



Scale 1:240 Imperial

Well Name: Nancy #2-17
 Surface Location: 2260' FSL 2440' FWL Sec 17-17S-13W
 Bottom Location:
 API: 15-009-25892-00-00
 License Number:
 Spud Date: 10/17/2013 Time: 7:45 PM
 Region: Barton County
 Drilling Completed: 10/24/2013 Time: 5:30 PM
 Surface Coordinates: Y = 694361 & X = 1916405
 Bottom Hole Coordinates: Y = & X =
 Ground Elevation: 1984.00ft
 K.B. Elevation: 1997.00ft
 Logged Interval: 2800.00ft To: 3565.00ft
 Total Depth: 3565.00ft
 Formation: Lansing-Kansas City
 Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Shelby Resources, LLC
 Address: 445 Union Blvd, Suite 208
 Lakewood, CO 80228
 Contact Geologist: Janine Sturdavant
 Contact Phone Nbr: 303-907-2209 / 720-274-4682
 Well Name: Nancy #2-17
 Location: 2260' FSL 2440' FWL Sec 17-17S-13W API: 15-009-25892-00-00
 Pool: Field: Wildcat
 State: Kansas Country: USA

LOGGED BY



Company: Shelby Resources, LLC
 Address: 445 UNION BLVD. Suite 208
 LAKEWOOD, CO. 80228
 Phone Nbr: 203-671-6034
 Logged By: Geologist Name: Jeremy Schwartz

NOTES

The Shelby Resources Nancy #2-17 was drilled to a total depth of 3565', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

Four DST's were conducted throughout the Lansing Kansas City and Arbuckle Zones. The DST reports can be found at the bottom of this log.

Due to the DST results, sample shows, gas kicks, and log analysis it was determined by all parties involved to further test the well through production pipe. The dry samples were saved and will be available for further review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Respectfully Submitted,
Jeremy Schwartz
Geologist

NOTE: Elog depths are 2' Higher/Shallower to the Drill Time so all DST's need to be adjusted 2' Higher

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: N/S Co-ord: Y = 694361
 E/W Co-ord: X = 1916405

Latitude:

CONTRACTOR

Contractor: Sterling Drilling Co
 Rig #: 5
 Rig Type: mud rotary
 Spud Date: 10/17/2013
 TD Date: 10/24/2013
 Rig Release:
 Time: 7:45 PM
 Time: 5:30 PM
 Time:

ELEVATIONS

K.B. Elevation: 1997.00ft
 K.B. to Ground: 13.00ft
 Ground Elevation: 1984.00ft

DATE	DEPTH	ACTIVITY
Monday, October 21, 2013	3000'	Geologist Jeremy Schwartz on location @ 1000hrs, DRLG ahead through King Hill, Queen Hill, Heebner, Toronto, Douglas, Brown Lime, LKC, Short Trip, Strap out,
	3300'	Drop survey, Conduct DST #1 in LKC "A-D"
Tuesday, October 22, 2013	3300'	DRLG ahead through LKC F, G, Conduct DST #2 in LKC "F-G"
Wednesday, October 23, 2013	3321'	DRLG ahead through LKC lower G, Muncie Creek, LKC H, Stark Shale, BKC,
	3455'	Conduct DST #3 in LKC "H-K"
Thursday, October 24, 2013	3455'	DRLG ahead through BKC, Conglomerate, Arbuckle, Conduct DST #4 in the Arbuckle
	3485'	DRLG ahead to TD @ 3565', TD reached @ 1730hrs, Conduct Logging Operations
Friday, October 25, 2013	3565'	Logging Operations Completed @ 0015hrs
		Geologist Jeremy Schwartz off location @ 0045hrs

CLIENT:	SHELBY RESOURCES, LLC
WELL NAME:	NANCY #2-17
LEGAL:	2260' FSL & 2440' FWL 17-17S-13W
COUNTY:	BARTON
API:	15-009-25892-0000
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG #:	5
DOGHOUSE #:	620-388-5433
TOOLPUSHER:	ALAN LOFTIS
CELL #:	620-388-2736

		SHELBY RESOURCES, LLC				SHELBY RESOURCES, LLC				SHELBY RESOURCES, LLC							
		NANCY #2-17				NANCY #1-17				HOFFMAN #1-18				CLARKSON #1-17			
		C SW SW NW 17-17S-13W				C N/2 SW NW 17-17S-13W				C S/2 NE 18-17S-13W				SW SE 17-17S-13W			
		KB		1997		KB		1992		KB		1945		KB		1974	
		LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.	
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	
ANHYDRITE TOP	939	1058	939	1058	928	1064	-	6	-	6	890	1055	+	3	+	3	
BASE	965	1032	951	1046	956	1036	-	4	+	10	917	1028	+	4	+	18	
KING HILL	2994	-997	2997	-1000	2986	-994	-	3	-	6	2942	-997	+	0	-	3	
QUEEN HILL	3059	-1062	3060	-1063	3050	-1058	-	4	-	5	3005	-1060	-	2	-	3	
HEEBNER SHALE	3146	-1149	3148	-1151	3138	-1146	-	3	-	5	3092	-1147	-	2	-	4	
TORONTO	3163	-1166	3166	-1169	3156	-1164	-	2	-	5	3109	-1164	-	2	-	5	
DOUGLAS SHALE	3173	-1176	3174	-1177	3166	-1174	-	2	-	3	3119	-1174	-	2	-	3	
BROWN LIME	3229	-1232	3230	-1233	3218	-1226	-	6	-	7	3173	-1228	-	4	-	5	
LKC	3238	-1241	3240	-1243	3228	-1236	-	5	-	7	3182	-1237	-	4	-	6	
LKC G	3309	-1312	3311	-1314	3300	-1308	-	4	-	6	3250	-1305	-	7	-	9	
MUNCIE CREEK	3365	-1368	3362	-1365	3354	-1362	-	6	-	3	3309	-1364	-	4	-	1	
LKC H	3372	-1375	3369	-1372	3361	-1369	-	6	-	3	3316	-1371	-	4	-	1	
STARK SHALE	3425	-1428	3424	-1427	3413	-1421	-	7	-	6	3369	-1424	-	4	-	3	
BKC	3452	-1455	3450	-1453	3438	-1446	-	9	-	7	3397	-1452	-	3	-	1	
ARBUCKLE	3473	-1476	3473	-1476	3476	-1484	+	8	+	8	3412	-1467	-	9	-	9	
RTD			3565	-1568	3539	-1547	-	15	-	21	3525	-1580			+	12	
LTD	3476	-1479			3537	-1545	+	66			3526	-1581	+	102			

