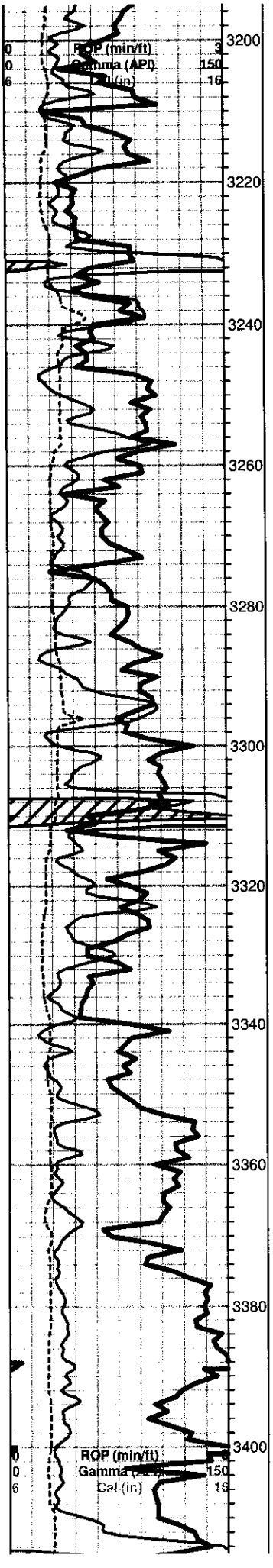
Limestone: cream to brown to lt gray, fossil frags, fussulinids, pellets, f- to micro-xln, wackestone to mudstone.

Limestone: mostly lt gray mudstone, tr fussulinids, tr pellets, no shows. Tr cream bioclcastic grainstone, tr spicules, tr fuss., tr bryo., f-xln, tight, no shows.

Limestone: cream to lt gray, fossil frags, brach, fuss., crinoids, spicules, streaks of pellets, vf-xln wackestone to crypto-xln mudstone, no shows, tight.



Mud-Co Mud chk
3085' @ 0740 hrs
8/25/2012
Vis: 48, Wt.: 8.6
PV: 12, YP: 10
WL: 9.2, Cake 1/32
pH: 11.0, Ca: 20ppm
CHL: 3,900 ppm
Sol: 2.0, LCM: 2
DMC: $5,083.95
CMC: $7,664.65



Limestone: cream to tan to vy lt gray, fossil frags, fuss., set in a f-xln matrix, wackestone, tight, no shows, Tr pyritized micro-fossils.

Llimestone: cream to vy lt gray to tan, fossils, crin, brach, fuss, f- to med-xln, packstone, no shows, tr tan, fossiliferous, vitreous chert.

King Hill Shale 3232 (-1216)

Tr black shale, calc, fossil frags.

Limestone: cream to tan, streaked to mottled, f-xln to micro-xln, granular texture, wackestone, tr thin shale lams.

Limestone: cream to tan, fossiliferous, spicules, brach., fussulinids, set in a f-xln matrix, tr pinpoint porosity, packstone to wackestone, no shows. Tr fossiliferous vitreous chert.

Limestone: cream to tan, f- to vf-xln, tr foss, fuss., crin., tr secondary micro-vuggy porosity, packstone to wackestone, no shows.

Limestone: as above w/ gray shale streaks. Tr fossiliferous, vitreous chert.

Queen Hill 3309 (-1293)

Shale: black, carbonaceous, dolomitic.

Limestone: lt gray to tan, f-xln to vf-xln, tr isolated oolites, tr foss frags, tr inter-xln porosity, but most is tight, mudstone to wackestone, tr pyrite, no shows.

