

**OPERATOR**

Company: Younger Energy Company  
 Address: 9415 E. Harry St.  
 Ste. 403, Bldg. 400  
 Wichita, KS 67207

Contact Geologist:  
 Contact Phone Nbr: 316-681-2542  
 Well Name: Parker Estate #5  
 Location: Sec. 18 - T15S - R12W  
 API: 15-167-24039-0000  
 Pool:  
 State: Kansas

Field: Parker South  
 Country: USA



Scale 1:240 Imperial

Well Name: Parker Estate #5  
 Surface Location: Sec. 18 - T15S - R12W  
 Bottom Location:  
 API: 15-167-24039-0000  
 License Number: 30705  
 Spud Date: 10/15/2015  
 Region: Russell  
 Drilling Completed: 2/2/2011  
 Surface Coordinates: 330' FSL & 2192' FWL  
 Bottom Hole Coordinates:  
 Ground Elevation: 1839.00ft  
 K.B. Elevation: 1847.00ft  
 Logged Interval: 2600.00ft  
 Total Depth: 3370.00ft  
 Formation: Arbuckle  
 Drilling Fluid Type: Chemical/Fresh Water Gel

Time: 2:45 PM  
 Time: 5:50 PM  
 To: 3370.00ft

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude:  
 Latitude:  
 N/S Co-ord: 330' FSL  
 E/W Co-ord: 2192' FWL

**LOGGED BY**

***Keith Reavis***  
*Consulting Geologist*

Company: Keith Reavis, Inc.  
 Address: 3420 22nd Street  
 Great Bend, KS 67530

Phone Nbr: 620-617-4091  
 Logged By: KLG #136

Name: Keith Reavis

**CONTRACTOR**

Contractor: Duke Drilling Company  
 Rig #: 2  
 Rig Type: mud rotary  
 Spud Date: 10/15/2015  
 TD Date: 2/2/2011  
 Rig Release:

Time: 2:45 PM  
 Time: 5:50 PM  
 Time:

**ELEVATIONS**

ELEVATIONS

K.B. Elevation: 1847.00ft  
K.B. to Ground: 8.00ft

Ground Elevation: 1839.00ft

NOTES

Due to recovery results of DST #3 and electrical log analysis, it was determined that 5 1/2" production casing would be set and cemented to total depth and the Arbuckle formation would be further tested through perforations and stimulation.

A Bloodhound gas detection system operated by Bluestem Labs was employed on this well. ROP and gas data were imported into this mudlog.

Samples were saved and will be available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS.

Respectfully submitted,  
Keith Reavis

## Younger Energy Company daily drilling report

DATE	7:00 AM DEPTH	REMARKS
10/18/2015		Geologist Keith Reavis on location @ 1915 hrs, 2653 ft, drilling ahead Howard, Topeka
10/19/2015	2913	drilling ahead Topeka, Queen Hill, Heebner, Toronto, Lansing, show and gas kick in A and B warrant test, short trip, ctch, TOH for DST #1, conduct DST #1
10/20/2015	3090	complete DST #1, successful test, TIH w/bit, resume drilling, show and gas kick in G zone warrants test, conduct and complete DST #2, TIH w/bit, resume drilling lower LKC
10/21/2015	3236	drilling ahead, lower LKC, base KC, Arbuckle, show in Arbuckle warrants test, TOH w/bit, conduct and complete DST #3, successful test, TIH w/bit, rathole ahead to TD
10/22/2015	3370	TD well @ 0200 hrs, ctch, condition mud from rains, TOH for logs, conduct and complete logging operations, geologist off location @ 1000 hrs