PROGNOSIS	
ANHYDRITE TOP	933 1064
HEEBNER SHALE	3143 -1146
LKC	3233 -1236
BKC	3443 -1446
ARBUCKLE	3483 -1486
RTD	3550 -1553

TESTED
 DST #1 (3228 - 3287) LKC A-D
 15-60-60-120
 1ST OPEN STRONG - BOB 3MIN
 BB BOB 7MIN
 2ND OPEN STRONG BOB 3.5MIN/GTS 45MIN
 BB BOB 4MIN
 504' MCOG (G 50%, O 40%, M 10%)
 300' MCGO (O 75%, G 20%, M 5%)
 SIP: 639 - 664
 DST #2 (3287 - 3312) LKC F-G
 15-60-60-120
 1ST OPEN STRONG - BOB 9MIN

TESTED
 DST #1 (3176-3237) LKC A-D
 IF BOB 2M
 FF - BOB <1M
 BOB BLO BKS
 180'M
 1980' OIL, 120' OGCM
 982# / 1038#
 DST #2 (3238-3261) LKC F-G
 IF BOB 1M, BL BK BOB
 FF - BOB 1M, BL BK BOB
 970' CGO, 60' OCM
 780# / 718#

TESTED
 DST #1 (3206-3280) LKC B
 IF - WK TO 2.5"
 FF - WK TO 3.5"
 180'M
 596# / 312#
 DST #2 (3330-3412) LKC H-K
 IF - STRONG TO BOB 15M
 FF - STRONG TO BOB 10M
 FSI BOB - 43M
 240'GIP, 130' SGO, 120' SGO CM
 860# / 877#

BB BUILT TO 1IN
 2ND OPEN STRONG - BOB 2MIN
 BB BUILT TO 3IN
 156' CGO (O 75%, G 30%)
 126' GMD (O 40%, M 40%, G 20%)
 SIP: 640 - 636

DST #3 (3335 - 3452) LKC H-K
 15-60-10
 1ST OPEN WEAK - BUILT TO 1/2IN
 NO BB
 2ND OPEN DEAD
 15'M
 SIP: 936 - N/A

DST #3 (3300-3390)
 IF FAIR TO BOB 3M, BOB BL BK
 FF - BOB 1M, GTSD 55M
 FSI BOB BL BK
 1380' CO, 120' OCM
 1113# / 1122#








DST #4 (3388-3422) ARBUCKLE
 IF WK TO 7", WK BLO BK
 FF - WK TO 10" - NO BLO BK
 230' CO, 90' OCM
 1101# / 1086#

DST #5(3423-3444) ARBUCKLE
 IF GOOD TO BOB 2M, WK BLO BK
 FF - GOOD TO BOB 3M, NO BLO BK
 15' CO, 1500' WTR W/ TR OIL
 60' WCM
 1146# / 1142#

DST #3 (3416-3450) ARBUCKLE
 IF - VERY WK SURFACE
 FF - NO BLOW
 4' DRILLING MUD
 923# / 998#

DST #4 (3450-3458) ARBUCKLE
 IF - WK BLOW TO 2"
 FF - NO BLOW
 5' DRILLING MUD
 1307# / 1094#

ROCK TYPES

 Congl	 Lmst fw < 7	 shale, gry	 shale, red
 Dolprim	 shale, grn	 Carbon Sh	

ACCESSORIES










FOSSIL
 ^ Bioclastic or Fragmental
 F Fossils < 20%

STRINGER
 ~ Chert
 ▨ Shale
 ■ red shale

TEXTURE
 C Chalky

OTHER SYMBOLS

MISC

-  Daily Report
-  Digital Photo
-  Document
-  Folder
-  Link
-  Vertical Log File
-  Horizontal Log File
-  Core Log File
-  Drill Cuttings Rpt