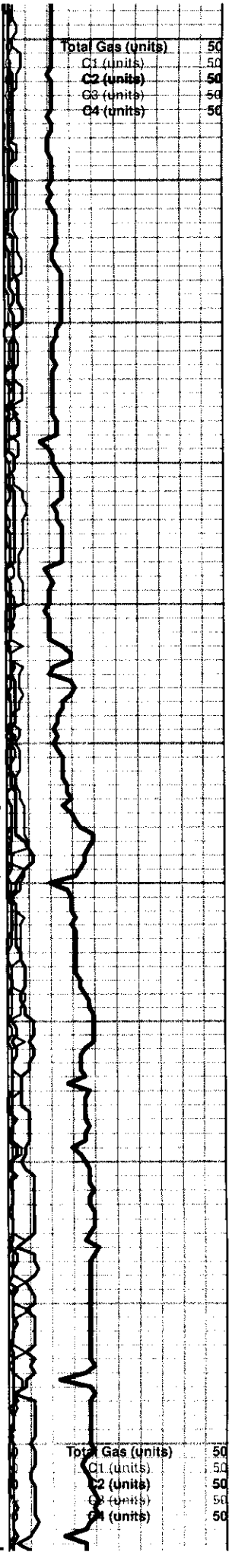
Limestone: cream to tan, succrosic to thinly laminated w/ brown shale, f- to med-xln, some frags are arg.,

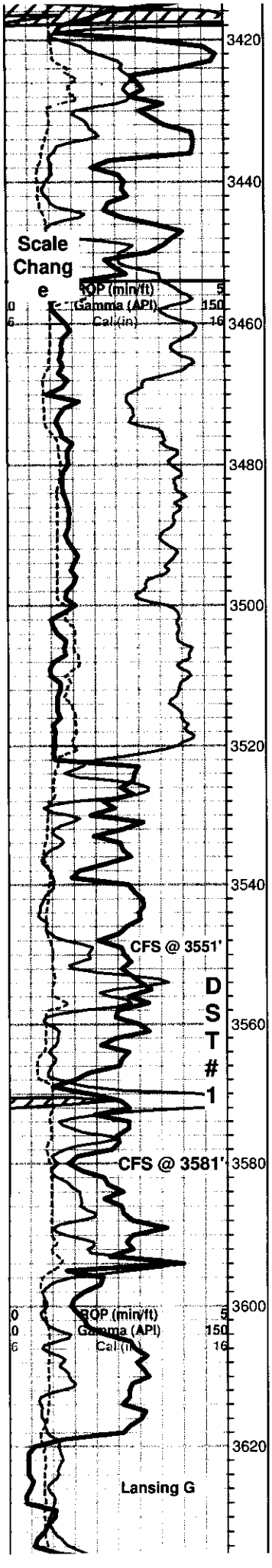
Limestone: cream to tan, streaks of oolitic grainstone w/ secondary crystallization, most is f-xln, sli succrosic recrystallized packstone to wackestone, local streaks of brown shale, tr lt gray to dark gray, fossiliferous, vitreous chert.

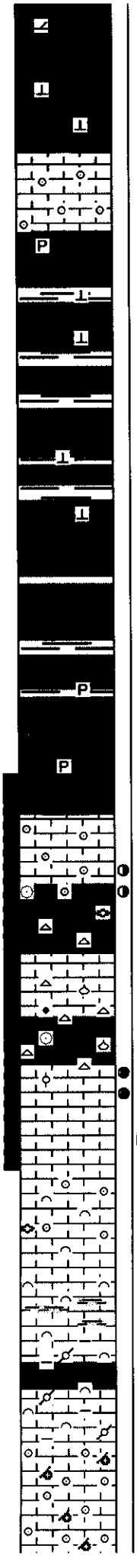
Limestone: white to cream, micro-xln, stylolites, tr ghost oolites, mudstone, tight, no shows. Tr lt gray chert.

Limestone: cream to brown, micritic to mudstone, tr fussulinids, stylolites, tr fossiliferous, vitreous dark brown to gray chert.

Heebner 3415 (-1399)







Shale: black, carbonaceous, dolomitic.

Shale: gray calc, soft, thinly laminated.

Toronto 3436 (-1420)

Limestone: cream to lt tan, vf-xln, ghost oolites, recrystallized former grainstone, med- to f-xln, tight, no shows. Tr white, fossliferous, vitreous chert.

Limestone: white to cream, micrite, pyrite specks, tr stylolites.

Douglas 3452 (-1436)

Shale: vari-colored, gray, waxy lt greenish-gray, lt gray, maroon, calcareous, soft to firm.

10' samples begin at 3470'.

Shale: vari-colored as above w/ lt green and vy lt gray, qtz-rich, micaceous siltstone.

Vari-colored shale w/ silty stringers, tr pyrite

Brown Lime 3522 (-1506)

Limestone: brown micrite, tight, no shows. Tr pyrite.