## Younger Energy Company well comparison sheet

DRILLING WELL Parker Estate #1 330' FSL & 2192' FWL Sec 18-T15S-R12W 1847 KB					COMPARISON WELL Parker Estate #1 NE SE SW Sec 18-T15S-R12W 1853 KB				COMPARISON WELL Parker Estate #3 SE NE SW Sec 18-T15S-R12W 1851 KB			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka	2649	-802	2656	-809	2662	-809	7	0	2656	-805	3	-4
Queen Hill	2836	-989	2843	-996	2848	-995	6	-1	2845	-994	5	-2
Heebner	2922	-1075	2927	-1080	2933	-1080	5	0	2928	-1077	2	-3
Toronto	2940	-1093	2945	-1098	2951	-1098	5	0	2945	-1094	1	-4
Douglas	2956	-1109	2962	-1115	2967	-1114	5	-1	2962	-1111	2	-4
Brown Lime	3005	-1158	3009	-1162	3018	-1165	7	3	3012	-1161	3	-1
Lansing	3023	-1176	3023	-1176	3034	-1181	5	5	3029	-1178	2	2
Base KC	3243	-1396	3247	-1400	3255	-1402	6	2	3253	-1402	6	2
Arbuckle	3280	-1433	3280	-1433	3290	-1437	4	4	3337	-1486	53	53
Total Depth	3370	-1523	3374	-1527	3310	-1457	-66	-70	3344	-1493	-30	-34

Drill Stem Test #1



DIAMOND TESTING  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(800) 542-7313

TIME ON: 19:40 10/19/15  
TIME OFF: 02:00:00 10/20/15

DRILL-STEM TEST TICKET  
FILE: STC/Parkerestate5dst1

Company: **YOUNGER ENERGY CO.** Lease & Well No. **PARKER ESTATE #5**

Contractor: **DUKE DRLG RIG 2** Charge to: **YOUNGER ENERGY CO.**

Elevation: **1847 K.B.** Formation: **LANS A+B** Effective Pay: \_\_\_\_\_ Ft. Ticket No. **J3373**

Date: **10/19/15** Sec. **18** Twp. **15 S** Range **12 W** County **RUSSELL** State **KANSAS**

Test Approved By: **KEITH REAVIS** Diamond Representative: **JOHN RIEDL**

Formation Test No. **1** Interval Tested from **3009** ft. to **3055** ft. Total Depth **3055** ft.

Blocker Depth **3004** ft. Size **6 3/4** in. Blocker depth \_\_\_\_\_ ft. Size **6 3/4** in.

Packer Depth	3009 ft.	Size	6 3/4 in.	Packer depth		ft.	Size	6 3/4 in.	
Depth of Selective Zone Set									
Top Recorder Depth (Inside)	3012 ft.	Recorder Number	30046	Cap.	6000	P.S.I.			
Bottom Recorder Depth (Outside)	3052 ft.	Recorder Number	13498	Cap.	6000	P.S.I.			
Below Straddle Recorder Depth		ft.	Recorder Number		Cap.		P.S.I.		
Mud Type	CHEMICAL	Viscosity	62	Drill Collar Length	0 ft.	I.D.	2 1/4	in.	
Weight	8.6	Water Loss	7.2 cc.	Weight Pipe Length	0 ft.	I.D.	2 7/8	in.	
Chlorides			5000 P.P.M.	Drill Pipe Length	2983 ft.	I.D.	3 1/2	in.	
Jars: Make	STERLING	Serial Number	#1	Test Tool Length	26 ft.	Tool Size	3 1/2-IF	in.	
Did Well Flow?	NO	Reversed Out	NO	Anchor Length	46 ft.	Size	4 1/2-FH	in.	
Main Hole Size	7 7/8	Tool Joint Size	4 1/2 XH in.	Surface Choke Size	1	in.	Bottom Choke Size	5/8 in.	
Blow: 1st Open:	STRONG 10"						NO BB		
2nd Open:	STRONG (B.O.B IN 10 MIN.)						NO BB		
Recovered	420 ft. of	SLMCW (5% MUD 95% WATER WITH A STRONG SULFUR ODOR) CHLORIDES 30,000 Ppm							
Recovered		ft. of							
Recovered		ft. of							
Recovered		ft. of							
Recovered		ft. of							
Recovered		ft. of							
Remarks:	TOTAL FLUID RECOVERY: 420' IN DRILL PIPE						Price Job		
	SHUT-IN TOOL RECOVERY GRINDOUT: 100% WATER						Other Charges		
							Insurance		
							Total		
Time Set Packer(s)	9:35 A.M.	A.M.		Time Started Off Bottom	12:15 A.M.	A.M.		Maximum Temperature	105
		P.M.				P.M.			
Initial Hydrostatic Pressure		(A)	1437	P.S.I.					
Initial Flow Period	Minutes	10	(B)	24	P.S.I. to (C) 61 P.S.I.				
Initial Closed In Period	Minutes	45	(D)	825	P.S.I.				
Final Flow Period	Minutes	45	(E)	61	P.S.I. to (F) 181 P.S.I.				
Final Closed In Period	Minutes	60	(G)	757	P.S.I.				
Final Hydrostatic Pressure		(H)	1410	P.S.I.					