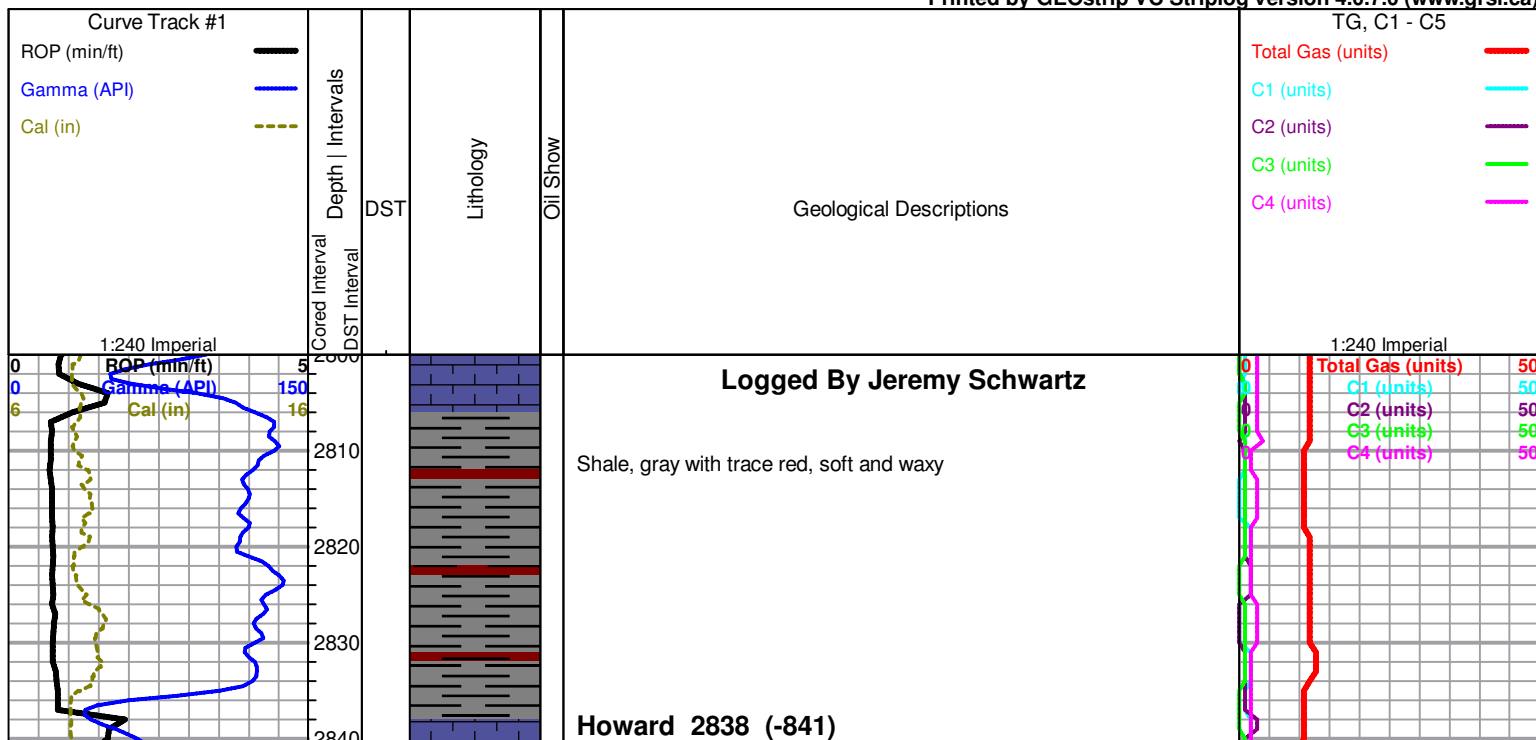
Oil Show

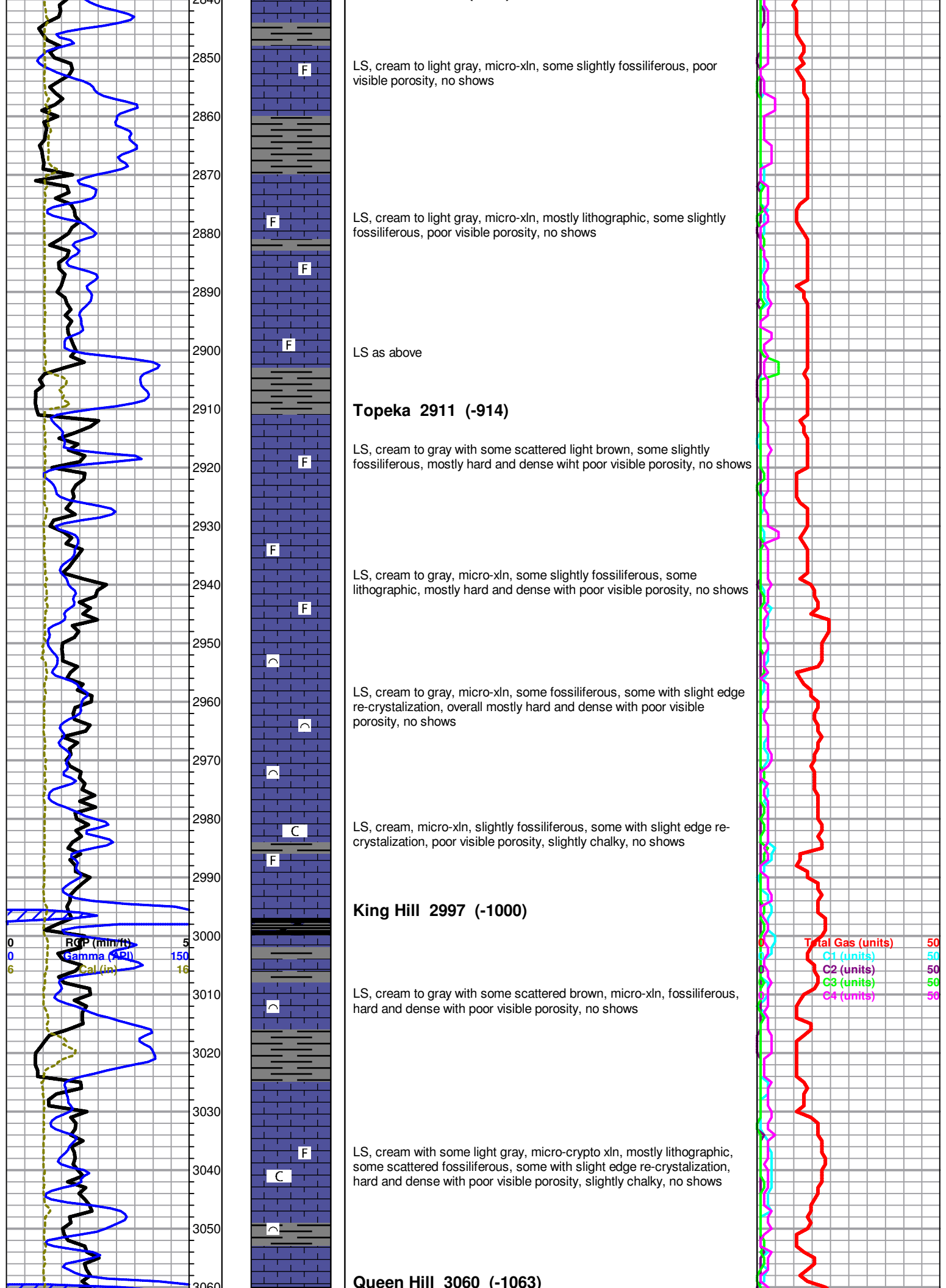
- Good Show
- Fair Show 50-75
- Poor Show 25-50
- Spotted or Trace 1-25
- Questionable Strn
- D Dead Oil Strn
- Fluorescence
- * Gas