Lansing 3530 (-1514)

Limestone: cream to tan, flattened oolites, f- to micro-xln matrix, fussulinids, crinoids, spotty pinpoint porosity w/ free oil, good fluor, good cut. Faint hydrocarbon odor in wet sample. Much of the sample is white micrite w/ milky, translucent, vitreous chert.

Fussulinids in crypto-xln limestone, white, clean, tight, no shows.

Limestone: white to lt tan, micritic as above with a fossiliferous packstone, crinoids, brachiopods, med-xln, tr. inter-xln porosity, tr white fussulinid-bearing chert. Tr oolites and pellets.

Sample show of free oil in pinpoint secondary porosity, bright yellow fluor, odor in wet sample, slow cut is enhanced when chip is crushed. Some med-xln ls w/ good porosity.

WFYOG 1-2DST#1-p.90001.jpg

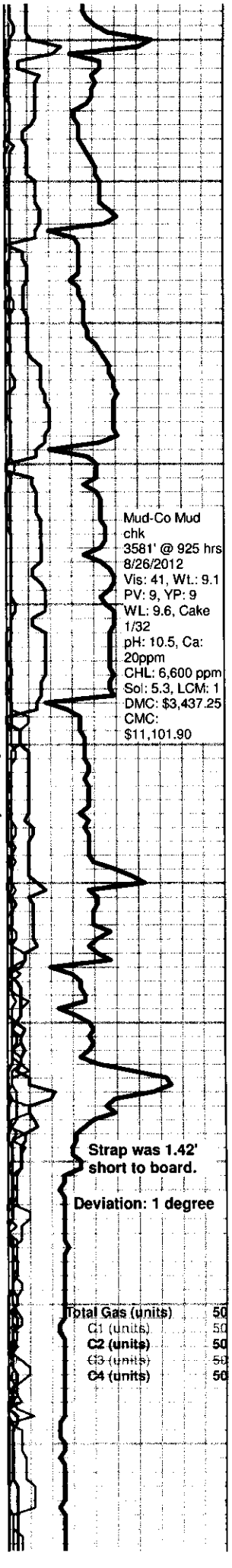
Limestone: white to cream, oolitic/bioclastic grainstone, fussulinids, med- to f-xln, weak inter-xln porosity, no shows.

Limestone: cream to lt tan, bioclastic packstone, fossil debris set in a f-xln matrix, fair inter-xln porosity, no shows.

Limestone: tan to lt brown, argillaceous, thin, brown shale laminations, very fossiliferous/fragmental, pellets, packstone, weak porosity, no shows.

Limestone: white to cream, bioclastic, med- to coarse-xln, good weak porosity, grainstone.

Limestone: vy lt tan, oolitic grainstone w/ good oomoldic porosity, pores to 0.7mm in dia, no shows.

