



KANSAS CORPORATION COMMISSION 1057506
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- 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 #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1057506

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	WFY Unit 1
Doc ID	1057506

All Electric Logs Run

Dual Induction
Compensated Neutron Density
Micro
Sonic
Cement Bond

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Superior Testers Interprises, Inc.
 1309 Patton Rd.
 Great Bend, Kansas 67530
 Phone: 800-792-6902
 Fax: 620-792-6902

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 620-624-5389
 Fax: 620-626-7108

 Lab Number: 20100514 Analyzed: 02/18/1
 Sample From: WFY Unit 1 Pressure:
 Producer: Shelby Resources LLC Temperature:
 Date: 02/13/10 Location: 23-21-1
 Received: 02/18/10 County: Pawnee
 Sampler: State:
 Source: Formation: Arbuckl

	Mole %	GPM
Helium	He: 0.666	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 5.299	0.000
Carbon Dioxide	CO2: 0.000	0.000
Methane	C1: 87.850	0.000
Ethane	C2: 3.587	0.959
Propane	C3: 1.383	0.381
Iso Butane	iC4: 0.215	0.070
Normal Butane	nC4: 0.447	0.141
Iso Pentane	iC5: 0.123	0.045
Normal Pentane	nC5: 0.144	0.052
Hexanes Plus	C6+: 0.286	0.125

TOTAL: 100.000 1.774
 Z Fact: 0.9978
 SP.GR.: 0.6279
 BTU (SAT): 1019.1 @ 14.73 psia
 BTU (DRY): 1037.1 @ 14.73 psia
 OCTANE RATING: 120.1

 COMMENTS: From 3782 0.000
 To 3842
 Max Gas 2,846,133

NATURAL GAS ANALYSIS REPORT

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 Superior Testers Interprises, Inc.
 1309 Patton Rd.
 Great Bend, Kansas 67530
 Phone: 800-792-6902
 Fax: 620-792-6902

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 620-624-5389
 Fax: 620-626-7108

Lab Number:	20100515	Analyzed:	02/18/1
Sample From:	WFY Unit 1	Pressure:	
Producer:	Shelby Resources LLC	Temperature:	
Date:	02/14/10	Location:	23-21-1
Received:	02/18/10	County:	Pawnee
Sampler:		State:	
Source:		Formation:	Arbuckl

	Mole %	GPM
Helium	He: 0.648	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 5.247	0.000
Carbon Dioxide	CO2: 0.182	0.000
Methane	C1: 87.152	0.000
Ethane	C2: 3.569	0.955
Propane	C3: 1.427	0.393
Iso Butane	iC4: 0.250	0.082
Normal Butane	nC4: 0.548	0.173
Iso Pentane	iC5: 0.183	0.067
Normal Pentane	nC5: 0.228	0.083
Hexanes Plus	C6+: 0.566	0.247
TOTAL:		100.000 1.999
Z Fact:		0.9977
SP.GR.:		0.6422
BTU (SAT):		1037.3 @ 14.73 psia
BTU (DRY):		1055.6 @ 14.73 psia
OCTANE RATING:		119.5

COMMENTS: From 3845 Bottle contained liquids 0.000
 To 3852
 Max Gas 1,941

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Superior Testers Interprises, Inc.
 1309 Patton Rd.
 Great Bend, Kansas 67530
 Phone: 800-792-6902
 Fax: 620-792-6902

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 620-624-5389
 Fax: 620-626-7108

Lab Number: 20100516
 Sample From: WFY Unit 1
 Producer: Shelby Resources LLC
 Date: 02/14/10
 Received: 02/18/10
 Sampler:
 Source:

Analyzed: 02/18/1
 Pressure:
 Temperature:
 Location: 23-21-1
 County: Pawnee
 State:
 Formation: Arbuckle

	Mole %	GPM
Helium	He: 0.615	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 4.993	0.000
Carbon Dioxide	CO2: 0.467	0.000
Methane	C1: 86.833	0.000
Ethane	C2: 3.835	1.026
Propane	C3: 1.574	0.434
Iso Butane	iC4: 0.255	0.083
Normal Butane	nC4: 0.559	0.176
Iso Pentane	iC5: 0.168	0.061
Normal Pentane	nC5: 0.204	0.074
Hexanes Plus	C6+: 0.497	0.217

TOTAL: 100.000 2.071

Z Fact: 0.9977

SP.GR.: 0.6444

BTU (SAT): 1037.9 @ 14.73 psia

BTU (DRY): 1056.3 @ 14.73 psia

OCTANE RATING: 119.5

COMMENTS: From 3853 0.000
 To 3867
 Max Gas 1.91

CAPTIVA ENERGY II, LLC

DAILY DRILLING REPORT

Company: CAPTIVA ENERGY II, LLC
445 UNION BLVD. Suite 208
LAKEWOOD, CO. 80228

Well: WFY Unit #1
Location: 960' FNL & 2545' FWL
Sec. 25 - 21S - 16W
Pawnee Co., KS

Contact: Gary Krieger 303.887.5085

Field Ops: Chris Gottschalk 785.623.1524

Wellsite Geologist: Derek Patterson
Cell: 316.655.3550
Office: 316.558.5202

Elevation: 1979' KB 1970' GL
Field: Sweeney SW
API#: 15-145-21600-0000
Surface Casing: 8 5/8" set @ 952.29' KB

Drilling Contractor: Sterling Drilling - Rig #4 620.388.4192 Tool Pusher: Lanny Saloga 620.388.4193

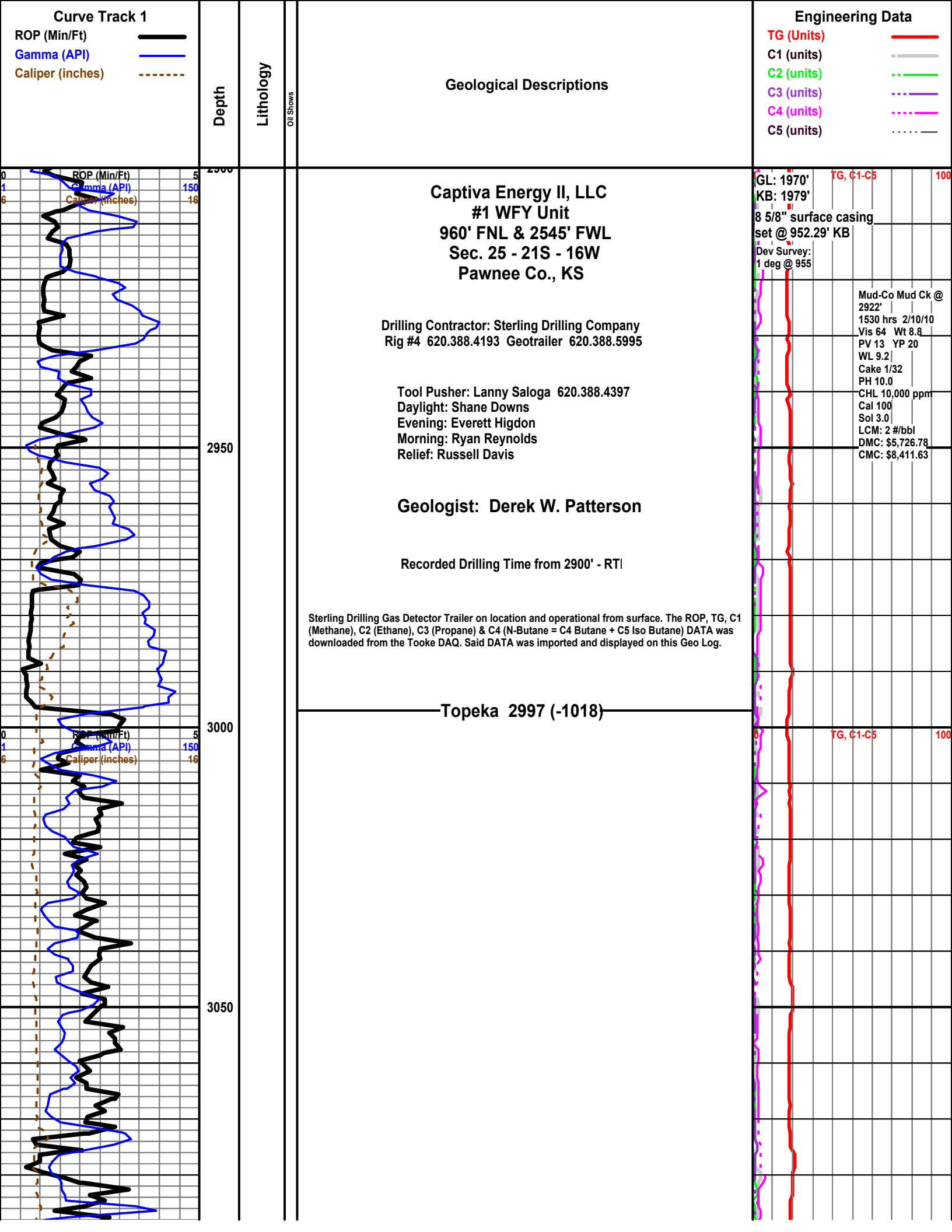
DATE	7:00 AM DEPTH	Last 24 Hour Operations
2/11/2010	3354'	Geologist Derek W. Patterson on location @ 3235 ft, 0220 hrs 2/11/10. Drilling and connections through Topeka. DMC: \$5,726.78 CMC: \$8,411.63
2/12/2010	3586'	Drilling and connections through Topeka, Toronto, Douglas, Brown Lime, and into Lansing. CFS @ 3566 ft (LKC 'G'). Gas increase and shows warrant DST. Short trip @ 3566 ft. CTCH. Drop survey, strap out, TOH for DST #1, testing Lansing 'G'. Conducting DST #1, test successful. TIH, CTCH, resume drilling Lansing 0605 hrs 2/12/10. Deviation Survey @ 3566 ft: 1/2 deg, Strap: 1.47' long to board. DMC: \$1,057.20 CMC: \$9,468.83
2/13/2010	3842'	Drilling and connections through Lansing. Rid down @ 0930 hrs 2/12/10 for pump motor repairs. Drilling resumed 1550 hrs 2/12/10. Drilling and connections through Lansing, Base KC, and into Viola. CFS @ 3750 ft, 3770ft (Viola). Resume drilling Viola and into Simpson Shale. CFS @ 3823 ft, 3828 ft (Simpson Shale). Resume drilling Simpson Shale and into Arbuckle. CFS @ 3842 ft (Arb). Shows and gas kick warrant DST. DMC: \$2,315.80 CMC: \$11,784.63
2/14/2010	3852'	Short trip @ 3842 ft. CTCH. TOH for DST #2, testing Arbuckle. Conducting DST #2, test successful. TIH, CTCH, resume drilling Arbuckle 2115 hrs 2/13/10. CFS @ 3852 ft (Arb). Shows and gas kick warrant DST. TOH for DST #3, testing Arbuckle. Conducting DST #3, test successful. DMC: \$2,066.85 CMC: \$13,851.48
2/15/2010	3862'	TIH. Rig down for transmission shaft repairs @ 0830 hrs 2/14/10. Repairs made, TIH @ 1730 hrs 2/14/10, CTCH, resume drilling Arbuckle 0000 hrs 2/15/10. CFS @ 3862 ft (Arb). Shows warrant DST. TOH for DST #4, testing Arbuckle. Conducting DST #4 DMC: \$1,271.70 CMC: \$15,123.18
2/16/2010	RTD - 3985'	Conducting DST #4, test successful. TIH, CTCH. Production casing on location 1300 hrs. Resume drilling Arbuckle 1345 hrs 2/15/10. CFS @ 3881 ft (Arb), 3893 ft (Arb), 3913 ft (Arb), 3919 ft (Arb), 3925 ft (Arb). Resume drilling and connections Arbuckle to RTD. RTD reached 0045 hrs 2/16/10. CTCH, drop survey, TOH for logging. Superior Well Services on location 0400 hrs 2/16/10. Bridge encountered while going in hole with logging tool. TIH with drill string to clean up hole. Deviation Survey @ 3985 ft: 1 1/4 deg. DMC: \$2,448.24 CMC: \$17,571.42
2/17/2010	RTD - 3985'	CTCH, TOH for logging. Logging operations complete 1530 hrs 2/16/10. Geologist Derek W. Patterson off location @ 1630 hrs 2/16/10. DMC: \$1,316.81 CMC: \$18,888.23