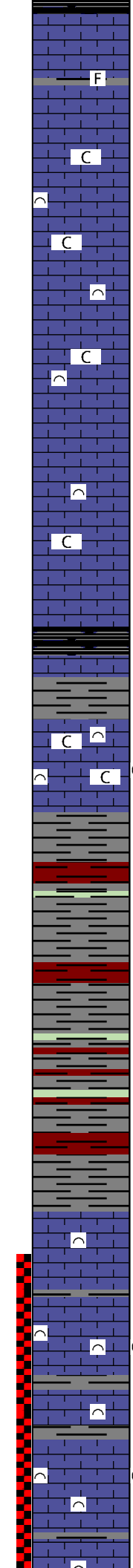
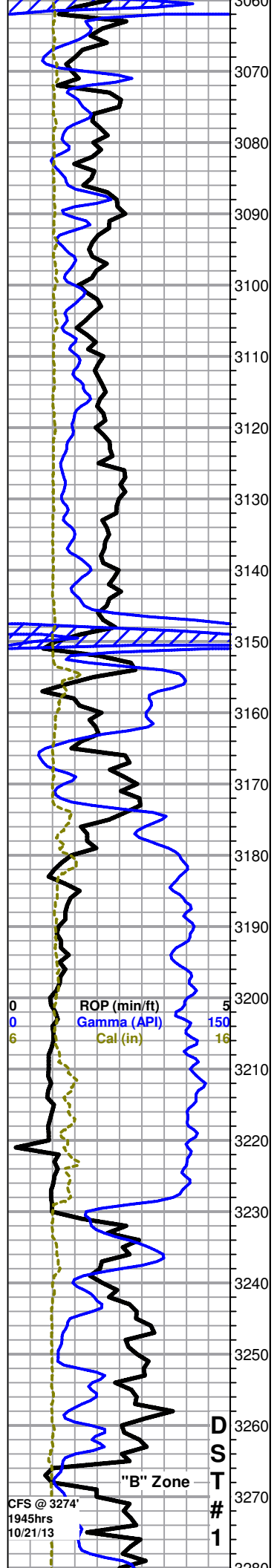
DST

- DST Int
- DST alt

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LS, cream with some scattered gray and light brown, micro-xln, few chips crypto-xln, slightly fossiliferous, hard and dense with poor visible porosity, no shows

LS, cream with some gray, micro-xln, some scattered fossiliferous, poor visible porosity, slightly chalky

LS, cream with some scattered light gray, micro-xln with few chips crypto-xln, some fossiliferous, some lithographic, poor visible porosity, slightly chalky, no shows

as above

LS, cream with scattered gray and light brown, micro-xln, some fossiliferous, poor visible porosity, slightly chalky, no shows

LS as above, also with few chips cream, crypto-xln, lithographic, hard and dense with poor visible porosity, no shows

LS, cream to gray with some scattered light brown, micro-xln, some fossiliferous, some lithographic, poor visible porosity, slightly chalky, no shows

Heebner Shale 3148 (-1151)
Shale, black carbonaceous

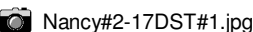
LS, cream, micro-xln, fossiliferous, also with some cream, crypto-xln, lithographic, found one very small chip with few scattered vugs and wet, tarry black stain in vugs, overall sample mostly hard and dense with poor visible porosity, chalky, no odor

Douglas Shale 3174 (-1177)
Shale, gray and red with trace green, soft and waxy

Mixed shales as above

Brown Lime 3230 (-1233)
LS, brown with some scattered gray, fossiliferous, hard and dense with poor visible porosity, no shows

LKC 3240 (-1243)
LS, cream with some scattered gray, micro-xln, some fossiliferous, some lithographic, few chips with few very small edge vugs with black stain in vugs, very slow cut, overall poor visible porosity, no odor



LS, cream to gray, micro-xln, some fossiliferous, mostly hard and dense with poor visible porosity, no shows or odor

LS, cream to gray, micro-xln, fossiliferous, mostly hard and dense with poor visible porosity, also with some oomoldic, micro-xln with fair visible porosity and scattered to mostly saturated light brown stain, instant cut with milky white fluorescence, few chips slowly bleed oil when left under lamp, SSFO in tray (very light brown droplets), fair odor in cup