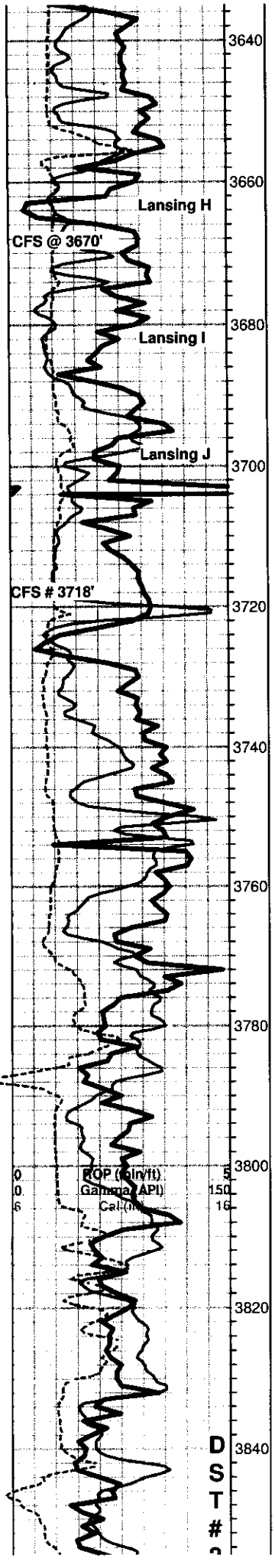


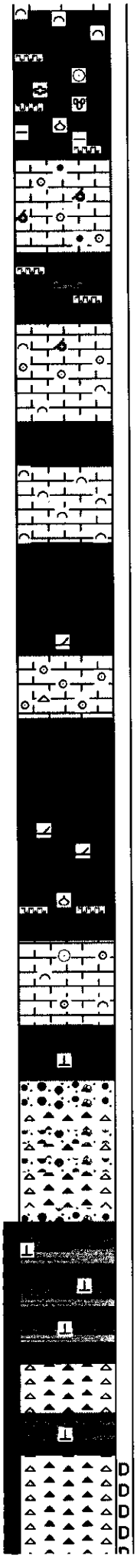
Mud-Co Mud chk
3581' @ 925 hrs
8/26/2012
Vis: 41, WL: 9.1
PV: 9, YP: 9
WL: 9.6, Cake 1/32
pH: 10.5, Ca: 20ppm
CHL: 6,600 ppm
Sol: 5.3, LCM: 1
DMC: $3,437.25
CMC: $11,101.90

Strap was 1.42' short to board.

Deviation: 1 degree

Total Gas (units) 50
C1 (units) 50
C2 (units) 50
C3 (units) 50
C4 (units) 50





Limestone: cream to tan, bioclastic grainstone to mudstone, loosing porosity, becomming more mud-supported, no shows

Limestone: tan to brown, argillaceous, fossiliferous, packstone to wackestone w/ stylolites and thin brown shale laminations, tight, no shows. Fussulinids, forams, brachiopods, crinoids.

30 min sample: Limestone: vy lt tan, oolitic-oomoldic-bioclastic grainstone w/ very good porosity, but no shows. Crinoids, fussulinids, pellets.

Limestone: cream to vy lt gray, crypto-xln, micrite w/ stylolites and thin brown shale laminations. No shows. Tr crinoid plates in shale.

Limestone: cream to vy lt gray, oolitic, fossiliferous grainstone, med- to vf-xln w/ good inter-xln porosity, tr oomoldic por., no shows. Some oolites are well-cemented.

Shale: gray, calc, soft, fossil frags.

Limestone: white, recrystallized bioclastic grainstone, good porosity, some finely succrosic, others are med-xln., no shows. Becomes micritic with depth.

Limestone: very lt gray to lt tan, crypto-xln micrite, tight, no shows.

Stark Shale 3722 (-1706)

Shale: black, carbonaceous, dolomitic.

Limestone: vy lt gray to white, oolitic grainstone, tr oomoldic porosity, no shows. tr white to milky, translucent, spicular chert.

Limestone: white to vy lt gray, crypto-xln micrite, tight, no shows.

Shale: gray to dark brown, fissile, thinly laminated, soft, dolomitic.

Limestone: cream to reddish-brown to mottled and streaked, tr fossils, brach, tr oolites, tr stylolites, shallow water deposition, sli arg., mudstone to wackestone.

Base K/C 3765 (-1749)

Limestone: white to cream, fossiliferous, oolitic grainstone, diagenetically altered/recrystallized, ghost crinoids, tight, no shows.

Limestone: as above w/ reddish-brown shale streaks and stylolites. Increase in shale content, waxy greehish-gray, dark gray, calcareous.

Chertty conglomerate, pinkish-orange, brownish-orange, weathered, amber, tan, some is vitreous, some is frosted, shale as above.

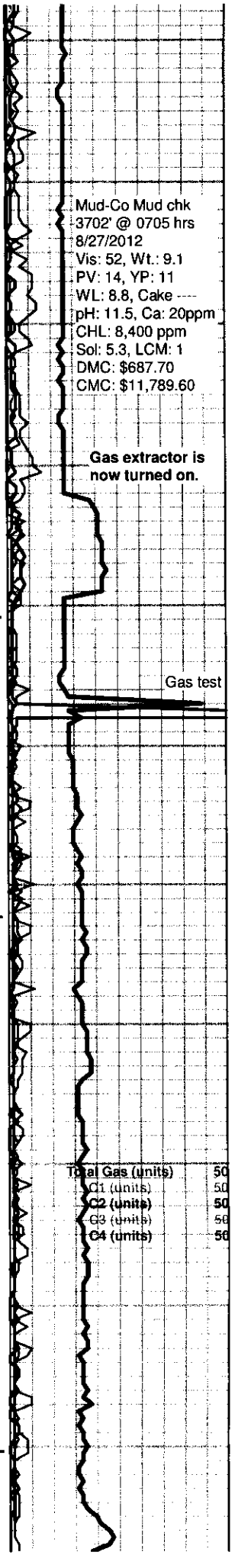
Chert as above, vari-colored, some is tripolitic.