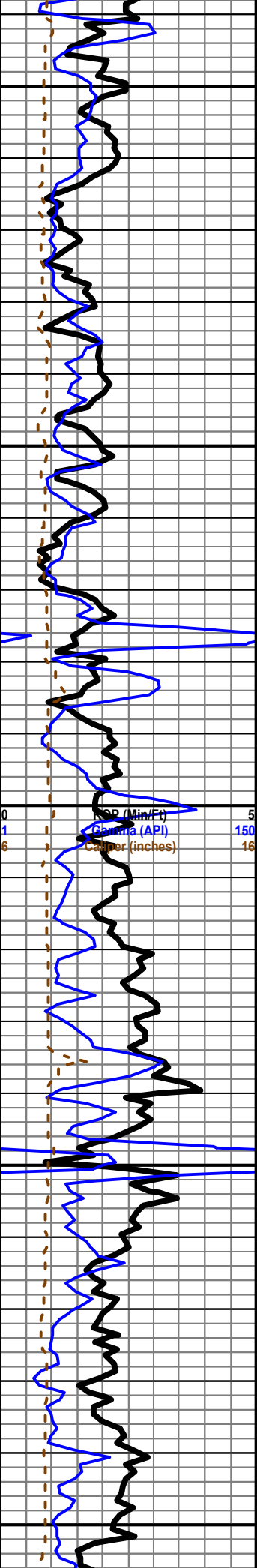
CAPTIVA ENERGY II, LLC

WELL COMPARISON SHEET

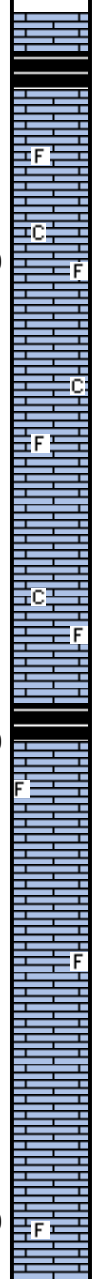
DRILLING WELL					COMPARISON WELL				COMPARISON WELL				COMPARISON WELL			
Captiva Energy II - WFY Unit #1 960' FNL & 2545' FWL Sec. 25 - 21S - 16W 1979 KB					Fred B. Anschutz - Unruh #1 C SE SE SW Oil/Gas - Arbuckle - P&A Sec. 24 - 21S - 16W 1973 KB				VJI Natural Resources - WFY #1 SW SW NE Gas - Simpson Sec. 25 - 21S - 16W 1979 KB				Bolanco, Inc. - Fleske #1-B 'OWWO' NE SW NE Oil/Gas - Arbuckle - P&A Sec. 25 - 21S - 16W 1973 KB			
					Log		Sub-Sea		Sample		Log		Log		Sub-Sea	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka	2997	-1018	2997	-1018					3010	-1031	13	13	3004	-1031	13	13
King Hill	3178	-1199	3176	-1197					3188	-1209	10	12	3186	-1213	14	16
Queen Hill	3246	-1267	3248	-1269					3263	-1284	17	15	3261	-1288	21	19
Heebner	3352	-1373	3354	-1375	3350	-1377	4	2	3366	-1387	14	12	3364	-1391	18	16
Toronto	3374	-1395	3371	-1392	3371	-1398	3	6	3388	-1409	14	17	3387	-1414	19	22
Douglas	3387	-1408	3388	-1409	3388	-1415	7	6	3402	-1423	15	14	3401	-1428	20	19
Brown Lime	3452	-1473	3454	-1475	3452	-1479	6	4	3467	-1488	15	13	3466	-1493	20	18
Lansing	3463	-1484	3460	-1481	3461	-1488	4	7	3475	-1496	12	15	3475	-1502	18	21
Muncie Creek	3584	-1605	3585	-1606	3581	-1608	3	2	3598	-1619	14	13	3600	-1627	22	21
Stark Shale	3647	-1668	3646	-1667	3645	-1672	4	5	3662	-1683	15	16	3664	-1691	23	24
Base KC	3697	-1718	3693	-1714	3690	-1717	-1	3	3707	-1728	10	14	3712	-1739	21	25
Viola	3736	-1757	3737	-1758	3736	-1763	6	5	3762	-1783	26	25	3786	-1813	56	55
Simpson Shale	3790	-1811	3796	-1817	3805	-1832	21	15	3812	-1833	22	16	3833	-1860	49	43
Simpson Sand	Not Present				Not Present				3852	-1873	N/A		3856	-1883	N/A	
Arbuckle	3839	-1860	3839	-1860	3836	-1863	3	3	3867	-1888	28	28	3866	-1893	33	33
Total Depth	3985	-2006	3970	-1991	3897	-1924	-82	-67	3974	-1995	-11	4	3984	-2011	5	20

NOTE: DST Intervals need to be shifted 2' Lower / Deeper on the E-Logs





3100
3150
3200
3250
3300



King Hill 3178 (-1199)

Shale: black, carbonaceous, soft, waxy, fissile.

Please Note: tops above 3200' picked strictly on drill time and electrical logs.

Limestone: cream tan light gray, cryptoxln with some lithographic, dense, fossiliferous with some barren non descript, chalky, poor visible porosity, no shows noted, no fluorescence noted.

Start wet & dry samples @ 3220'

Limestone: light gray gray, cryptoxln, dense, fossiliferous, chalky, poor visible porosity, no shows noted, no fluorescence noted.

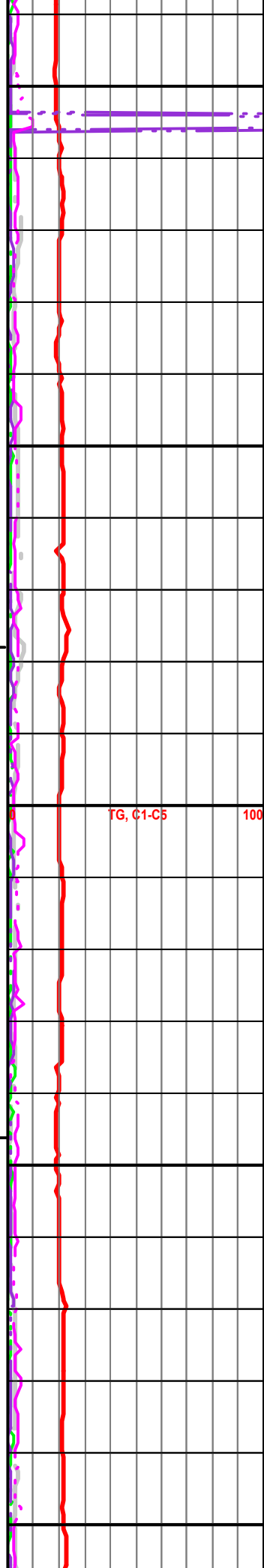
Geologist Derek W. Patterson on location 0220 hrs 2/11/10

Queen Hill 3246 (-1267)

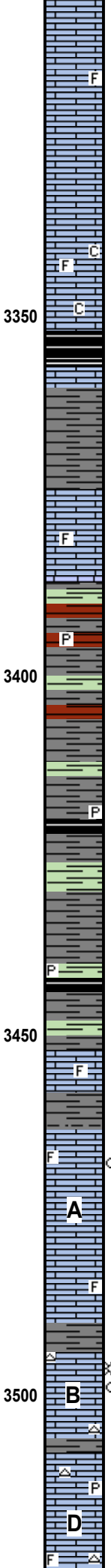
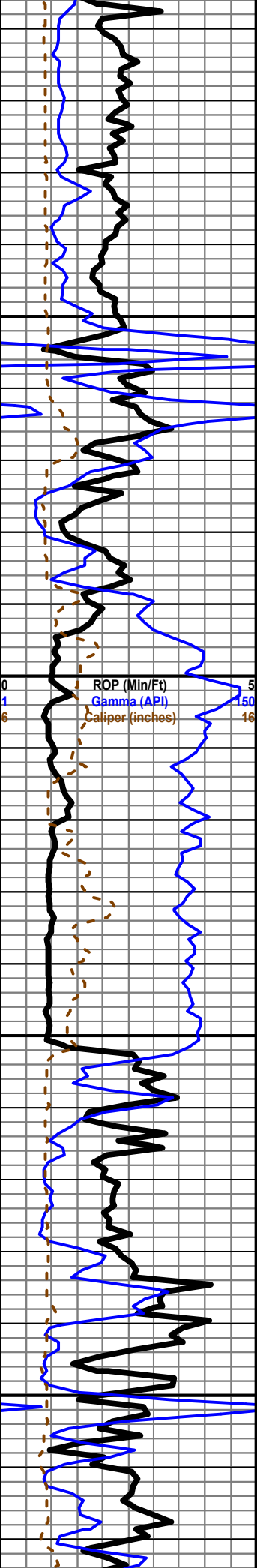
Shale: black, carbonaceous, soft, waxy, fissile.

Limestone: cream light gary gray, cryptoxln-microxln, dense, fossiliferous in part, poor visible porosity, no shows noted, no fluorescence noted, with scattered Pyrite in tray.

Limestone: light cream light gray, microxln-cryptoxln, dense, slightly fossiliferous, poor visible porosity, no shows noted, no fluorescence noted.



TG, C1-C5 100



Limestone: cream light brown, microxln, dense, heavily fossiliferous, poor visible porosity, shows noted, no fluorescence noted.

Limestone: light cream cream light gray, microxln-cryptoxln, dense, scattered fossiliferous, poor visible porosity, no shows noted, no fluorescence noted.

Limestone: cream light tan light brown, microxln-cryptoxln, dense, slightly fossiliferous, scattered 2ndary calcite crystals, poor visible porosity, no shows noted, slightly chalky, with influx Shale: gray light gray dark gray, soft, waxy, micaceous.

Heebner 3352 (-1373)
Shale: black, carbonaceous, soft, waxy, slightly micaceous.

Shales: gray dark gray brick red green black, soft, waxy, micaceous in part, some slightly silty and sandy.

Toronto 3374 (-1395)
Limestone: white cream light brown, microxln, dense, slightly fossiliferous, trace 2ndary rexln, poor visible porosity, no shows noted, no fluorescence.

Douglas 3387 (-1408)
Shales: gray green brick red, soft waxy to fissile, micaceous, pyritic, sample washes red.

Shales: gray green, soft waxy, pyritic, with influx Shale: black, carbonaceous, sample washes gray.

Shales: gray green black as above, sample washes gra

Brown Lime 3452 (-1473)
Limestone: brown light brown, microxln, dense, fossiliferous, poor visible porosity, no shows noted, no fluorescence.

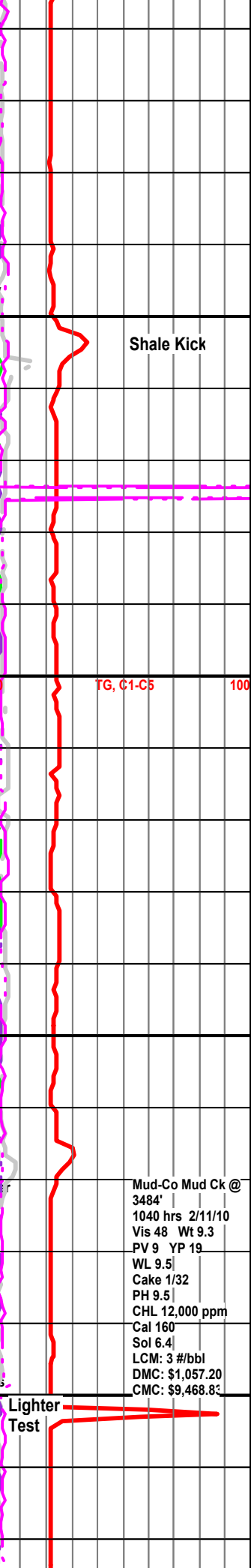
Lansing 3463 (-1484)
Limestone: white light cream, microxln with some cryptoxln, mostly dense, slightly chalky, scattered fossiliferous, poor visible porosity, with Limestone: tan light brown, microxln, trace small vugs, poor-fair pinpoint/vuggy porosity, slight trace light brown free oil droplets in tray, slight oil sheen on sample, few rocks found with visible shows, poor golden brown saturated stain, very poor odor in cup, no other shows noted, even pale yellow/white fluorescence.