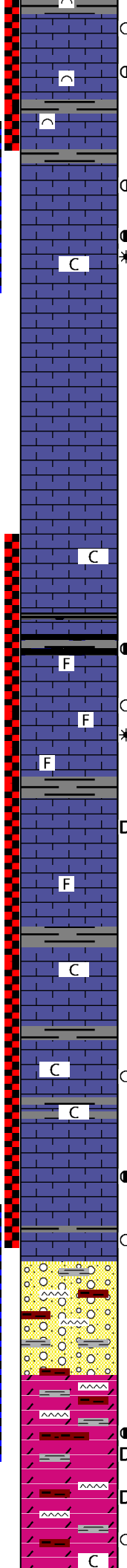
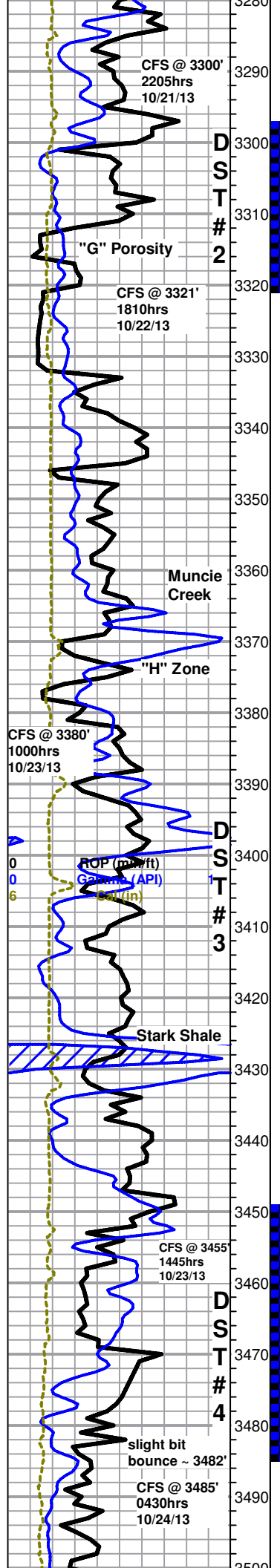
LS, cream with some scattered gray, micro-xln, some fossiliferous, few chips

Mud-Co Mud chk
3074'
10/21/13
Vis: 54, Wt.: 8.7
PV: 17 YP:14
WL: 8.4
Cake 1/32
pH: 10.5
Ca: 20ppm
CHL: 3,500ppm
Sol: 2.7 LCM: 1
DMC: \$1,959.10
CMC: \$7,935.20

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

Total Gas (units) 200
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

Mud-Co Mud chk
3300'
10/22/13
Vis: 51, Wt: 9.2
PV:16 YP:12
WL: 8.8
Cake 1/32
pH: 10.0
Ca: 0ppm
CHL: 5,900ppm
Sol: 6.1 LCM: 1
DMC: \$66.15



LS, slow cut, poor visible porosity, no odor

LS, cream to gray, micro-xln, fossiliferous, mostly dense with poor visible porosity, few chips with very slightly vuggy edges and light golden brown edge stain, very slow cut, found one chip with good visible pinpoint porosity and mostly saturated brown stain, instant streaming cut, NSFO in tray, poor odor in cup

LS, cream, micro-xln, sub-oomoldic to oomoldic, some with scattered light golden brown stain, upon break chips show poor to fair visible porosity and few with slight show free oil and gas bubbles, slow streaming cut with milky white fluorescence, fair show free oil in tray, fair odor in cup

Nancy#2-17DST#2.jpg

LS, cream, micro-xln, sub-oomoldic to oomoldic with poor to fair visible porosity, some chips have scattered very light golden brown stain, upon break chips show brown stain and fair show free oil and gas bubbles bleeding from porosity, fair show free oil in tray, fair odor in cup

LS, cream, micro-xln, sub-oolitic to sub-oomoldic, barren, poor visible porosity, slightly chalky, no shows or odor

LS, cream to gray, micro-xln, mostly lithographic, hard and dense with poor visible porosity, no shows or odor

LS, gray to cream, micro-xln, mostly lithographic, hard and dense with poor visible porosity, no shows or odor

LS as above, slightly chalky, no shows or odor

LS, cream to gray, micro-xln, some slightly fossiliferous, some oomoldic with scattered to mostly saturated black stain, upon break chips show fair visible inter-xln porosity and increased odor, slow streaming cut with milky to bright white fluorescence, also with few chips cream, micro-xln, oomoldic with scattered black stain in oomolds and scattered light golden brown stain in matrix, NSFO, poor odor in cup

LS, cream to gray, micro-xln, some scattered slightly fossiliferous, mostly barren, few chips oomoldic with scattered black stain and fair show gas bubbles coming from porosity, NSFO, poor odor in cup

LS, cream, micro-xln, mostly soft and chalky, some hard and dense, some chips have scattered small vugs with scattered black gilsonitic stain in vugs, slightly chalky, overall poor visible porosity, poor odor

LS, cream to gray, micro-xln, mostly lithographic, few chips slightly fossiliferous, hard and dense with poor visible porosity, no shows or odor

Nancy#2-17DST#3.jpg

LS, cream with some scattered gray, micro-xln, mostly hard and dense, some soft and chalky, slightly chalky sample, no shows or odor

LS, cream, micro-xln, mostly soft and chalky, some hard and dense, few chips with very scattered pinpoint porosity and few very small vugs with scattered to very scattered brown to black stain, very slow cut with milky white fluorescence, poor odor in cup

LS, cream, micro-xln, some soft and chalky, some hard and dense, some with very scattered light golden brown stain and poor visible porosity, few chips with scattered to mostly saturated brown stain, upon break chips show poor to fair inter-xln porosity, slow cut with bright white fluorescence, fair odor in cup

BKC 3450 (-1453)

LS, cream, micro-xln, mostly hard and dense with poor visible porosity, few very small chips with scattered pinpoint porosity and slightly vuggy edges with scattered brown stain, very slow weak cut with dull fluorescence, slightly chalky, also with trace orange to translucent chert and slight influx of gray and red shale, fair odor in cup

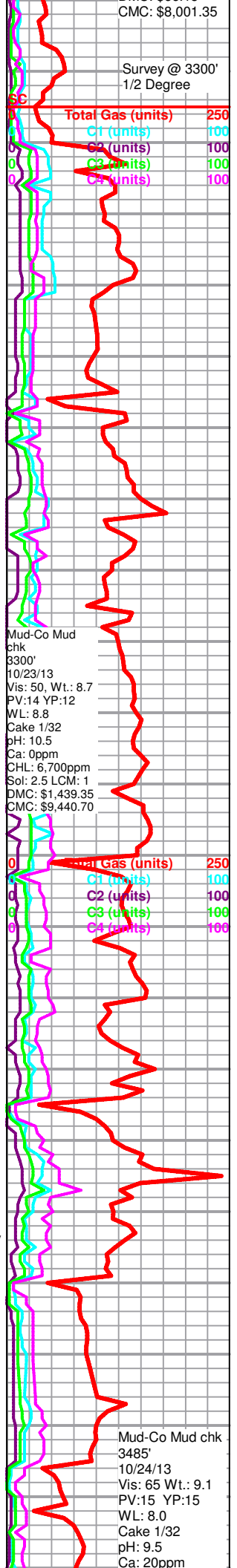
Mixed cream to gray LS, red and gray shales and orange to translucent and white cherts, sample washes red, no shows