### Drill Stem Test #2



**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(800) 542-7313

TIME ON: 11:10 10/20/15

TIME OFF: 17:00 10/20/15

**DRILL-STEM TEST TICKET**  
FILE: STC/Parkerestate5dst21

Company	YOUNGER ENERGY CO.		Lease & Well No.	PARKER ESTATE #5	
Contractor	DUKE DRLG RIG 2		Charge to	YOUNGER ENERGY CO.	
Elevation	1847 K.B	Formation	LANS "G"	Effective Pay	
Date	10/20/15	Sec.	18	Twp.	15 S Range 12 W County RUSSELL State KANSAS
Test Approved By	KEITH REAVIS		Diamond Representative	JOHN RIEDL	

Formation Test No.	2	Interval Tested from	3091 ft. to	3105 ft.	Total Depth	3105 ft.
Packer Depth	3086 ft.	Size	6 3/4 in.	Packer depth		ft. Size 6 3/4 in.
Packer Depth	3091 ft.	Size	6 3/4 in.	Packer depth		ft. Size 6 3/4 in.
Depth of Selective Zone Set						
Top Recorder Depth (Inside)	3094 ft.	Recorder Number	30046	Cap.	6000	P.S.I.
Bottom Recorder Depth (Outside)	3102 ft.	Recorder Number	13498	Cap.	6000	P.S.I.
Below Straddle Recorder Depth		ft.	Recorder Number		Cap.	P.S.I.
Mud Type	CHEMICAL	Viscosity	50	Drill Collar Length	0 ft.	I.D. 2 1/4 in.
Weight	9	Water Loss	9 cc.	Weight Pipe Length	0 ft.	I.D. 2 7/8 in.
Chlorides			5000 P.P.M.	Drill Pipe Length	3065 ft.	I.D. 3 1/2 in.
Jars: Make	STERLING	Serial Number	#1	Test Tool Length	26 ft.	Tool Size 3 1/2-IF in.
Did Well Flow?	NO	Reversed Out	NO	Anchor Length	14 ft.	Size 4 1/2-FH in.
Main Hole Size	7 7/8	Tool Joint Size	4 1/2 XH in.	Surface Choke Size	1	in. Bottom Choke Size 5/8 in.
Blow: 1st Open:	WEAK (1/4")					
2nd Open:	WEAK (1/4")					
Recovered	40 ft. of	DRILLING MUD				

Recovered	ft. of		
Recovered	ft. of		
Recovered	ft. of		
Recovered	ft. of		Price Job
Recovered	ft. of		Other Charges
Remarks:	TOTAL FLUID RECOVERY: 40' IN DRILL PIPE		Insurance
	SHUT-IN TOOL RECOVERY GRINDOUT: 10% OIL 90% MUD		
			Total
Time Set Packer(s)	12:25 p.m.	A.M. P.M.	Time Started Off Bottom
			4:20 p.m.
			A.M. P.M.
			Maximum Temperature
			105
Initial Hydrostatic Pressure		(A)	1470 P.S.I.
Initial Flow Period	Minutes	10	(B) 16 P.S.I. to (C) 24 P.S.I.
Initial Closed In Period	Minutes	45	(D) 425 P.S.I.
Final Flow Period	Minutes	60	(E) 28 P.S.I. to (F) 35 P.S.I.
Final Closed In Period	Minutes	60	(G) 425 P.S.I.
Final Hydrostatic Pressure		(H)	1442 P.S.I.