Limestone: white cream light gray, microxln-cryptoxln, mostly dense, scattered fossiliferous with mostly barren, poor visible porosity, no shows noted, even white fluorescence.

Limestone: cream light cream, microxln, soft matrix, mostly barren, poor-fair pinpoint porosity, very slightly bleeding golden brown free oil and show gas bubbles bleeding from porosity, increase in gas when broken and left under lamp, golden brown saturated stain, gassy oil sheen and even pale yell fluorescence associated with show rocks, faint odor in cup, with influx Chert: white cream opaque, sharp, barren, dense.

Limestone: white light gray light cream, microxln-cryptoxln, soft matrix, mostly barren, slightly chalky slightly pyritic in part, poor visible porosity, no shows noted, even white fluorescence, with Chert: white opaque, barren, sharp

Limestone: light cream light gray tan light brown brown, microxln, dense, fossiliferous hash, slight relxn. porositv nearly completly recemented resultina in poor-no porositv. no shows noted. ev

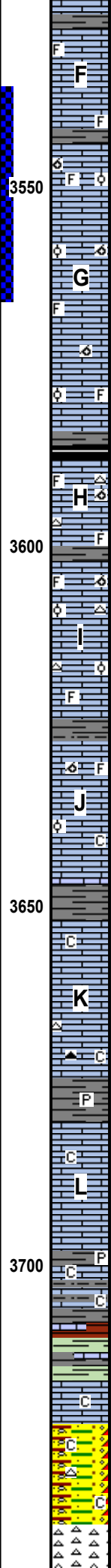
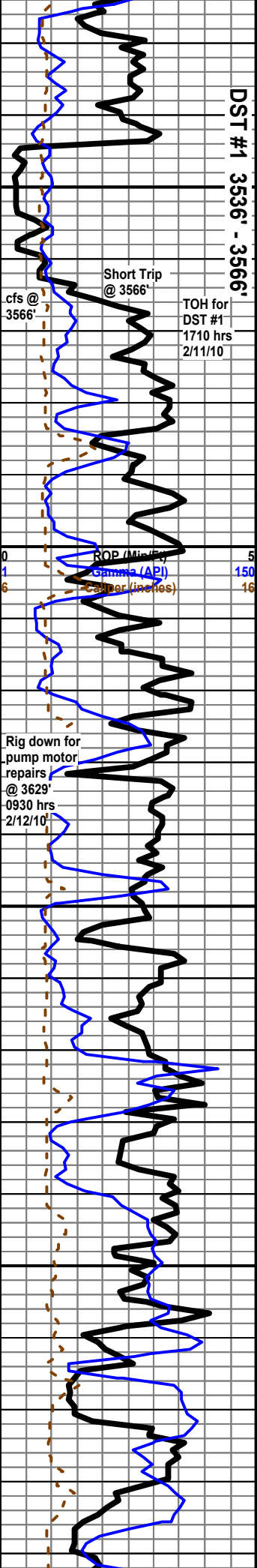


Shale Kick

TG, C1-C5 100

Mud-Co Mud Ck @ 3484'
1040 hrs 2/11/10
Vis 48 Wt 9.3
PV 9 YP 19
WL 9.5
Cake 1/32
PH 9.5
CHL 12,000 ppm
Cal 160
Sol 6.4
LCM: 3 #/bbl
DMC: \$1,057.20
CMC: \$9,468.80

Lighter Test



pale yellow mineral fluorescence, with scattered Chert as above.

Limestone: white cream light brown, cryptoxn-microxn, slightly fossiliferous, abundant chalk and chert, scattered poor interxn porosity, no shows noted, no fluorescence with Chert: white opaque, sharp, fossiliferous, dense.

cfs 3566' 20" - Limestone: cream light tan, microxn-cryptoxn, dense, fossiliferous, oomoldic with some oolitic, good-excellent oomoldic porosity, slight show dark brown free oil droplets in tray, scattered pieces bleeding dark brown free oil from porosity, golden brown saturated stain and dark black dead stain associated with porosity, faint odor in cup, even bright yellow fluorescence.

cfs 3566' 40" - Limestone: cream light tan light brown, microxn-cryptoxn, dense, fossiliferous, oolitic, oomoldic, fair-good oomoldic porosity, trace dark black dead stain in porosity, no other shows noted, even pale yellow fluorescence, with Chert: white, mostly barren, sharp.

Resume Drilling 0605 hrs 2/12/11

Limestone: cream light gray, microxn, dense, heavily fossiliferous and oolitic, oomoldic grading to slightly oomoldic, fair-poor oomoldic porosity, slight trace dark black dead stain in porosity, no other shows noted, trace pale yellow fluorescence to no fluorescence, with trace Chert: white, barren, sharp.

Muncie Creek 3584 (-1605)

Shales: gray silver black green red, micaceous, fissile, soft, slightly carbonaceous.

Limestone: light cream light gray, microxn, dense, heavily fossiliferous with some oolitic, trace oomoldic, poor visible/oomoldic porosity, no shows noted, no fluorescence, with Chert: cream gray barren.

Limestone: white cream light cream, cryptoxn-microxn, mostly dense, heavily fossiliferous with some oolitic and fossiliferous hash, oomoldic in part with small to large molds, slight rexn in molds, poor-fair oomoldic/interxn porosity, poor show dark brown oil in porosity in few pieces and dark black saturated stain associated in porosity, no other shows noted, pale yellow fluorescence in rock with shows, with trace Chert: white cream opaque, barren, sharp.

Shales: mixed gray, round to blocky, micaceous

Resume Drilling 1550 hrs 2/12/10

Limestone: white light cream light gray, microxn-cryptoxn, scattered fossiliferous with trace oolitic and oomoldic, chalky, trace 2ndary rexn, poor oomoldic/interxn porosity, no shows noted, no fluorescence noted.

Stark Shale 3647 (-1668)

Limestone: white light cream light gray, cryptoxn-microxn, dense, mostly non descript barren, chalky, trace crystalline material, poor visible porosity, no shows noted, no fluorescence noted.

Limestone: white cream light gray, mostly lithographic, non descript barren, slightly chalky, trace crystalline material, poor visible porosity, no shows noted, no fluorescence, with scattered Chert: cream orange brown, round, barren.

Shales: mixed grays green brown red black, mostly round, pyritic and micaceous in part.

Limestone: cream white light gray light brown, cryptoxn with lithographic, mostly soft, chalky in part, trace fossiliferous with mostly barren non descript, poor visible porosity, no shows noted, no fluorescence noted, overall decrease in Chert from above and still carrying abundant Shale from above.

Base KC 3697 (-1718)

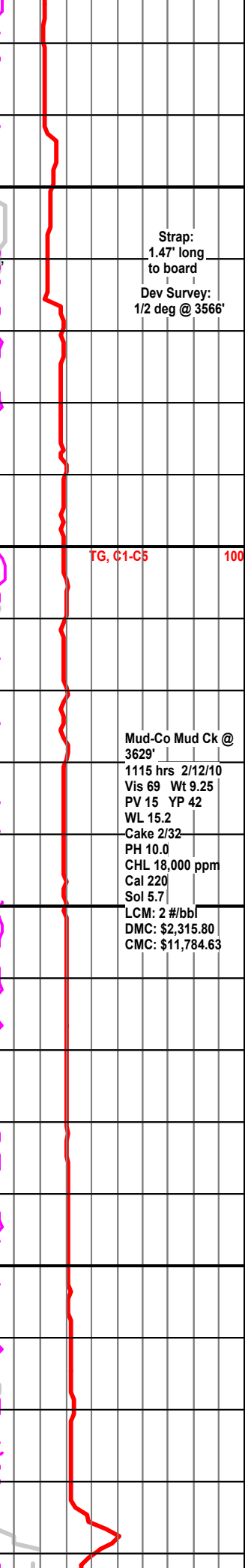
INTERBEDDED: Limestone: cream light brown, microxn with some lithographic, dense, mostly non descript barren, chalky, no shows noted, no fluorescence noted, with Shales: gray dark gray, soft to dense, waxy, round to blocky, pyritic in part.

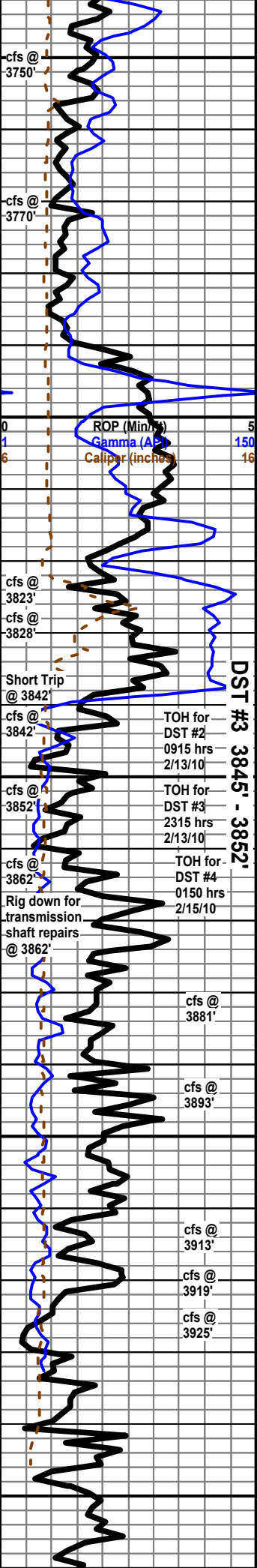
Shales: gray dark gray green red purple, mostly soft, waxy, round to blocky, some fissile, with Limestone as above.

Conglomerate: Limestone: cream light gray light brown, lithographic, dense, mostly non descript barren, chalky, poor visible porosity, no shows noted, no fluorescence noted, with Shales as above, trace Chert: orange cream white, sharp, barren, sample washes red.

Viola 3736 (-1757)

cfs 3750' 40" - Chert: white cream yellow trace orange, dense, fresh and weathered, vitreous, tripolitic in part, poor pinpoint porosity, black gilsonitic flakey staining, very slight trace light brown free





droplets in tray, gilsonitic pieces bleeding gas bubbles, very faint no odor in cup, spotty bright yellow fluorescence.

Chert: white cream yellow orange, dense, fresh and weathered, vitreous, tripolitic in part, poor pinpoint porosity, decrease in gilsonitic staining, no show free oil, decrease in visible bleeding gas bubbles, no odor in cup, spotty bright yellow fluorescence.

cfs 3770' 30"/45" - Chert: white cream, dense, fresh and weathered, vitreous, tripolitic in part, trace small vugs, overall poor pinpoint porosity with trace vuggy porosity, increase in black/brown gilsonitic flakey staining, trace light brown free oil droplets in tray and slightly bleeding from porosity, bleeding gas bubbles from porosity as above, very faint odor in cup, spotty bright yellow fluorescence in Chert pieces and even pale yellow fluorescence over rest of sample.

Chert: white cream yellow, fresh and weathered, vitreous, tripolitic in part, overall poor pinpoint porosity, black/brown gilsonitic flakey staining, trace light brown free oil droplets in tray and slight show light brown oil bleeding from porosity along with gas bubbles, faint-poor odor in cup, trace golden brown saturated stain, fluorescence as above.

Simpson Shale 3790 (-1811)

Shales: mixed, gray green turquoise, soft to dense, round to blocky, some waxy, still carrying abundant Chert from above.

Shales: mixed, gray green turquoise, red yellow purple pink, soft to dense, round to blocky, some fissile, some waxy, with Chert: white bone white cream yellow, sharp, barren.

Conglomerate: INTERBEDDED Limestone: cream gray, cryptoxln, non descript, trace Chert: tan brown white, vitreous, weathered with gilsonitic staining, Shale: as above, and Sandstone stringers: light cream light brown with clear frosted fine-medium grains, subrounded-subangular quartz grains, well cemented and sorted, fair intergranular porosity, fair show light brown free oil droplets in tray, fair show bleeding brown free oil, trace black dead oil filmy and flakey in part, fair-good odor in cup.

Arbuckle 3839 (-1860)

cfs 3842' 30"/45" - Dol: It cream cream lt pink, microxln-vfxln, dense, poor xln dev w/ scat subrhombic dev, poor-fair interxln por, trace lt brn free oil droplets in tray (from above??), slightly bleeding gas bubbles from por w/ inc when broken, no show oil from por, good gassy/sulfur odor in cup, even bright lt yellow fl.