Sample washes reddish-brown. Shale to shaley conglomerate. Vari-colored shale: maroon, brown, reddish-brown/rust, calcareous.

Mixed shales and cherts as above.

Cherty Conglomerate 3841 (-1825)

Chert: white, tripolitic w/ black splotches/dendrites of heavy to dead oil that cuts slowly. Vari-colored chert: amber, tan, orange. Oil is also present in some of the colored chert. Oil aroma in sample cup.

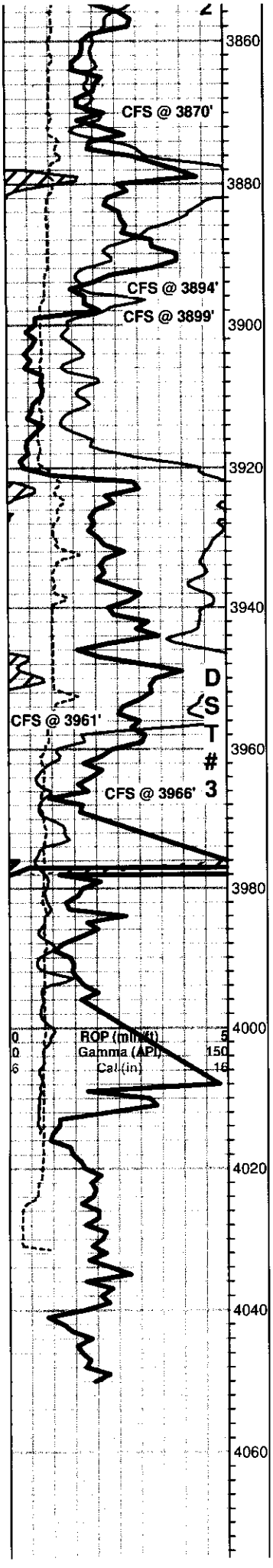


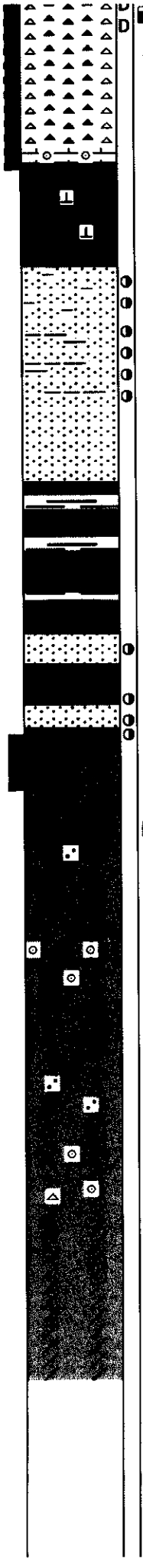
Mud-Co Mud chk
3702' @ 0705 hrs
8/27/2012
Vis: 52, Wt.: 9.1
PV: 14, YP: 11
WL: 8.8, Cake ---
pH: 11.5, Ca: 20ppm
CHL: 8,400 ppm
Sol: 5.3, LCM: 1
DMC: $687.70
CMC: $11,789.60

Gas extractor is now turned on.

Gas test

Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)





WFYOG 1-2DST#2-p.50001.jpg

The white, tripolitic chert w/ black dead oil staining increases with depth.

Limestone: cream, oolitic grainstone to micritie.

Simpson Shale 3880 (-1864)

Shale: maroon/rust some w/ greenish-gray streaks, bolcky, firm, calcareous.

30 min sample is shale as above w/ a few coarse, sub-rounded grains of qtz sand in the bottom of the tray.

60 min sample: vf- to med gr qtz sand grains in the bottom of the sample tray, very well-rounded, mature, no shows of oil.

Sample is dominated by maroon shale, but there are some frags of ss: argillaceous, qtz dominated, w/ spotty dead oil that won't cut.