### Drill Stem Test #3



**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: STC/Parkerestate5dst3

TIME ON: 14:50 10/21/15  
TIME OFF: 19:00 10/21/15

Company **YOUNGER ENERGY CO.** Lease & Well No. **PARKER ESTATE #5**  
Contractor **DUKE DRLG RIG 2** Charge to **YOUNGER ENERGY CO.**  
Elevation **1847 K.B** Formation **ARBUCKLE** Effective Pay \_\_\_\_\_ Ft. Ticket No. **J3375**  
Date **10/21/15** Sec. **18** Twp. **15 S** Range **12 W** County **RUSSELL** State **KANSAS**  
Test Approved By **KEITH REAVIS** Diamond Representative **JOHN RIEDL**

Formation Test No. **3** Interval Tested from **3256** ft. to **3282** ft. Total Depth **3282** ft.  
Packer Depth **3251** ft. Size **6 3/4** in. Packer depth \_\_\_\_\_ ft. Size **6 3/4** in.  
Packer Depth **3256** ft. Size **6 3/4** in. Packer depth \_\_\_\_\_ ft. Size **6 3/4** in.  
Depth of Selective Zone Set \_\_\_\_\_

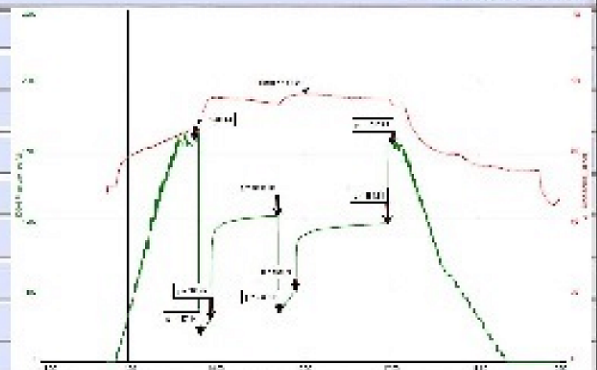
Top Recorder Depth (Inside) **3259** ft. Recorder Number **30046** Cap. **6000** P.S.I.  
Bottom Recorder Depth (Outside) **3279** ft. Recorder Number **13498** Cap. **6000** P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type **CHEMICAL** Viscosity **57** Drill Collar Length **0** ft. I.D. **2 1/4** in.  
Weight **9** Water Loss **9** cc. Weight Pipe Length **0** ft. I.D. **2 7/8** in.  
Chlorides **8000** P.P.M. Drill Pipe Length **3230** ft. I.D. **3 1/2** in.  
Jars: Make **STERLING** Serial Number **#1** Test Tool Length **26** ft. Tool Size **3 1/2-IF** in.  
Did Well Flow? **NO** Reversed Out **NO** Anchor Length **26** ft. Size **4 1/2-FH** in.  
Main Hole Size **7 7/8** Tool Joint Size **4 1/2 XH** in. Surface Choke Size **1** in. Bottom Choke Size **5/8** in.

Blow: 1st Open: **STRONG (B.O.B 30 SECONDS)** FAIR BB **5"**  
2nd Open: **STRONG B.O.B 1 MINUTE)** WEAK BB **1"**

Recovered **1480** ft. of **G0 (10% GAS 90% OIL) 36 GRAVITY**  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_









Remarks: **TOTAL FLUID RECOVERY: 1480' IN DRILL PIPE**  
**SHUT-IN TOOL RECOVERY GRINDOUT: 100% OIL**



Time Set Packer(s) **2:50 P.M.** A.M.  
P.M. Time Started Off Bottom **5:00 P.M.** A.M.  
P.M. Maximum Temperature **114**

Initial Hydrostatic Pressure.....	(A)	1583	P.S.I.
Initial Flow Period.....	Minutes	10	(B)
Initial Closed In Period.....	Minutes	45	(D)
Final Flow Period.....	Minutes	15	(E)
Final Closed In Period.....	Minutes	60	(G)
Final Hydrostatic Pressure.....	(H)	1546	P.S.I.