Resume Drilling 2115 hrs 2/13/10

cfs 3852' 30" - Dol: cream, microxln-vfxln, oolitic/oomoldic, good oomoldic por, slight rexn in molds, scattered dk brn-lt brw free oil droplets in tray, bleeding gas bubbles and slight show free oil from porosity w/ increase in both when broken and left under lamp, golden brn sat w/ scat dk brn/blk staining/tarry dead oil, good odor in cup, even bright yellow fl.

cfs 3852' 45" - above grading to Dol: white lt cream, vfxln-fxln, subrhombic-fair rhombic dev, scat vugs, fair-good interxln/vuggy por, scat dk brn free oil droplets in tray, bleeding gas and poor show free oil from por, heavy blk tarry dead oil staining, good odor in cup, even bright yellow fl.

Resume Drilling 0000 hrs 2/15/10

cfs 3862' 30"/45" - Dol: It cream lt pink, vfxln-microxln, sucrosic, friable, trace small vugs, fair interxln/vuggy por, scat lt brn free oil droplets in tray, slightly bleeding brn free oil and gas bubbles w/ good inc under lamp and broken, grading to Dol: pink off white, fxln-coarsexln, dense, fair-good rhombic dev, slightly chalky, fair-good interxln por w/ rexn in por, slightly bleeding gas w/ fair-good oil in por, good inc in both when broken, trace dk brn sat stain, good odor, even yellow fl.

Resume Drilling 1345 hrs 2/15/10

cfs 3881' 30"/45" - Dol: It cream, microxln w/ some vfxln, dense and tight, poor xln dev w/ some subrhombic, chalky and slightly pyritic, poor interxln por, slight rexn in por, poor-no show free oil in samples, very slight show oil/gas when broken/left under lamp in scat samples, grading to Dol: lt cream cream, fxln-vfxln, subrhombic-poor rhombic, trace small vugs, chalky, fair-poor interxln/vuggy por, slight rexn in por, poor-no show as above, fair-poor odor, even bright pale yellow fl.

cfs 3893' 30"/45" - Dol: cream lt cream, vfxln, subsucrosic-subrhombic, less dense slightly friable, fair-poor interxln por, no show free oil in tray, slight show lt brn oil when broken in scat pieces, grading to Dol: It cream, micro-vfxln, dec in xln dev from above, poor xln por, no show free oil/gas, poor odor in cup, even bright pale yellow fl, w/ scat Pyrite nodules in tray.

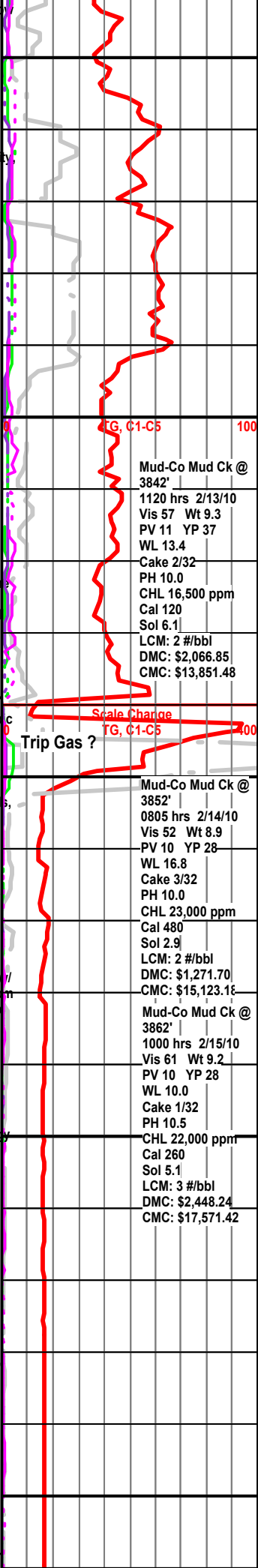
3894'-3898' - Dol: cream, vfxln-microxln, poor xln dev, some oolitic, poor interxln por, no shows, no odor in cup, even pale yellow/green-white fl, w/ abundant chalk.

cfs 3913' 30"/45"/60" - Dol: cream, fxln-vfxln, subrhombic-fair rhombic dev, very chalky, fair-poor interxln por w/ rexn in por, no shows noted, w/ microxln-vfxln, scat poor oomoldic, poor oomoldic por, no shows noted, grading to Dol: cream, fxln-coarsexln, fair-good rhombic dev, dense and tight, fair interxln por w/ fair rexn in por, no free oil in tray, few pieces showing lt brn oil when broken, w/ some scattered Dol: oomoldic, fair-poor oomoldic por, no shows in these pieces, white fl.

cfs 3919' 45"/60" - Dol: rhombic as above w/ mostly fxln and slight trace poor oomoldic as above, chalky, no shows noted, even white fl.

cfs 3925' 60" - Dol: cream, fxln-vfxln as above grading to Dol: It cream, microxln, oomoldic w/ some oolitic, fair oomoldic por, no shows noted, w/ Chert: white, oolitic, even white fl.

3926'-3930' - Dol: white lt cream, microxln-vfxln, oomoldic, scat vugs, fair-good oomoldic/vuggy por



no shows noted, even white t

3930'-3950' - Dol: It cream off white, microxln-vfxln, poor xln dev w/ some subrhombic dev, slightly chalky, poor interxln por, no shows noted, even white fl.

3951'-3970' - Dol: It cream cream off white, microxln-vfxln, poor xln dev w/ some subrhombic dev, decrease in chalk, poor interxln por, no shows noted, even white fl.

3971'-3985' - Dol: It cream off white, microxln-vfxln, poor xln dev w/ some suburcosic-subrhombic, poor xln por, no shows noted, even white fl.

RTD 3985 (-2006)

Rotary TD @ 3985' 0045 hrs 2/16/10
Superior Well Service Logging TD 3970' (-1991)
Complete Logging Operations 1530 hrs 2/16/10

Geologist Derek W. Patterson off location @ 1645 hrs 2/16/10

Dev Survey:
1 1/4 deg @ 3985

Mud-Co Mud Ck @

3985'

0850 hrs 2/16/10

Vis 57 Wt 9.0

PV 13 YP 31

WL 10.2

Cake 2/32

PH 10.5

CHL 23,000 ppm

Cal 200

Sol 3.6

LCM: 3 #/bbl

DMC: \$1,316.81

CMC: \$18,888.23

TOH for Logging

0245 hrs 2/16/10

TIH to clean up hole after logging tool

encountered impassable bridge 0503 hrs

2/16/10,

TOH for Logging

1020 hrs 2/16/10

ROP (Min/Ft) 5

Gamma (API) 150

Caliper (inches) 16

4000

0

TG, C1

400



CAPTIVA II, LLC

WFY Unit #1 /Casing Report

API#15-145-21600-0000

NE-SE-NE-NW

960' FNL & 2545' FWL

GL: 1970'

Sec. 25, T21s-R16w

KB: 1979'

Pawnee County, Kansas

Anhydrite: 948'

2/09/10

Surface Casing

Spud well at 7:30 a.m. on 2/7/10. Drill a 12¼" hole to 955'. Ran 23 joints of new 8. 5/8"-23# casing, tallied 940.29' and set at 952.29' KB, with a basket @ 330'. Cemented by Allied Cementing with 450 sx 60/40 Poz 2% gel, 3% CC. Plug down at 2:30 p.m. on 2/8/10. Cement did circulate. Welded straps on the bottom 2 joints, welded collars on next two and welded straps on the top 5 joints.

2/17/10

Production Casing

On location @ 12:00 p.m. on 12/16/10. RIH with drill pipe and condition the hole. Laying down drill pipe and collars, Begin running 98 joints 5 ½" (15.5#) casing. Shoe joint was 20.50'. Insert @ 3891.82'. Marker joint was 5 joints off bottom and measured 20.47'. **Set casing @ 3912.32' KB.** Landed casing 73' off RTD 3985' and LTD, 3970' (slough). Ran a basket on bottom of #1 and centralizers on #3, 5, and #7. Landed casing @ 4:30 a.m. (2/17/10). Circulate hole for 90 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 @ 7:00 a.m. and held 1500#. Release pressure and float held. Release Sterling Rig #4 @ 10:00 a.m.



DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES L.L.C**

1217 CANAL BLVD SUITE C
HAYS KS 67601

ATTN: DEREK PATTERSON

25-21S-16W-PAWNEE

WFY UNIT #1

Start Date: 2010.02.12 @ 20:00:00

End Date: 2010.02.13 @ 03:21:30

Job Ticket #: 15889 DST #: 1

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

Printed: 2010.02.12 @ 03:19:31

SHELBY RESOURCES L.L.C
WFY UNIT #1
25-21S-16W-PAWNEE
DST # 1
LKG -G-
2010.02.12



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

ATTN: DEREK PATTERSON

Job Ticket: 15889

DST#: 1

Test Start: 2010.02.12 @ 20:00:00

GENERAL INFORMATION:

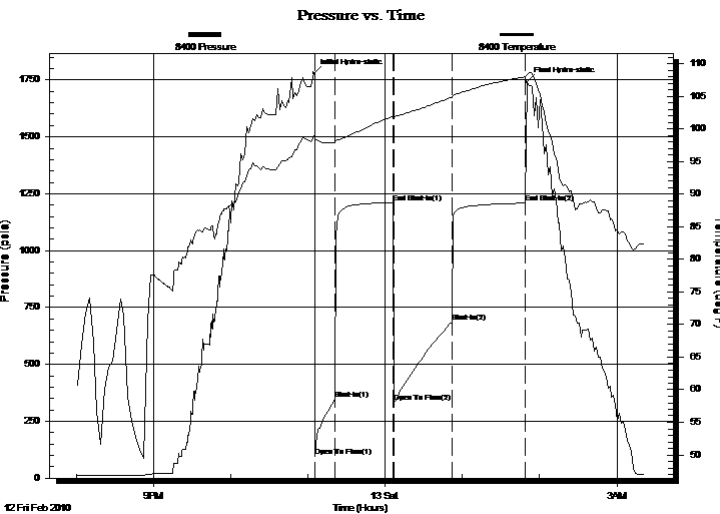
Formation: **LKC -G-**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:05:30
 Time Test Ended: 03:21:30
 Interval: **3536.00 ft (KB) To 3566.00 ft (KB) (TVD)**
 Total Depth: 3566.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 3345 63 M GB
 Reference Elevations: 1979.00 ft (KB)
 1971.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: 685.53 psia @ 3561.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2010.02.12 End Date: 2010.02.13 Last Calib.: 2010.02.12
 Start Time: 20:00:00 End Time: 03:21:30 Time On Btm: 2010.02.12 @ 23:04:30
 Time Off Btm: 2010.02.13 @ 01:50:00

TEST COMMENT: 15-INITIAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 3 MINS
 45-INITIAL SHUT IN WEAK BLOW BACK
 45-FINAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 4 MINS
 60-FINAL SHUT IN SURFACE BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1780.05	99.02	Initial Hydro-static
1	97.90	98.11	Open To Flow (1)
17	348.21	97.95	Shut-In(1)
62	1211.78	101.91	End Shut-In(1)
62	333.31	101.69	Open To Flow (2)
108	685.53	104.83	Shut-In(2)
165	1208.85	107.97	End Shut-In(2)
166	1741.58	108.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GAS IN PIPE 100%G	0.59
180.00	MUDDY WATER 30%M70#W	1.76
1160.00	WATER 100%W	16.96
60.00	WATERY MUD50%M50%W	0.88

Gas Rates

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



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15889

DST#: 1

ATTN: DEREK PATTERSON

Test Start: 2010.02.12 @ 20:00:00

GENERAL INFORMATION:

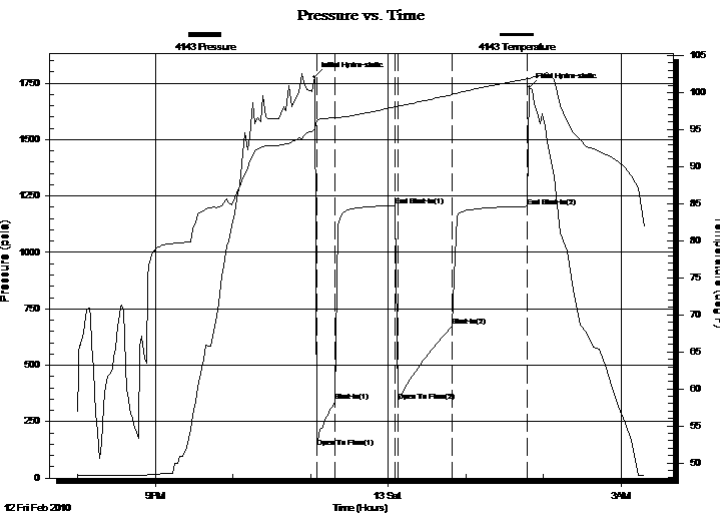
Formation: **LKC -G-**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:05:30
 Time Test Ended: 03:21:30
 Interval: **3536.00 ft (KB) To 3566.00 ft (KB) (TVD)**
 Total Depth: 3566.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 3345 63 M GB
 Reference Elevations: 1979.00 ft (KB)
 1971.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 4143

Outside

Press@RunDepth: 1204.05 psia @ 3561.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2010.02.12 End Date: 2010.02.13 Last Calib.: 2010.02.12
 Start Time: 20:00:00 End Time: 03:18:10 Time On Btm: 2010.02.12 @ 23:03:10
 Time Off Btm: 2010.02.13 @ 01:49:10

TEST COMMENT: 15-INITIAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 3 MINS
 45-INITIAL SHUT IN WEAK BLOW BACK
 45-FINAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 4 MINS
 60-FINAL SHUT IN SURFACE BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1778.57	95.14	Initial Hydro-static
2	134.97	96.25	Open To Flow (1)
16	339.75	96.58	Shut-In(1)
62	1207.21	98.06	End Shut-In(1)
64	341.78	98.14	Open To Flow (2)
106	673.28	99.71	Shut-In(2)
164	1204.05	101.82	End Shut-In(2)
166	1731.86	101.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GAS IN PIPE 100%G	0.59
180.00	MUDDY WATER 30%M70#W	1.76
1160.00	WATER 100%W	16.96
60.00	WATERY MUD50%M50%W	0.88

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

ATTN: DEREK PATTERSON

Job Ticket: 15889

DST#: 1

Test Start: 2010.02.12 @ 20:00:00

Tool Information

Drill Pipe:	Length: 3300.00 ft	Diameter: 3.88 inches	Volume: 48.26 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 80.00 lb
			<u>Total Volume: 49.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3536.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3508.00	
Shut-In Tool	5.00			3513.00	
Hydroic Tool	5.00			3518.00	
Jars	6.00			3524.00	
Safety Joint	2.00			3526.00	
Packer	5.00			3531.00	29.00 Bottom Of Top Packer
Packer	5.00			3536.00	
Perforations	25.00			3561.00	
Recorder	0.00	8400	Inside	3561.00	
Recorder	0.00	4143	Outside	3561.00	
Bullnose	5.00			3566.00	30.00 Bottom Packers & Anchor

Total Tool Length: 59.00



DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15889

DST#: 1

ATTN: DEREK PATTERSON

Test Start: 2010.02.12 @ 20:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 14.20 in³
Resistivity: ohm.m
Salinity: 12000.00 ppm
Filter Cake: inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GAS IN PIPE 100%G	0.590
180.00	MUDDY WATER 30%M70#W	1.759
1160.00	WATER 100%W	16.964
60.00	WATERY MUD50%M50%W	0.877

Total Length: 1520.00 ft Total Volume: 20.190 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

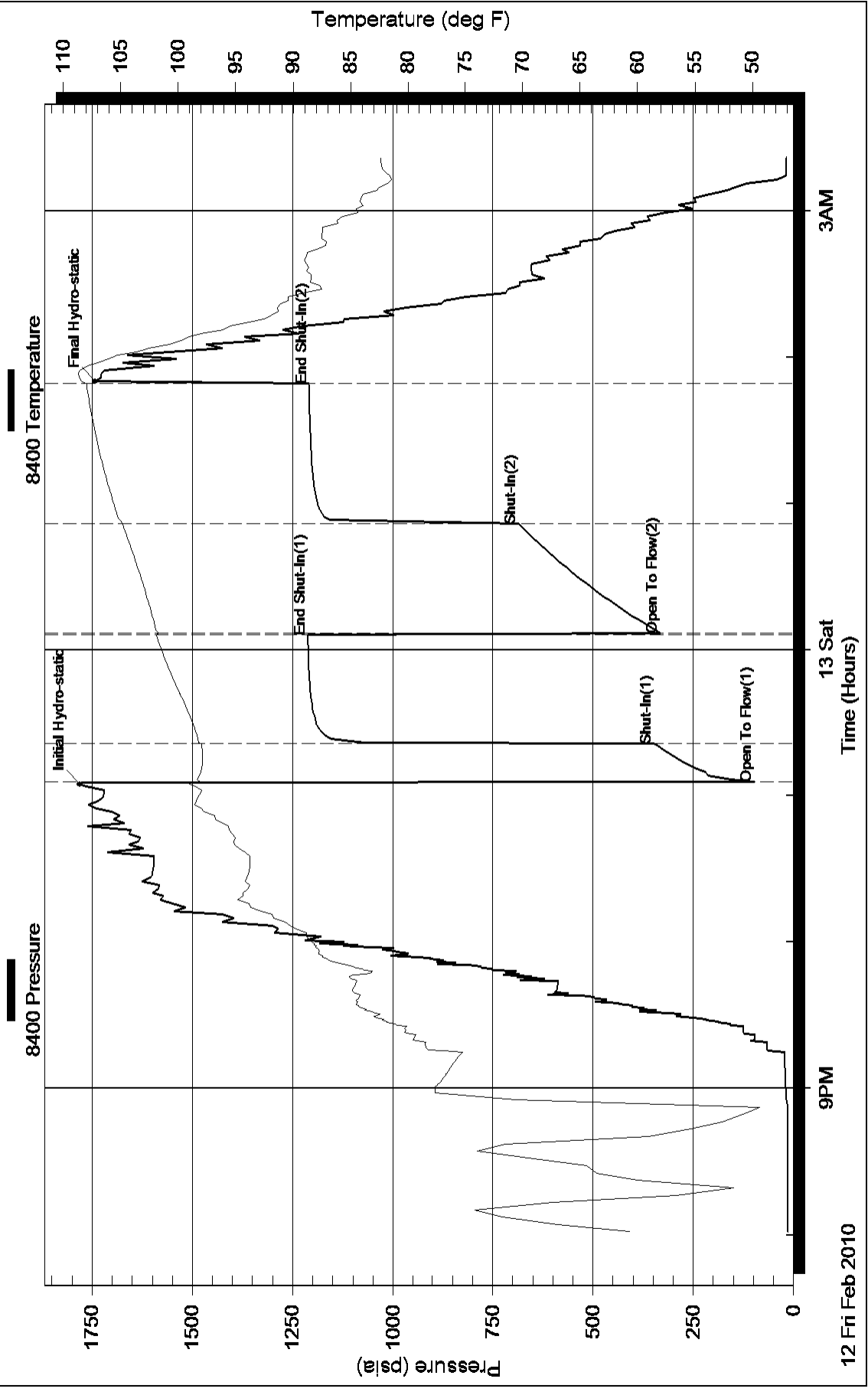
Serial #:

Laboratory Name:

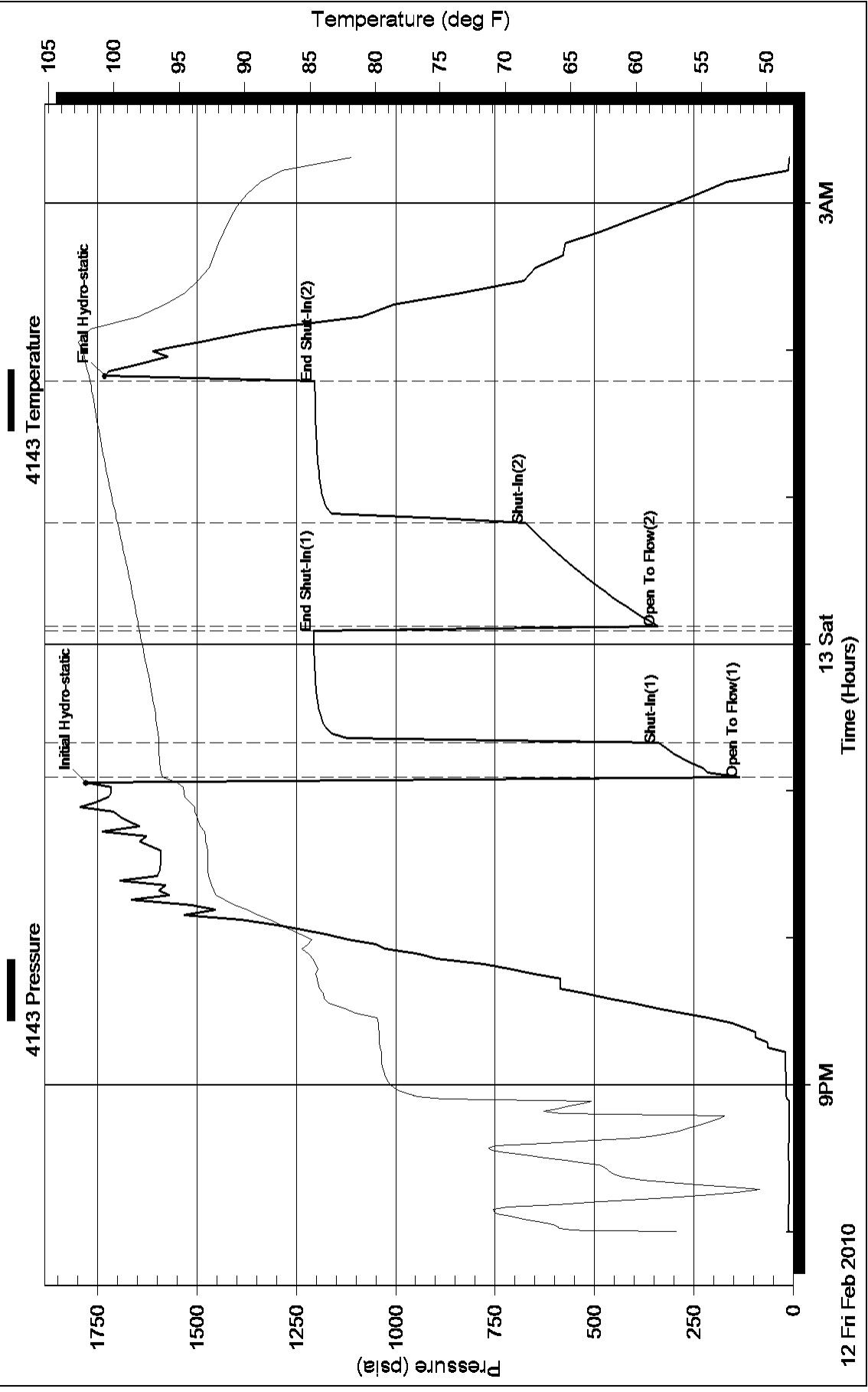
Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES L.L.C**

1217 CANAL BLVD SUITE C
HAYS KS 67601

ATTN: DEREK PATTERSON

25-21S-16W-PAWNEE

WFY UNIT #1

Start Date: 2010.02.13 @ 11:00:00

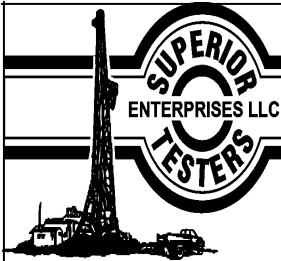
End Date: 2010.02.13 @ 18:13:00

Job Ticket #: 15890 DST #: 2

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

Printed: 2010.02.13 @ 17:57:52

SHELBY RESOURCES L.L.C
WFY UNIT #1
25-21S-16W-PAWNEE
DST # 2
ARBUCKLE
2010.02.13



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15890

DST#: 2

ATTN: DEREK PATTERSON

Test Start: 2010.02.13 @ 11:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:12:00

Time Test Ended: 18:13:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 63 M GB

Interval: 3782.00 ft (KB) To 3842.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 3842.00 ft (KB) (TVD)