Sandstone: white to lt gray, tr arg, tr feldspar, tr ferro-mags, calcite cement, well-sorted, sub-rounded, med-gr, qtz-rich. Some frags have a lt green shale coating. Some frags have spotty dead oil staining that cut quickly w/ bright yellow fluor. 3930-40' ss dominant

Sand clusters are stained a light brown with live oil, instant streaming cut, bright yellow fluor.

Shale: mostly gray to gray-brown w/ some maroon/rust, calcareous, med firm, some dark green.

Shale as above, w/ sandstone fragments as above.

3961':
30 min sample: very strong hydrocarbon aroma, **droplets of free oil floating in the sample tray.** Rocks are a mix of shale and sandstone w/ heavy oil.

60 min: dolo, cream to tan, succrosic to micritic, even in the same fragment, no shows. The sample does have oil aroma.

3966: Dolomite, cream to white, succrosic, good inter-xln porosity, no shows. Weak oil aroma in sample cup.

WFYOG 1-2DST#3-p.50001.jpg

Dolomite: cream to tan, succrosic, some frags have a few well-rounded, f-gr qtz sand grains, good inter-xln porosity, no shows.

Dolomite: lt tan, med-succrosic, tr vugs, tr micrite, tr oolitic ghosts, no shows.

Dolomite: as above, tr arenaceous fragments, no shows.

Dolomite: tan, as above, succrosic w/ oolites, tr white, vitreous chert.

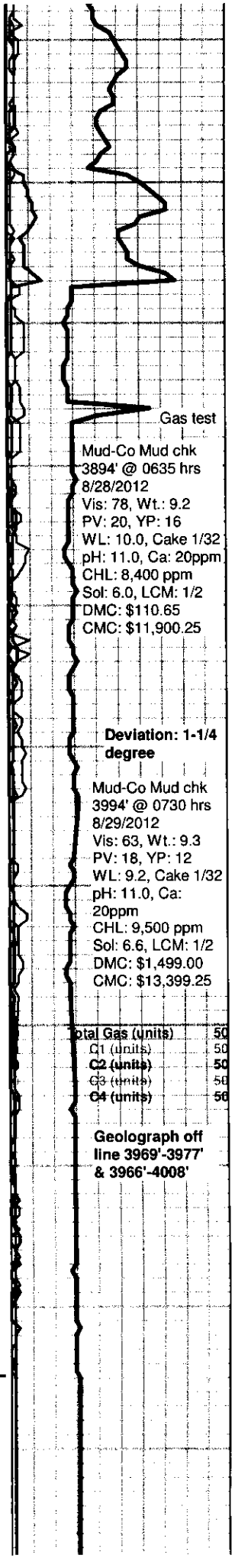
Dolomite: lt tan, succrosic to micritic, less porosity, no shows.

Dolomite: lt tan to cream, succrosic w/ small vugs, good porosity.

RTD 4050 (-2034)

Rotary TD 4050' @ 0928 hrs, 8/29/2012
Superior Well Services Logging TD 4050'
Complete logging operations 1900 hrs 8/29/2012

Geologist: Charlie Sturdavant off location @ 2000 hrs. 8/29/2012



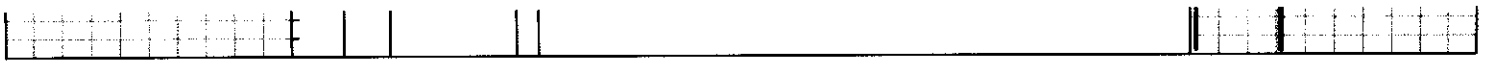
Gas test

Mud-Co Mud chk
3894' @ 0635 hrs
8/28/2012
Vis: 78, Wt.: 9.2
PV: 20, YP: 16
WL: 10.0, Cake 1/32
pH: 11.0, Ca: 20ppm
CHL: 8,400 ppm
Sol: 6.0, LCM: 1/2
DMC: $110.65
CMC: $11,900.25

Deviation: 1-1/4 degree

Mud-Co Mud chk
3994' @ 0730 hrs
8/29/2012
Vis: 63, Wt.: 9.3
PV: 18, YP: 12
WL: 9.2, Cake 1/32
pH: 11.0, Ca: 20ppm
CHL: 9,500 ppm
Sol: 6.6, LCM: 1/2
DMC: $1,499.00
CMC: $13,399.25

Geolograph off line 3969'-3977' & 3966'-4008'