### ROCK TYPES

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

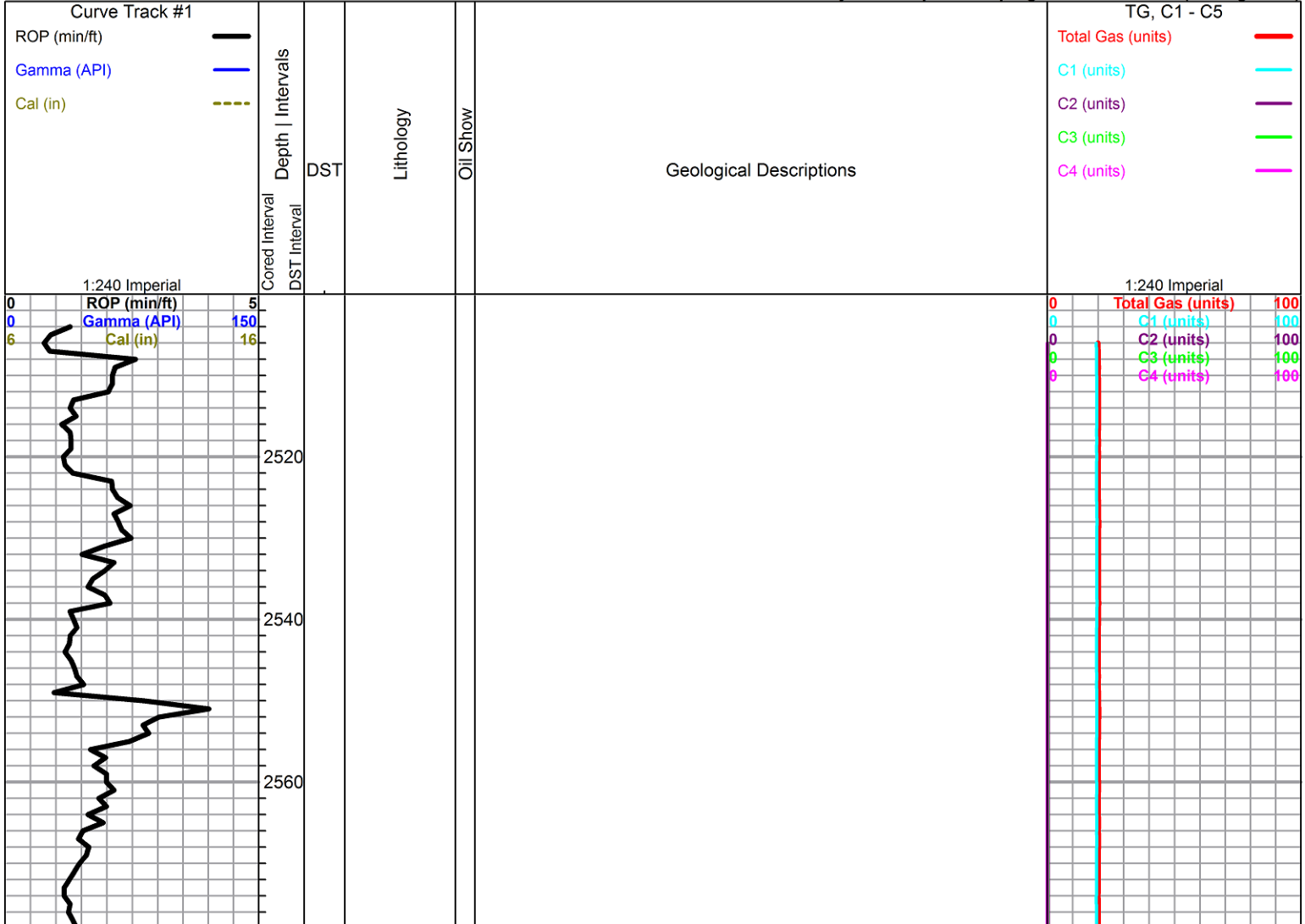
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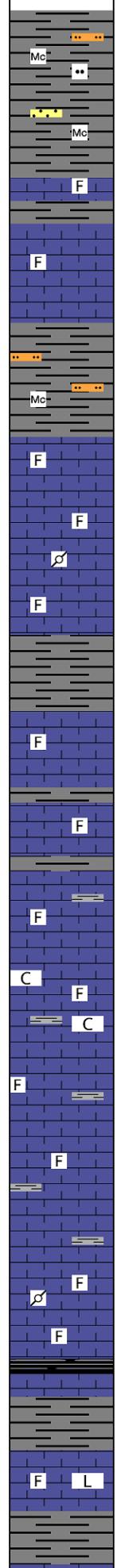
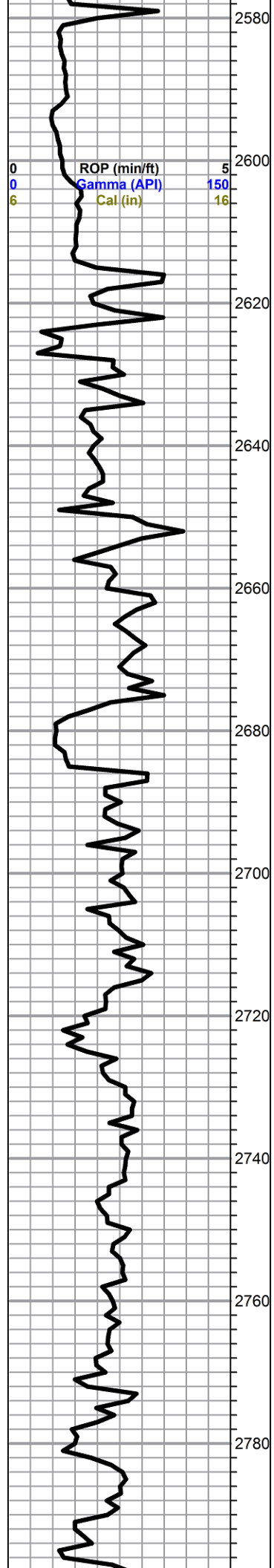
<b>MINERAL</b>	<b>FOSSIL</b>	<b>STRINGER</b>	<b>TEXTURE</b>
▲ Chert, dark	∩ Bioclastic or Fragments	••• Sandstone	C Chalky
∩ Glauconite	F Fossils < 20%	••• Siltstone	CX Cryptocrystalline
P Pyrite	∅ Oolite	— Shale	L Lithogr
•• Silty	∅ Pellets	— green shale	
△ Chert White	∅ Oomoldic		
Mc Mica			