1971.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: 727.90 psia @ 3837.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2010.02.13

End Date: 2010.02.13

Last Calib.: 2010.02.13

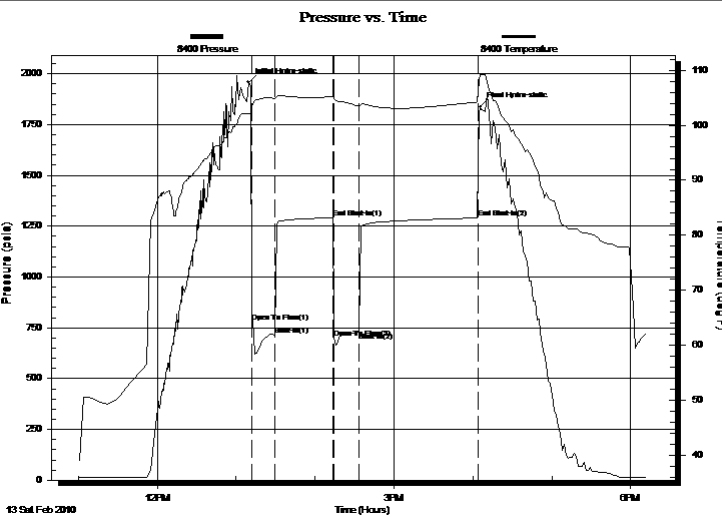
Start Time: 11:00:00

End Time: 18:13:00

Time On Btm: 2010.02.13 @ 13:09:30

Time Off Btm: 2010.02.13 @ 16:05:30

TEST COMMENT: 15-INITIAL OPENING STRONG BLOW BOTTOM OF THE BUCKET IN 10 SEC
45-INITIAL SHUT IN SURFACE BLOW BACK
20-FINAL OPENING STRONG BLOW BACK BOTTOM OF THE BUCKET IN 20 SEC
90-FINAL SHUT IN LEFT 2 INCH OPEN TO BLEED OF GAS



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1957.59	102.07	Initial Hydro-static
3	779.44	103.60	Open To Flow (1)
20	712.48	104.83	Shut-In(1)
64	1291.13	105.19	End Shut-In(1)
65	698.94	104.85	Open To Flow (2)
84	727.90	103.34	Shut-In(2)
174	1290.02	104.24	End Shut-In(2)
176	1836.07	109.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	MUD 100%M	1.47

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	99.00	2846.13
Last Gas Rate	1.00	99.00	2846.13



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

ATTN: DEREK PATTERSON

Job Ticket: 15890

DST#: 2

Test Start: 2010.02.13 @ 11:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:12:00

Time Test Ended: 18:13:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 63 M GB

Interval: 3782.00 ft (KB) To 3842.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 3842.00 ft (KB) (TVD)

1971.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 4143 Outside

Press@RunDepth: 1284.97 psia @ 3837.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2010.02.13

End Date: 2010.02.13

Last Calib.: 2010.02.13

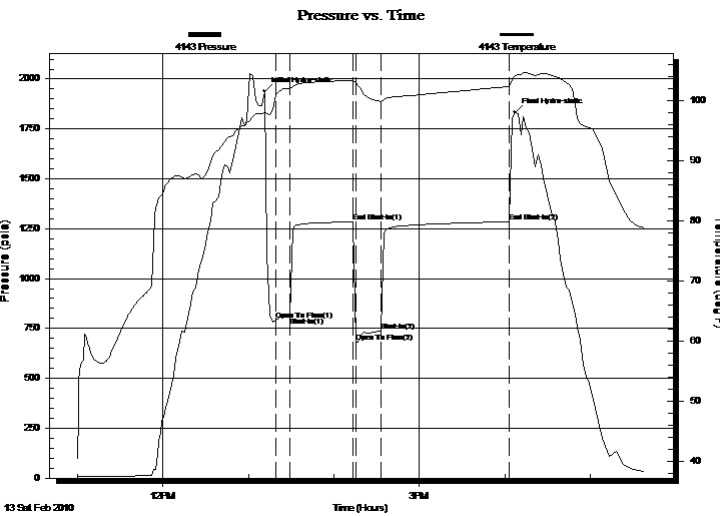
Start Time: 11:00:00

End Time: 17:38:09

Time On Btm: 2010.02.13 @ 13:11:09

Time Off Btm: 2010.02.13 @ 16:07:10

TEST COMMENT: 15-INITIAL OPENING STRONG BLOW BOTTOM OF THE BUCKET IN 10 SEC
45-INITIAL SHUT IN SURFACE BLOW BACK
20-FINAL OPENING STRONG BLOW BACK BOTTOM OF THE BUCKET IN 20 SEC
90-FINAL SHUT IN LEFT 2 INCH OPEN TO BLEED OF GAS



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1937.89	97.95	Initial Hydro-static
9	793.75	101.04	Open To Flow (1)
19	809.07	102.05	Shut-In(1)
63	1285.01	103.43	End Shut-In(1)
65	681.62	103.05	Open To Flow (2)
83	738.86	99.94	Shut-In(2)
173	1284.97	102.39	End Shut-In(2)
177	1833.78	104.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	MUD 100%M	1.47

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	99.00	2846.13
Last Gas Rate	1.00	99.00	2846.13



DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15890

DST#: 2

ATTN: DEREK PATTERSON

Test Start: 2010.02.13 @ 11:00:00

Tool Information

Drill Pipe:	Length: 3546.00 ft	Diameter: 3.88 inches	Volume: 51.86 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 52.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3782.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	89.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3754.00	
Shut-In Tool	5.00			3759.00	
Hydroic Tool	5.00			3764.00	
Jars	6.00			3770.00	
Safety Joint	2.00			3772.00	
Packer	5.00			3777.00	29.00 Bottom Of Top Packer
Packer	5.00			3782.00	
Change Over Sub	0.75			3782.75	
Drill Pipe	31.50			3814.25	
Change Over Sub	0.75			3815.00	
Perforations	22.00			3837.00	
Recorder	0.00	8400	Inside	3837.00	
Recorder	0.00	4143	Outside	3837.00	
Bullnose	5.00			3842.00	60.00 Bottom Packers & Anchor

Total Tool Length: 89.00



DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15890

DST#: 2

ATTN: DEREK PATTERSON

Test Start: 2010.02.13 @ 11:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 13.40 in³

Resistivity: ohm.m

Salinity: 16500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	MUD 100%M	1.471

Total Length: 240.00 ft Total Volume: 1.471 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15890

DST#: 2

ATTN: DEREK PATTERSON

Test Start: 2010.02.13 @ 11:00:00

Gas Rates Information

Temperature: 59 (deg F)