Arbuckle 3473 (-1476)

Nancy#2-17DST#4.jpg

3485' 30" Mixed LS, shales, and cherts, also with some dolomite, cream, micro-xln, hard and dense with poor visible porosity, barren, also with some white to light brown, micro-xln, sucrosic, some with very scattered brown to black gilsonitic stain, friable, upon break some chips show scattered inter-xln brown stain and slight show free oil, sample washes red, fair odor in cup

3485' 60" Mixed LS, shales, and cherts as above, also with some dolomite, white to cream, micro-xln, hard and dense with poor visible porosity and



CHL: 8,600ppm
Sol: 5.2 LCM: 1
DMC: \$0.00
CMC: \$9,440.70

3500
3510
3520
3530
3540
3550
3560
3570
3580

D
D

white to cream, micro-xln, hard and dense with poor visible porosity and scattered black gilsonitic stain, few chips cream to light brown, sucrosic, fair rhombic development, fair to good visible porosity with scattered to mostly saturated wet black stain, upon break chips have slight to fair show free oil (black droplets), instant streamin cut with milky white fluorescence, slight red wash, SSFO, fair odor in cup

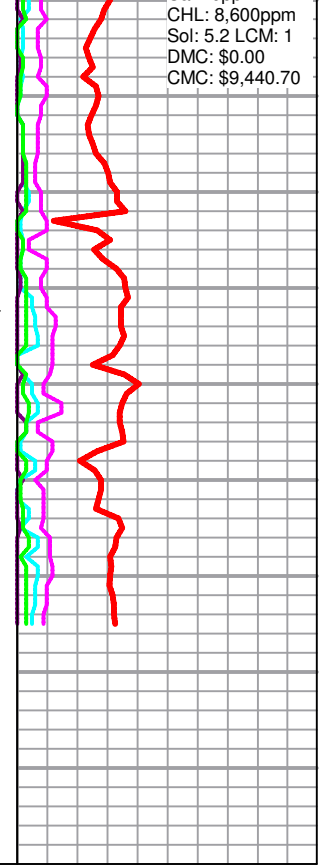
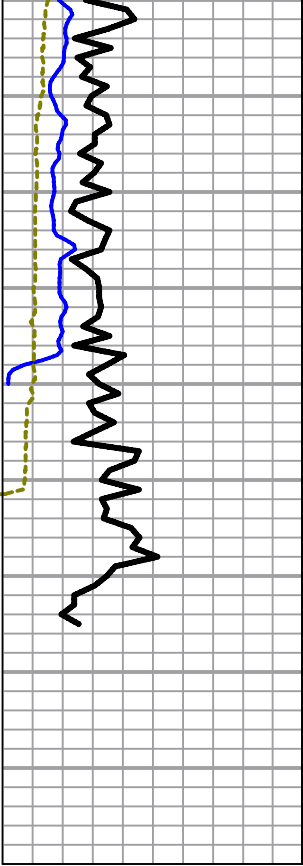
3490' Dolomite, white to light brown, micro-xln, mostly sucrosic, some sub-sucrosic, mostly barren, few chips with very scattered black gilsonitic stain, also with shales and cherts as above, poor odor

3500' Dolomite, cream to white, sub-sucrosic to sucrosic, mostly hard and dense with poor visible porosity, some soft and friable, some with very scattered black gilsonitic stain, also with few chips light brown, sucrosic, with very scattered brown stain, friable, upon break chips show spotted brown inter-xln stain, slightly chalky, samples clenaing up with shales and cherts mostly dropping out, poor odor

3510' Dolomite, cream to white as above, with light brown dropping out, very scattered black gilsonitic stain, found one chip white, micro-xln, sub-sucrosic with slightly vuggy edges and wet, tarry black stain in vugs, poor odor

3520' Dolomite, cream to white, micro-xln, few chips med-xln, some hard and dense, barren, some sub-sucrosic to sucrosic with very scattered black gilsonitic stain, few chips with pyrite inclusions, poor odor

3530' - 3565' Dolomite, cream to white, micro-xln, mostly hard and dense with poor visible porosity, some sub-sucrosic, barren, few chips with pyrite inclusions, also trace white chert and pyrite, poor odor

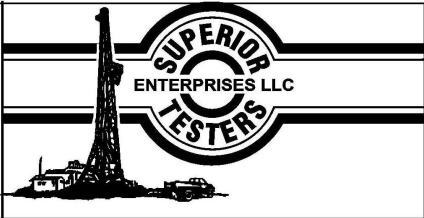


Rotary TD 3565' @ 1730hrs 10/24/13
Nabors Well Services Logging TD @ 3566'
Complete Logging Operations @ 0015hrs 10/25/13
Geologist Jeremy Schwartz off location @ 0045hrs 10/25/13

DRILL STEM TEST REPORT

Shelby Resources LLC
 2717 Canal BLVD.
 Suite C
 Hays Ks, 67601
 ATTN: Jeremy Schwartz

17/17s/13w/Barton
Nancy #2-17
 Job Ticket: 18506 **DST#: 1**
 Test Start: 2013.10.22 @ 04:04:00