### OTHER SYMBOLS

<b>Oil Show</b>	<b>DST</b>
● Good Show	■ DST Int
● Fair Show	■ DST alt
● Poor Show	■ Core
○ Spotted or Trace	tail pipe
○ Questionable Stn	
D Dead Oil Stn	
■ Fluorescence	
* Gas	

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displaced mud system @ 2500 ft  
 begin 10 ft wet and dry samples @ 2600 ft

shale, gray, micaceous, silty, with siltstone, gray, micaceous, some very fine grained sandstone, gray, dirty and micaceous, no shows

limestone, gray to light brown, cryptocrystalline, grainy fossiliferous, large clasts, poor visible porosity, no shows

grades to limestone, tan to gray, cryptocrystalline, fossiliferous, dense, no shows

shale, gray, silty, micaceous, with siltstone, gray, micaceous

**Topeka 2649 -802**

limestone, gray to brown, mottled, micro-cryptocrystalline, fossiliferous, some large clasts, dense, with gray limestone, cryptocrystalline, lithographic to sub-lithographic, dense, no shows

limestone, mixed a.a. with tan to cream, micro-cryptocrystalline, fossiliferous, trace pelletal, poor visible porosity, no shows, still abundant shale in samples

limestone a.a.

limestone, cream to light gray, cryptocrystalline, fossiliferous to lithographic, chalky, poor visible porosity, with limestone, microcrystalline, fossiliferous, dense, cherty, poor visible porosity, no shows, some gray shales and gray shaley limestone