Weatherford®
Completion Systems

DRILL STEM TEST REPORT

CAPTIVA

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-3 WFYOG

Job Ticket: 17730 **DST#: 1**

Test Start: 2012.08.26 @ 20:46:48

GENERAL INFORMATION:

Formation: LKC
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:07:48
Time Test Ended: 05:08:18

Test Type: Conventional Bottom Hole (Initial)
Tester: DAVID
Unit No: 3345 49 MRT

Interval: **ft (KB) To** **ft (KB) (TVD)**
Total Depth: 3581.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

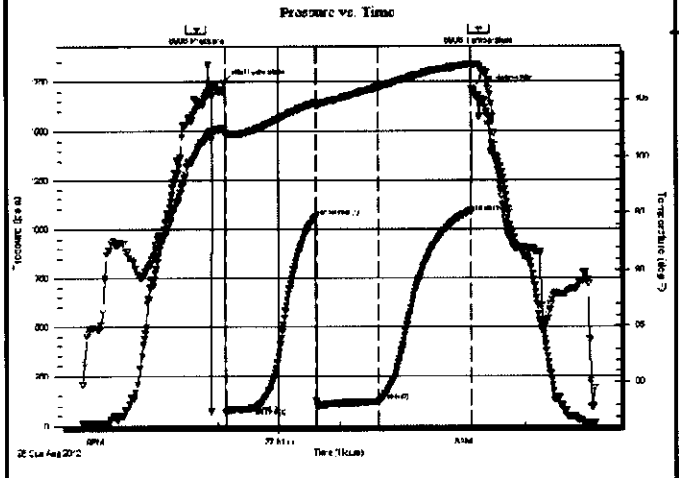
Reference Elevations: 1997.00 ft (KB)
1986.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6806

Press@RunDepth: 121.44 psia @ ft (KB)
Start Date: 2012.08.26 End Date: 2012.08.27
Start Time: 20:46:48 End Time: 05:08:18

Capacity: 5000.00 psia
Last Calib.: 2012.08.26
Time On Btm: 2012.08.26 @ 23:06:48
Time Off Btm: 2012.08.27 @ 03:08:18

TEST COMMENT: 30-INITIAL OPENING WEAK BLOW BUILT TO 6 INCHES INTO WATER
60-INITIAL SHUT IN VERY WEAK SURFACE
60-FINIAL OPENING WEAK BLOW BUILT TO 7 INCHES INTO WATER
90-FINIAL SHUT-IN VERY WEAK SURFACE



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1744.36	102.35	Initial Hydro-static
1	67.99	102.01	Open To Flow (1)
31	89.67	102.40	Shut-In(1)
89	1060.95	104.72	End Shut-In(1)
90	96.50	104.54	Open To Flow (2)
150	121.44	106.06	Shut-In(2)
241	1080.81	108.03	End Shut-In(2)
242	1710.24	107.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MUD 100% MUD	0.15
120.00	OLY CUT MUD 3%OIL 97 %MUD	0.59

Gas Rates

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

WFYOG 1-2DST#2-p.50001.jpg

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Completion Systems

DRILL STEM TEST REPORT

CAPTIVA II

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-2 WFYOG

Job Ticket: 17731 **DST#: 2**

Test Start: 2012.08.27 @ 00:00:00

GENERAL INFORMATION:

Formation: **Conglomerate**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3345 45

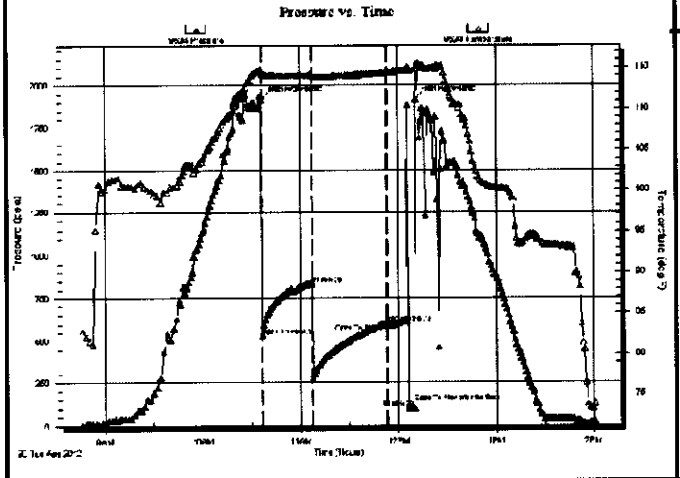
Interval: 3806.00 ft (KB) To 3878.00 ft (KB) (TVD)
Total Depth: 3878.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1997.00 ft (KB)
1986.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8524 **Outside**
Press@RunDepth: 604.15 psia @ 3874.73 ft (KB)
Start Date: 2012.08.28 End Date: 2012.08.28
Start Time: 08:45:00 End Time: 14:00:30