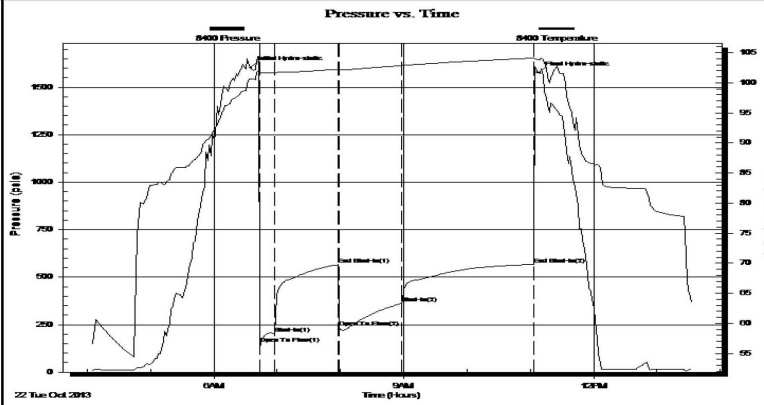


GENERAL INFORMATION:

Formation: **LKC "A-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:43:00
 Time Test Ended: 13:33:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzern
 Unit No: 3330/30/Great Bend
 Interval: **3236.00 ft (KB) To 3300.00 ft (KB) (TVD)**
 Total Depth: 3300.00 ft (KB) (TVD)
 Reference Elevations: 1997.00 ft (KB)
 1984.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 KB to GR/CF: 13.00 ft

Serial #: 8400 Inside
 Press@RunDepth: 362.65 psia @ 3296.40 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.10.22 End Date: 2013.10.22 Last Calib.: 2013.10.22
 Start Time: 04:04:00 End Time: 13:33:30 Time On Btm: 2013.10.22 @ 06:34:30
 Time Off Btm: 2013.10.22 @ 11:07:00

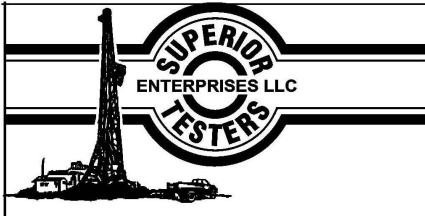
TEST COMMENT: 1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 3 minutes and 45 seconds.
 1st Shut In/ 60 Minutes. Blow back built to 6 inches in 5 gallon bucket.
 2nd Open/ 60 Minutes. Good blow built to bottom of 5 gallon bucket in 5 minutes. Gas to surface in 45 minutes.
 2nd Shut In/ 120 Minutes. Blow back built to bottom of 5 gallon bucket in 6 minutes.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1602.38	100.58	Initial Hydro-static
9	149.36	101.70	Open To Flow (1)
23	204.51	101.63	Shut-In(1)
83	565.64	102.23	End Shut-In(1)
85	235.55	102.12	Open To Flow (2)
144	362.65	102.84	Shut-In(2)
269	566.75	104.10	End Shut-In(2)
273	1576.59	103.86	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
864.00	30% gas, 70% clean oil.	9.65
0.00	Oil gravity corrected w as 41.	0.00

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.50	1.68
Last Gas Rate	0.13	8.25	3.09



DRILL STEM TEST REPORT

Shelby Resources LLC

17/17s/13w/Barton

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

Nancy #2-17

Job Ticket: 18507

DST#: 2

Test Start: 2013.10.22 @ 20:50:00

GENERAL INFORMATION:

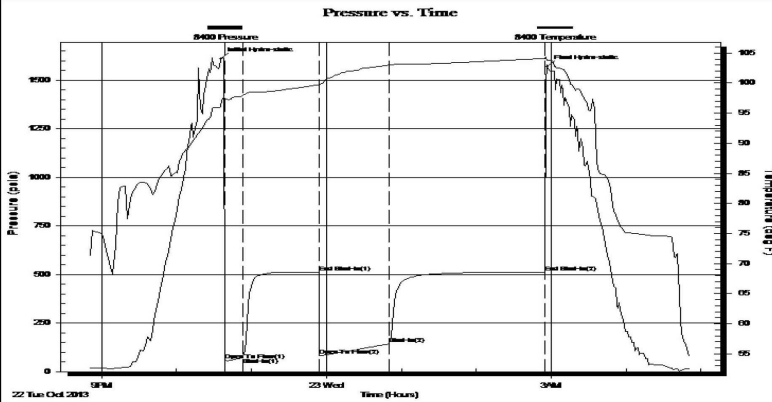
Formation: **LKC "F-G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:38:30
 Time Test Ended: 04:51:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzern
 Unit No: 3330/30/Great Bend
 Interval: **3297.00 ft (KB) To 3321.00 ft (KB) (TVD)**
 Total Depth: 3321.00 ft (KB) (TVD)
 Reference Elevations: 1997.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 KB to GR/CF: 13.00 ft
 1984.00 ft (CF)

Serial #: 8400

Inside

Press@RunDepth: 142.30 psia @ 3317.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.10.22 End Date: 2013.10.23 Last Calib.: 2013.10.23
 Start Time: 20:50:00 End Time: 04:51:30 Time On Btm: 2013.10.22 @ 22:35:30
 Time Off Btm: 2013.10.23 @ 02:57:00

TEST COMMENT: 1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 9 minutes.
 1st Shut In/ 60 Minutes. No blow back.
 2nd Open/ 60 Minutes. Good blow built to bottom of 5 gallon bucket in 10 minutes 30 seconds.
 2nd Shut In/ 120 Minutes. No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1609.68	96.02	Initial Hydro-static
3	57.77	97.32	Open To Flow (1)
18	71.64	97.96	Shut-In(1)
79	512.61	99.71	End Shut-In(1)
79	83.65	99.57	Open To Flow (2)
135	142.30	103.03	Shut-In(2)
260	510.83	104.10	End Shut-In(2)
262	1569.59	103.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	630 feet 100% gas.	0.00
437.00	100% clean gassy oil	3.66
63.00	5% Oil, 5% mud, 90% w ater.	0.88
0.00	Chloride recov. 29000 ppm	0.00
0.00	Resist recov. .22 at 40%	0.00
0.00	Oil gravity corrected w as 41.	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resources LLC