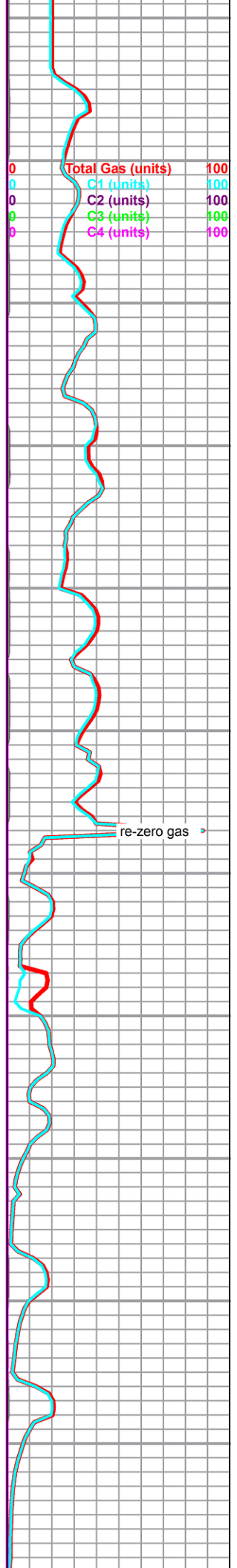
limestone, cream, chalky fossiliferous, poor visible porosity, few large clasts, abundant chalk, no shows

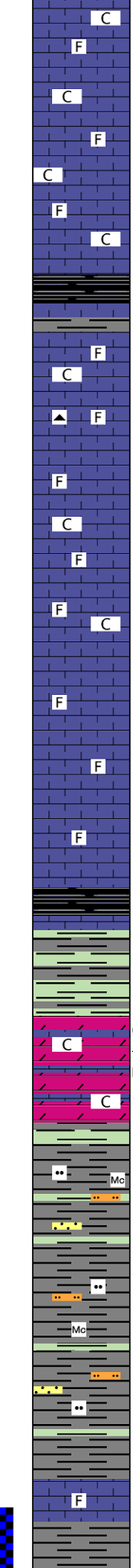
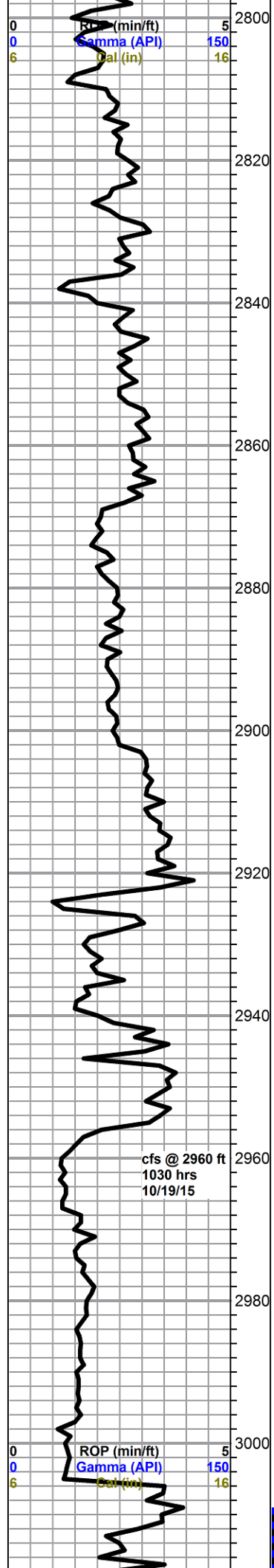
limestone, cream to light gray, cryptocrystalline, fossiliferous to lithographic, chalky, poor visible porosity, with limestone, microcrystalline, fossiliferous, dense, cherty, poor visible porosity, no shows, some gray shales and gray shaley limestone

limestone, mixed gray to cream, some mottled, fossiliferous, some pelletal, grainy, chalky in part, poor visible porosity, no shows

**King Hill Shale**  
 black carbonaceous shale

limestone, cream to gray, mixed fossiliferous, some cream cryptocrystalline lithographic, dense, no shows





limestone, mixed gray to cream, non-descript fossiliferous, abundant chalk, poor visible porosity, no shows, abundant gray shales

limestone, a.a.