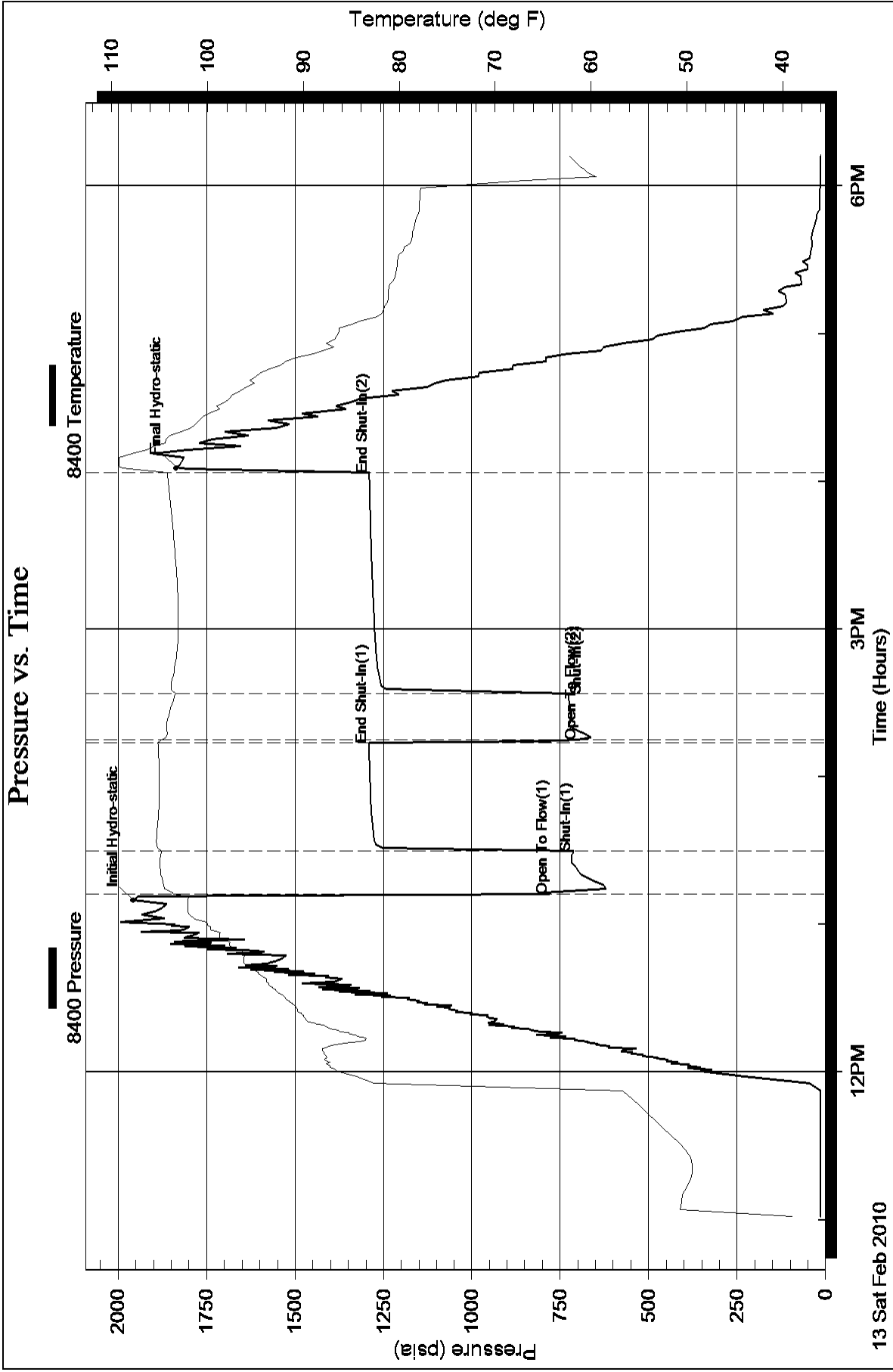
Relative Density: 0.65

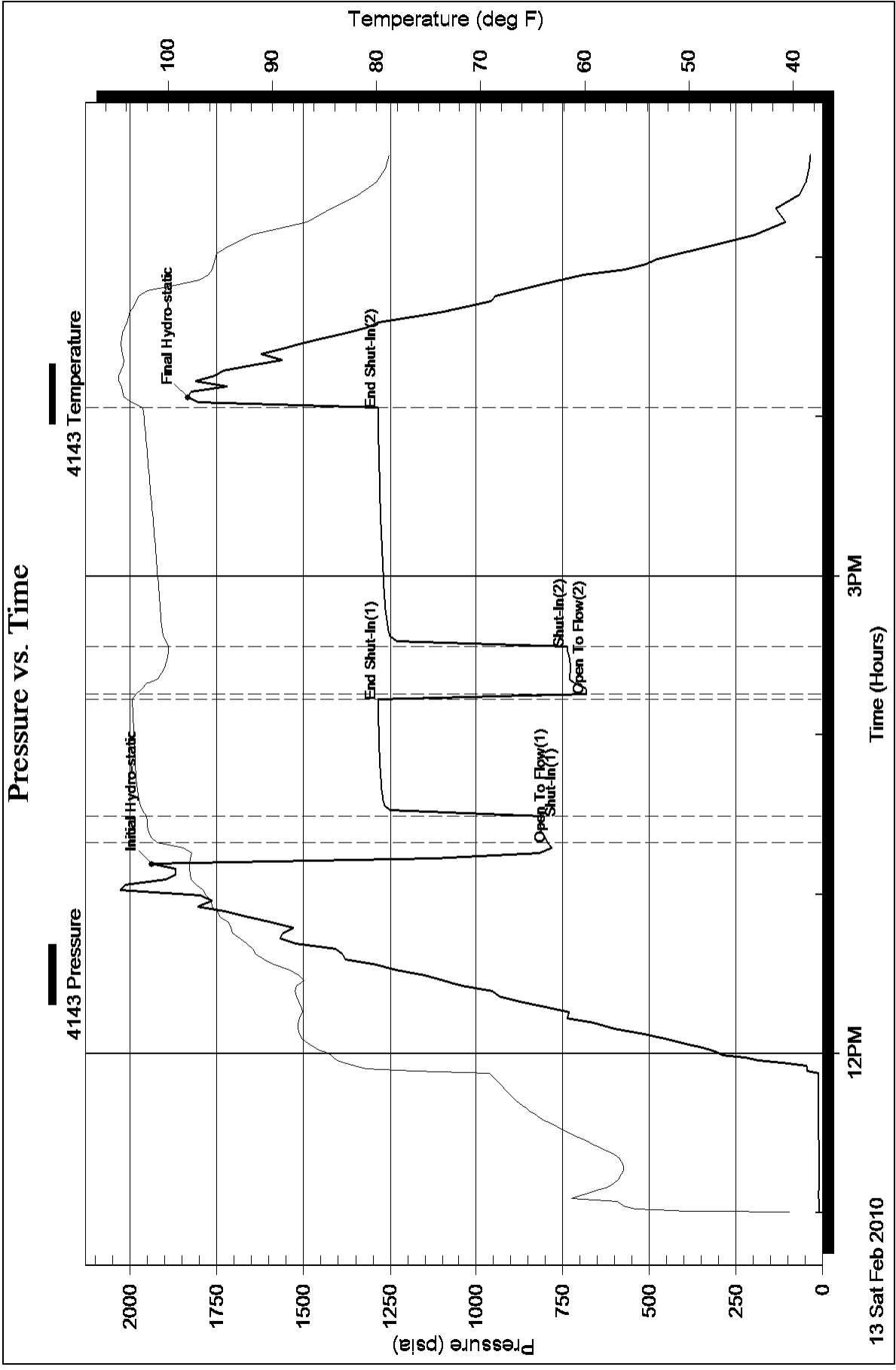
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	10	1.00	99.00	2846.13
2	10	1.00	99.00	2846.13

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES L.L.C**

1217 CANAL BLVD SUITE C
HAYS KS 67601

ATTN: DEREK PATTERSON

25-21S-16W-PAWNEE

WFY UNIT #1

Start Date: 2010.02.14 @ 01:00:00

End Date: 2010.02.14 @ 06:05:00

Job Ticket #: 15891 DST #: 3

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

Printed: 2010.02.14 @ 06:11:20

SHELBY RESOURCES L.L.C
WFY UNIT #1
25-21S-16W-PAWNEE
DST # 3
ARBUCKLE
2010.02.14



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15891

DST#: 3

ATTN: DEREK PATTERSON

Test Start: 2010.02.14 @ 01:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:29:20

Time Test Ended: 06:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 63 M GB

Interval: 3845.00 ft (KB) To 3852.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 3852.00 ft (KB) (TVD)

1971.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: 910.80 psia @ 3847.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2010.02.14

End Date:

2010.02.14

Last Calib.:

2010.02.14

Start Time: 01:00:00

End Time:

06:05:00

Time On Btm:

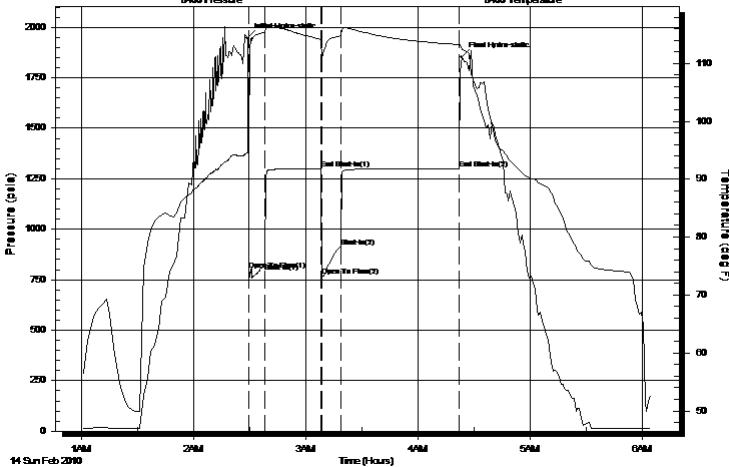
2010.02.14 @ 02:28:50

Time Off Btm:

2010.02.14 @ 04:23:30

TEST COMMENT: 10-INITIAL OPENING STRONG BLOW BOTTOM OF THE BUCKET IN 10 SEC
30-INITIAL SHUT IN WEAK BLOW BACK
15-FINAL OPENING STRONG BLOW BOTTOM OF THE BUCKET IN 20 SEC
60-FINAL SHUT IN LEFT OPEN TO BLEED OF H2S GAS

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1948.55	94.63	Initial Hydro-static
1	799.39	96.87	Open To Flow (1)
10	830.74	115.43	Shut-In(1)
40	1298.50	114.11	End Shut-In(1)
40	769.69	110.87	Open To Flow (2)
50	910.80	114.72	Shut-In(2)
114	1298.51	113.25	End Shut-In(2)
115	1853.03	112.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	MUDDY WATER 40%M60%W	0.34
360.00	WATER 100	3.77

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	68.00	1954.92
Last Gas Rate	1.00	68.00	1954.92



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

ATTN: DEREK PATTERSON

Job Ticket: 15891

DST#: 3

Test Start: 2010.02.14 @ 01:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:29:20

Time Test Ended: 06:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 63 M GB

Interval: 3845.00 ft (KB) To 3852.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 3852.00 ft (KB) (TVD)

1971.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 4143 Outside

Press@RunDepth: 1294.11 psia @ 3847.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2010.02.14

End Date: 2010.02.14

Last Calib.: 2010.02.14

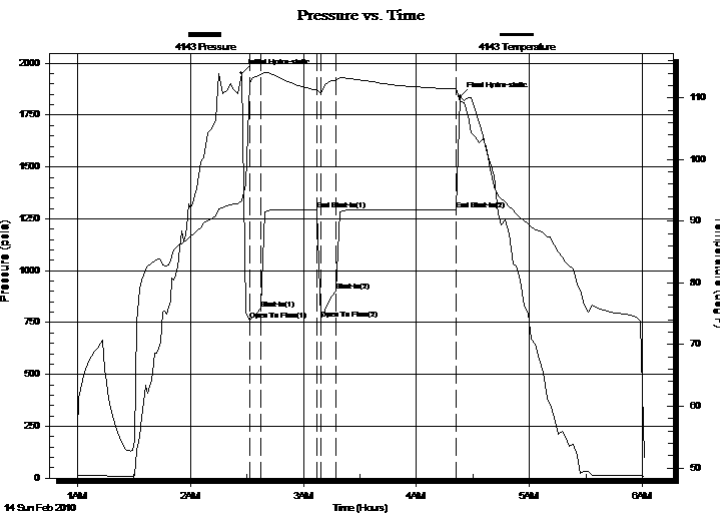
Start Time: 01:00:00

End Time: 06:01:09

Time On Btm: 2010.02.14 @ 02:27:10

Time Off Btm: 2010.02.14 @ 04:23:10

TEST COMMENT: 10-INITIAL OPENING STRONG BLOW BOTTOM OF THE BUCKET IN 10 SEC
30-INITIAL SHUT IN WEAK BLOW BACK
15-FINAL OPENING STRONG BLOW BOTTOM OF THE BUCKET IN 20 SEC
60-FINAL SHUT IN LEFT OPEN TO BLEED OF H2S GAS



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1951.87	93.38	Initial Hydro-static
4	759.75	112.53	Open To Flow (1)
10	817.75	113.71	Shut-In(1)
40	1294.39	111.28	End Shut-In(1)
42	768.69	110.62	Open To Flow (2)
50	901.76	112.88	Shut-In(2)
114	1294.11	111.45	End Shut-In(2)
116	1839.19	109.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	MUDDY WATER 40%M60%W	0.34
360.00	WATER 100	3.77

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	68.00	1954.92
Last Gas Rate	1.00	68.00	1954.92



DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15891

DST#: 3

ATTN: DEREK PATTERSON

Test Start: 2010.02.14 @ 01:00:00

Tool Information

Drill Pipe:	Length: 3612.00 ft	Diameter: 3.80 inches	Volume: 50.67 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 51.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	3845.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	31.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3822.00	
Shut-In Tool	5.00			3827.00	
Hydroic Tool	5.00			3832.00	
Jars	6.00			3838.00	
Safety Joint	2.00			3840.00	
Packer	5.00			3845.00	24.00 Bottom Of Top Packer
Perforations	2.00			3847.00	
Recorder	0.00	8400	Inside	3847.00	
Recorder	0.00	4143	Outside	3847.00	
Bullnose	5.00			3852.00	7.00 Anchor Tool
Total Tool Length:	31.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15891

DST#: 3

ATTN: DEREK PATTERSON

Test Start: 2010.02.14 @ 01:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 13.40 in³

Resistivity: ohm.m

Salinity: 16500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	MUDDY WATER 40%M60%W	0.344
360.00	WATER 100	3.775

Total Length: 430.00 ft Total Volume: 4.119 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15891