17/17s/13w/Barton

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

Nancy #2-17

Job Ticket: 18508

DST#: 3

Test Start: 2013.10.23 @ 17:25:00



GENERAL INFORMATION:

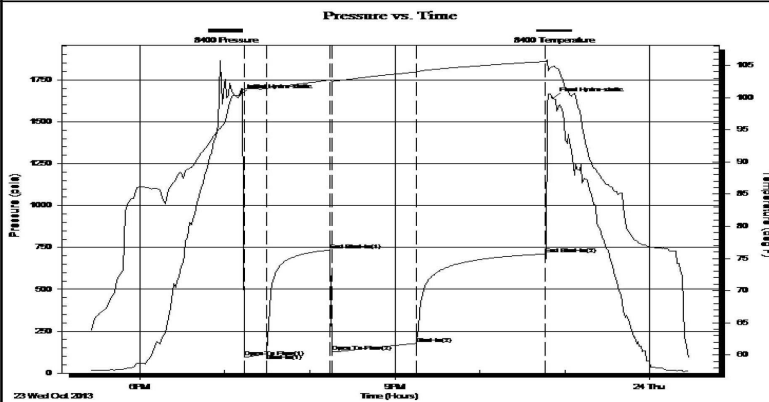
Formation: **LKC "H-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:13:30
 Time Test Ended: 00:27:30
Interval: 3355.00 ft (KB) To 3455.00 ft (KB) (TVD)
 Total Depth: 3455.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzern
 Unit No: 3330/30/Great Bend
 Reference Elevations: 1997.00 ft (KB)
 1984.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8400

Inside

Press@RunDepth: 176.90 psia @ 3449.50 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.10.23 End Date: 2013.10.24 Last Calib.: 2013.10.24
 Start Time: 17:25:00 End Time: 00:27:30 Time On Btm: 2013.10.23 @ 19:10:30
 Time Off Btm: 2013.10.23 @ 22:51:30

TEST COMMENT: 1st Open/ 15 Minutes. Fair blow built to 2 1/ inches in 5 gallon bucket.
 1st Shut In/ 45 Minutes. No blow back.
 2nd Open/ 60 Minutes. Fair blow built to 5 inches in 5 gallon bucket.
 2nd Shut In/ 90 Minutes. No blow back.



PRESSURE SUMMARY

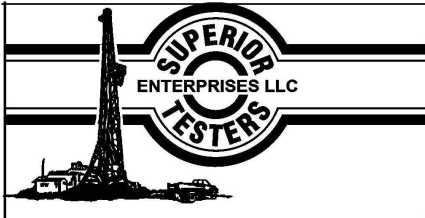
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1654.84	100.24	Initial Hydro-static
3	93.82	101.11	Open To Flow (1)
19	114.72	101.36	Shut-In(1)
65	734.54	102.72	End Shut-In(1)
65	126.23	102.53	Open To Flow (2)
125	176.90	103.96	Shut-In(2)
216	711.30	105.61	End Shut-In(2)
221	1639.35	104.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
97.00	100% mud	0.48

Gas Rates

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



DRILL STEM TEST REPORT

Shelby Resources LLC

17/17s/13w/Barton

2717 Canal BLVD.
Suite C
Hays Ks, 67601
ATTN: Jeremy Schwartz

Nancy #2-17

Job Ticket: 18509

DST#: 4

Test Start: 2013.10.24 @ 07:32:00

GENERAL INFORMATION:

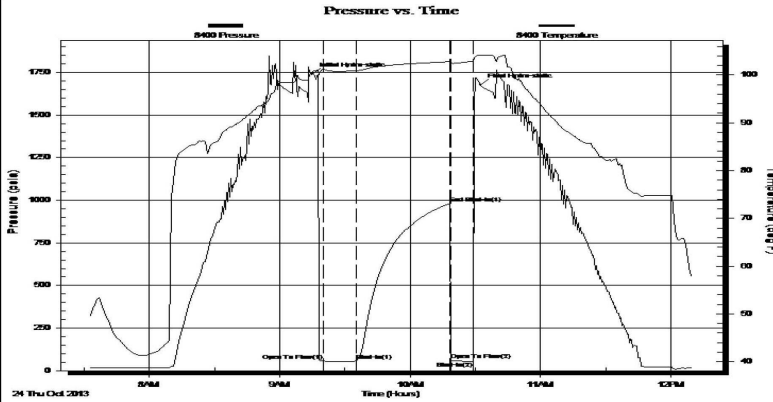
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:20:00
 Time Test Ended: 12:10:00
Interval: 3449.00 ft (KB) To 3485.00 ft (KB) (TVD)
 Total Depth: 3485.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/30/Great Bend
 Reference Elevations: 1997.00 ft (KB)
 1984.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8400

Inside

Press@RunDepth: 58.82 psia @ 3481.00 ft (KB)
 Start Date: 2013.10.24 End Date: 2013.10.24
 Start Time: 07:32:00 End Time: 12:10:00
 Capacity: 5000.00 psia
 Last Calib.: 2013.10.24
 Time On Btm: 2013.10.24 @ 09:15:00
 Time Off Btm: 2013.10.24 @ 10:32:30

TEST COMMENT: 1st Open/ 15 Minutes. Weak surface blow.
 1st Shut In/ 45 Minutes. No blow back.
 2nd Open/ 20 Minutes. No blow, flushed tool and gained no blow, pulled test per Geo.
 2nd Shut In/ N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1740.84	100.71	Initial Hydro-static
5	57.09	101.25	Open To Flow (1)
20	58.82	100.93	Shut-In(1)
64	981.62	102.81	End Shut-In(1)
64	61.72	102.47	Open To Flow (2)
74	52.61	102.93	Shut-In(2)
78	1677.75	104.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

Gas Rates

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