Capacity: 5000.00 psia
Last Calib.: 2012.08.28
Time On Btm: 2012.08.28 @ 10:36:00
Time Off Btm: 2012.08.28 @ 12:10:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow for 6 minutes and died
1st Shut-In 45 Minutes-No blow back
2nd Openint 15 Minutes-No blow flushed tool after 10 minutes no help pulled the tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1915.23	114.75	Initial Hydro-static
1	531.75	114.30	Open To Flow (1)
31	835.96	114.09	Shut-In(1)
77	604.15	114.48	End Shut-In(1)
77	598.86	114.48	Open To Flow (2)
90	101.17	114.61	Open To Flow after the flush
94	101.75	114.57	Shut-In(2)
95	1917.38	115.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilliong mud	0.10

Gas Rates

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

WFYOG 1-2DST#3-p.50001.jpg

DRILL STEM TEST REPORT

CAPTIVA II

445 ONION BLVD SUITE 208 LAKEWOOD CO 80228

ATTN: CHARLIE STURDAVANT

#1-2 WFYOG

Job Ticket: 17732 **DST#: 3**

Test Start: 2012.08.28 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 3345

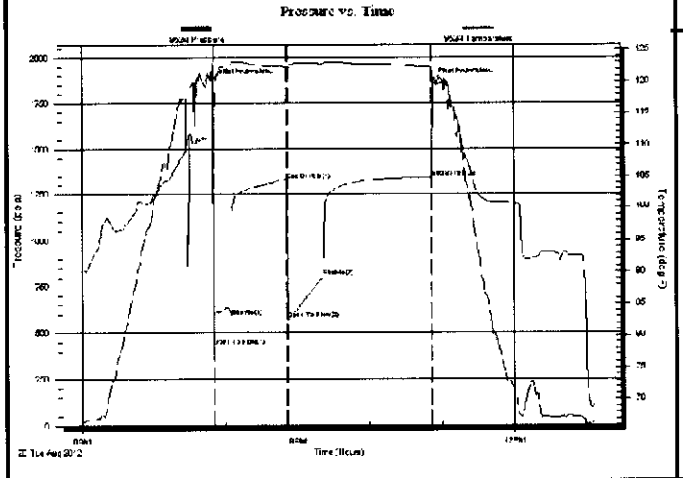
Interval: 3958.00 ft (KB) To 3966.00 ft (KB) (TVD)
Total Depth: 3966.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1997.00 ft (KB)
1986.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8524 **Outside**
Press@RunDepth: 1346.84 psia @ 3963.00 ft (KB)
Start Date: 2012.08.28 End Date: 2012.08.28
Start Time: 06:00:00 End Time: 13:07:30

Capacity: 5000.00 psia
Last Calib.: 2012.08.28
Time On Btm: 2012.08.28 @ 07:48:30
Time Off Btm: 2012.08.28 @ 10:52:30

TEST COMMENT: 1st Opening 15 Minutes Fair blow built to the bottom of A 5 gallon bucket in 5 minutes
1st Shut-In 45 Minutes-No blow back
2nd Openiong 30 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 4 minutes
2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1869.74	110.84	Initial Hydro-static
2	429.15	110.40	Open To Flow (1)
17	591.10	122.73	Shut-In(1)
63	1332.62	122.33	End Shut-In(1)
64	572.33	121.99	Open To Flow (2)
93	805.40	122.82	Shut-In(2)
183	1346.84	122.26	End Shut-In(2)
184	1869.71	121.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Drilling Mud 100% Mud	3.41
180.00	Water Mud 70%Mud 30%Water	2.52
180.00	Muddy Water 10%Mud 90%Water	2.52
840.00	Water 100% Chlorides 28,000	11.78
0.00	Resisitivity .28 @ 72 Degrees	0.00

Gas Rates

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