DST#: 3

ATTN: DEREK PATTERSON

Test Start: 2010.02.14 @ 01:00:00

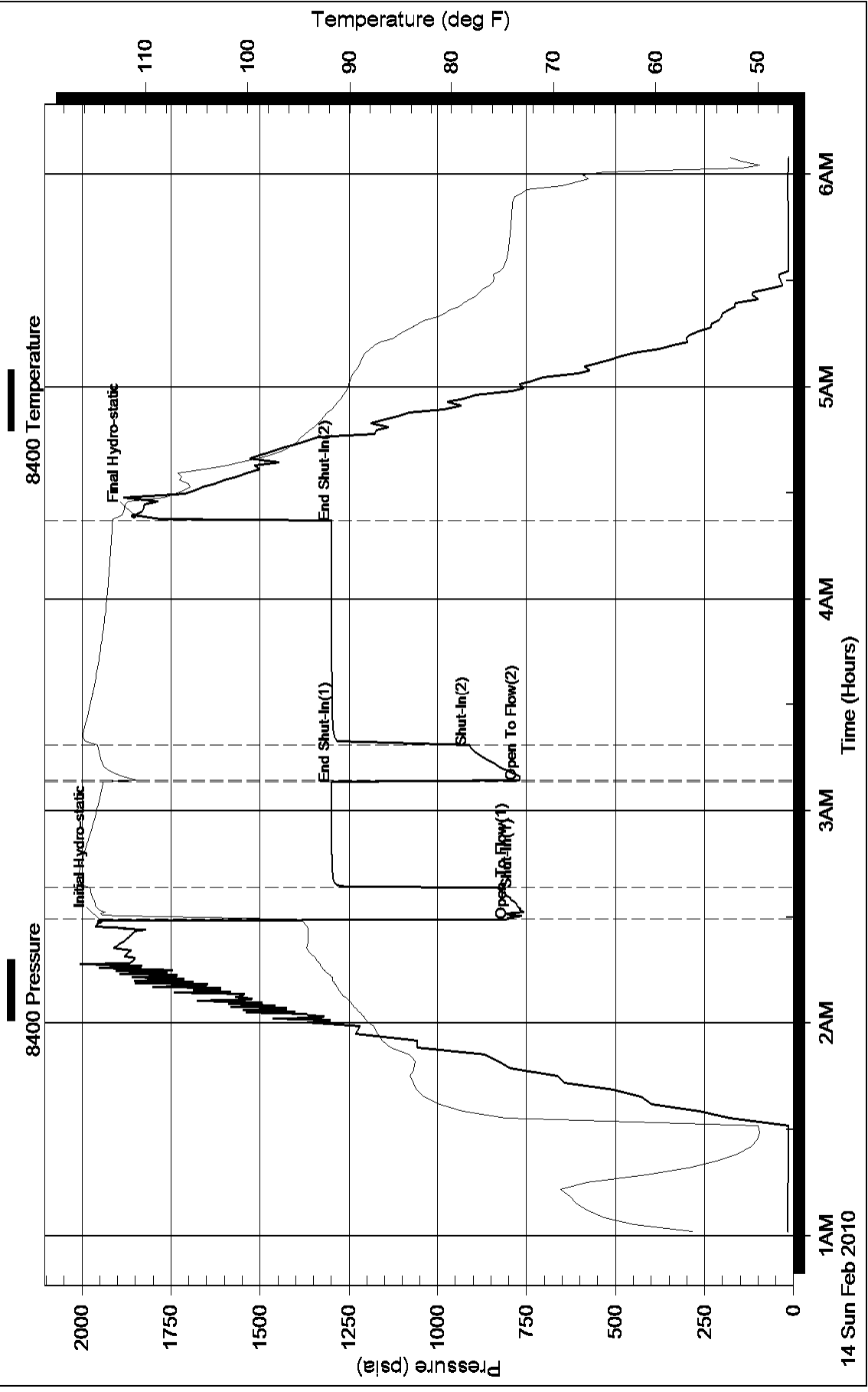
Gas Rates Information

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

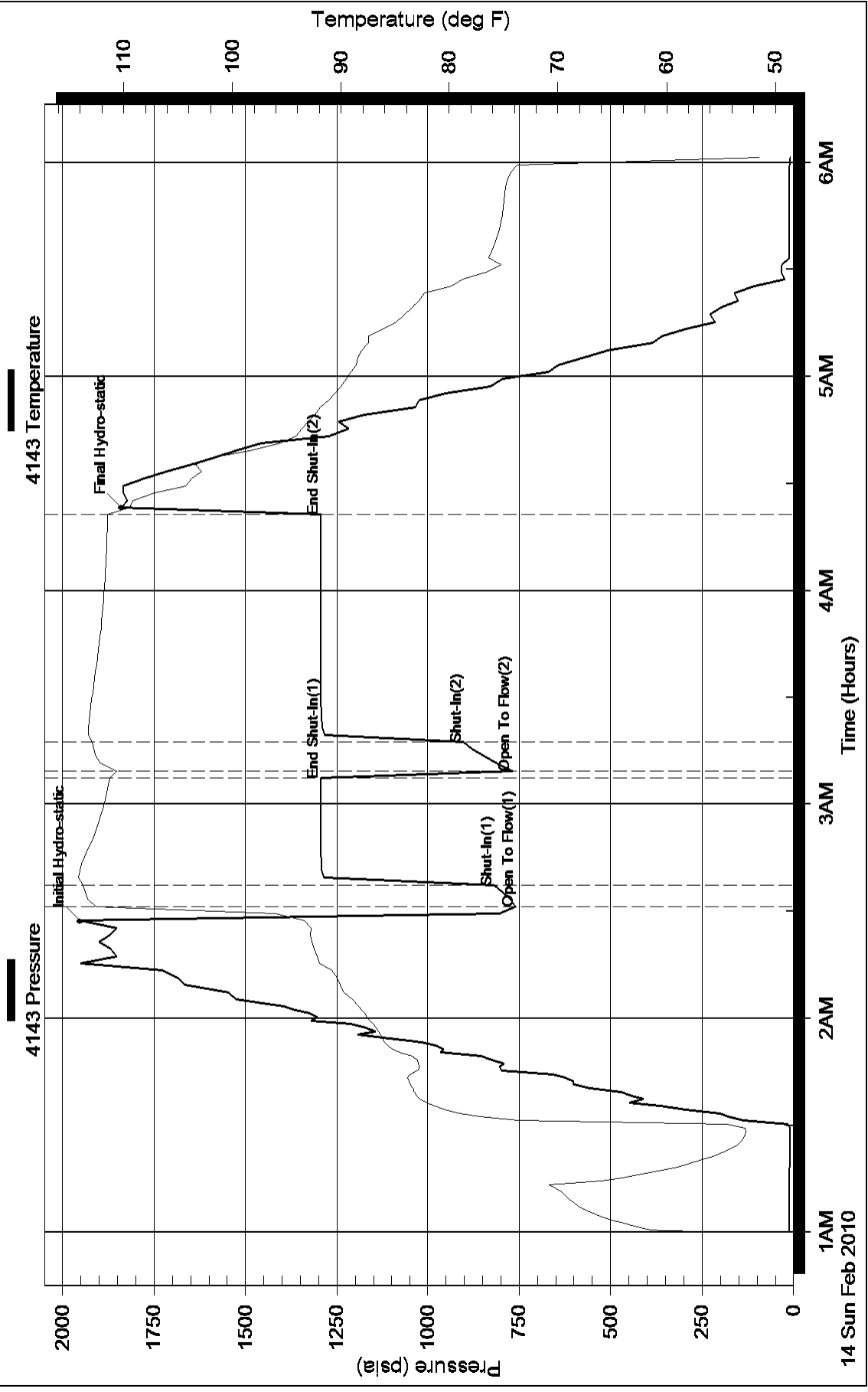
Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
1	10	1.00	68.00	1954.92
2	8	1.00	68.00	1954.92

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES L.L.C**

1217 CANAL BLVD SUITE C
HAYS KS 67601

ATTN: DEREK PATTERSON

25-21S-16W-PAWNEE

WFY UNIT #1

Start Date: 2010.02.15 @ 15:00:00

End Date: 2010.02.15 @ 21:51:30

Job Ticket #: 15892 DST #: 4

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

Printed: 2010.02.15 @ 10:38:06

SHELBY RESOURCES L.L.C
WFY UNIT #1
25-21S-16W-PAWNEE
DST # 4
ARBUCKLE
2010.02.15



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15892

DST#: 4

ATTN: DEREK PATTERSON

Test Start: 2010.02.15 @ 15:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:04:00

Time Test Ended: 21:51:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 63 M GB

Interval: 3853.00 ft (KB) To 3862.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 3862.00 ft (KB) (TVD)

1971.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: 644.37 psia @ 3857.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2010.02.15

End Date: 2010.02.15

Last Calib.: 2010.02.15

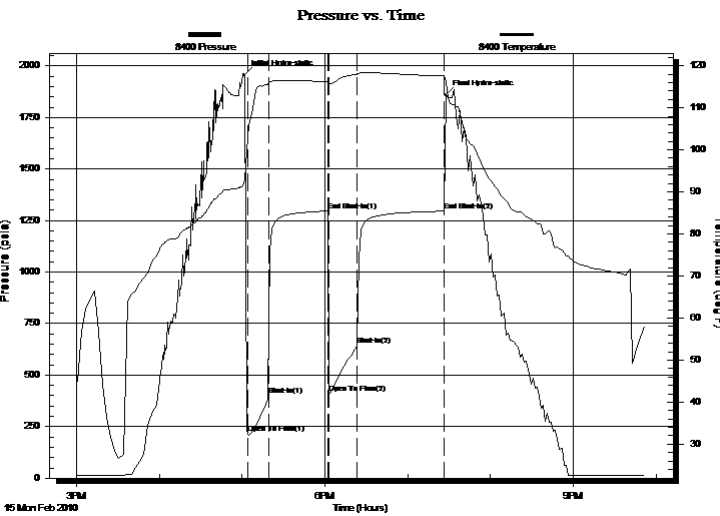
Start Time: 15:01:00

End Time: 21:51:30

Time On Btm: 2010.02.15 @ 17:02:00

Time Off Btm: 2010.02.15 @ 19:27:30

TEST COMMENT: 15-INITIAL OPENING FAIR BLOW BUILT TO BOTTOM BUCKET IN 3 MINS
45-INITIAL SHUT IN STRONG BLOW BACK
20-FINAL OPENING FAIR BLOW BUILT TO BOTTOM OF BUCKET IN 2 MINS
60-FINAL SHUT IN STRONG BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1958.34	92.77	Initial Hydro-static
2	216.93	102.82	Open To Flow (1)
17	403.18	115.74	Shut-In(1)
60	1295.62	116.23	End Shut-In(1)
61	413.69	115.84	Open To Flow (2)
82	644.37	118.03	Shut-In(2)
145	1295.32	117.58	End Shut-In(2)
146	1859.79	116.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MUDDY WATER 30%M70%W	0.89
1080.00	WATER 100%W	15.50

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	1.87
Last Gas Rate	0.13	5.00	1.87



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15892

DST#: 4

ATTN: DEREK PATTERSON

Test Start: 2010.02.15 @ 15:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:04:00

Time Test Ended: 21:51:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 63 M GB

Interval: 3853.00 ft (KB) To 3862.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 3862.00 ft (KB) (TVD)

1971.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 4143 Outside

Press@RunDepth: 1291.00 psia @ 3857.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2010.02.15

End Date: 2010.02.15

Last Calib.: 2010.02.15

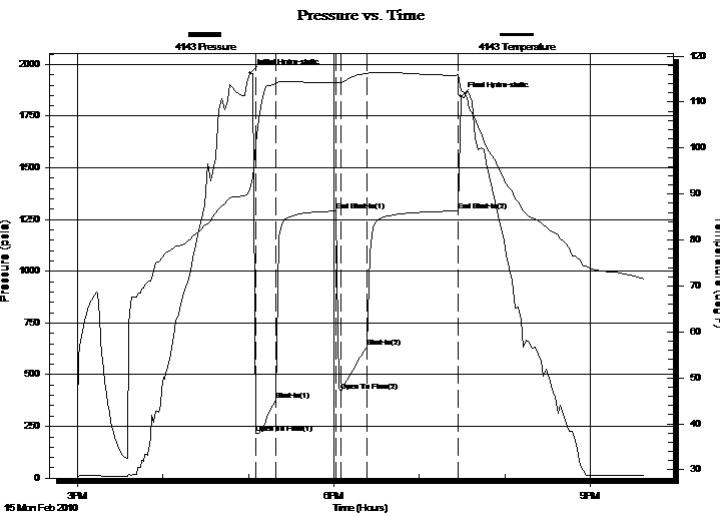
Start Time: 15:00:01

End Time: 21:38:10

Time On Btm: 2010.02.15 @ 17:01:10

Time Off Btm: 2010.02.15 @ 19:29:10

TEST COMMENT: 15-INITIAL OPENING FAIR BLOW BUILT TO BOTTOM BUCKET IN 3 MINS
45-INITIAL SHUT IN STRONG BLOW BACK
20-FINAL OPENING FAIR BLOW BUILT TO BOTTOM OF BUCKET IN 2 MINS
60-FINAL SHUT IN STRONG BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1957.28	90.82	Initial Hydro-static
4	214.76	100.86	Open To Flow (1)
18	377.59	114.09	Shut-In(1)
60	1291.22	114.21	End Shut-In(1)
64	420.03	114.20	Open To Flow (2)
82	632.47	116.21	Shut-In(2)
147	1291.00	115.92	End Shut-In(2)
148	1846.00	112.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MUDDY WATER 30%M70%W	0.89
1080.00	WATER 100%W	15.50

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	1.87
Last Gas Rate	0.13	5.00	1.87



DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15892

DST#: 4

ATTN: DEREK PATTERSON

Test Start: 2010.02.15 @ 15:00:00

Tool Information

Drill Pipe:	Length: 3620.00 ft	Diameter: 3.88 inches	Volume: 52.94 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 53.97 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3853.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	33.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3830.00	
Shut-In Tool	5.00			3835.00	
Hydroic Tool	5.00			3840.00	
Jars	6.00			3846.00	
Safety Joint	2.00			3848.00	
Packer	5.00			3853.00	24.00 Bottom Of Top Packer
Perforations	4.00			3857.00	
Recorder	0.00	8400	Inside	3857.00	
Recorder	0.00	4143	Outside	3857.00	
Bullnose	5.00			3862.00	9.00 Anchor Tool
Total Tool Length:	33.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15892

DST#: 4

ATTN: DEREK PATTERSON

Test Start: 2010.02.15 @ 15:00:00

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: 16.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 23000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MUDDY WATER 30%M70%W	0.885
1080.00	WATER 100%W	15.503

Total Length: 1260.00 ft Total Volume: 16.388 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

SHELBY RESOURCES L.L.C

WFY UNIT #1

1217 CANAL BLVD SUITE C
HAYS KS 67601

25-21S-16W-PAWNEE

Job Ticket: 15892

DST#: 4

ATTN: DEREK PATTERSON

Test Start: 2010.02.15 @ 15:00:00

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 (psia)	Gas Rate (Mcf/d)
2	10	0.13	5.00	1.87
2	10	0.13	5.00	1.87

Pressure vs. Time