**Queen Hill 2836 -989**  
shale, black carbonaceous

limestone, cream to gray and tan, some mottled, microcrystalline, very chalky to partly chalky, fossiliferous, with: limestone, cream, cryptocrystalline, lithographic, dense, no shows, abundant chalk in samples, trace tan and gray fossiliferous chert

limestone, cream to light gray, microcrystalline, fossiliferous, grainy to chalky, some scattered intercrystalline porosity, some friable, some weathered to chalky, no visible shows, fleeting briney odor in 2880, no shows or fluorescence

limestone, cream, cryptocrystalline, sub-lithographic, chalky to smooth/dense, some scattered slightly fossiliferous, chalky, no shows, moderate chalk in samples

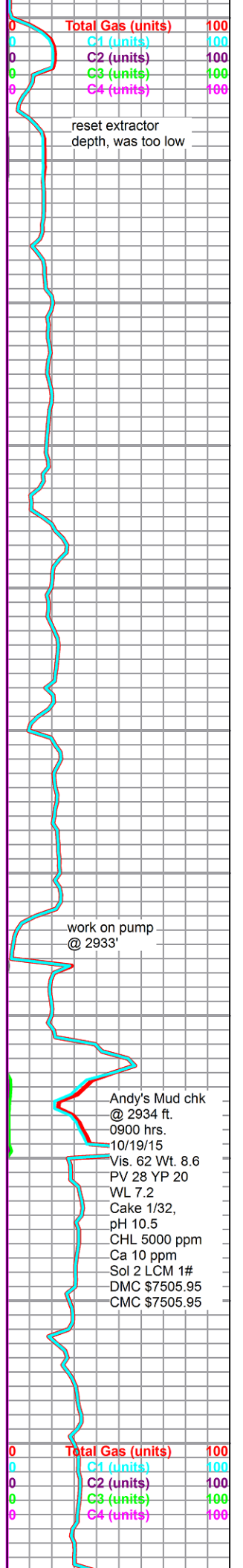
**Heebner 2922 -1075**

**Toronto 2940 -1093**  
dolomite, tan to cream, micro-fine crystalline mix, sub-rhombic, some fair intercrystalline porosity, light golden brown saturated stain, streamer sheen in tray, gassy, slight show oil droplets on break, good odor, bright white fluorescence, good to fair cut, with: some white smooth lithographic chalky limestone, some brown and gray fossiliferous limestone, trace chert, moderate chalk

**Douglas 2956 -1109**  
shale, gray and some green, silty, micaceous, with gray salt and pepper siltstone and some scattered very fine micaceous shaley sandstone, no shows, heavy gray wash

a.a.

**Brown Lime3005 -1158**  
limestone, brown to dark gray, cryptocrystalline, lithographic to fossiliferous, dense no shows



cfs @ 2960 ft  
1030 hrs  
10/19/15

Andy's Mud chk  
@ 2934 ft.  
0900 hrs.  
10/19/15  
Vis. 62 Wt. 8.6  
PV 28 YP 20  
WL 7.2  
Cake 1/32,  
pH 10.5  
CHL 5000 ppm  
Ca 10 ppm  
Sol 2 LCM 1#  
DMC \$7505.95  
CMC \$7505.95

# Lansing 3023 -1176

limestone, cream to light gray, crypto-microcrystalline, oolitic to bioclastic to fossiliferous, some pinpoint and small vuggy porosity, light spotty stain, light sheen on break, faint odor, good fluorescence, fair slow blueish cut with halo

limestone, cream to white to light gray, oolitic to oomoldic to sub-oomoldic, chalky in part, variable degrees of porosity, very light spotty staining, faint odor, slight show gassy oil on break, good bright white fluorescence, poor to fair cut

limestone, mixed fossiliferous with few piece oolitic, slightly etched, light brown stain, poor porosity, no free oil or odor, abundant mixed shales in samples

cfs sample - limestone, gray mottled, pelletal, trace pyritic, trace stain, 1 pieces slight gas and oil show on break, limestone, white, cryptocrystalline compact lithographic to sl. fossiliferous, chalky in part, 1 stained piece, abundant white chert, some chalk, poor fluorescence, faint cut on pelletal sample, fleeting sour odor

limestone, light gray to white, oomoldic, some sub-oomoldic, barren to saturated light brown stain, some crystal lined mold, good to fair porosity, streaming sheen, slight show free oil, fair odor, fair fluorescence, slow milky cut

limestone, mostly white, oolitic to sub-oomoldic, poor overall porosity, chalky in part, few pieces light stain, no show free oil or odor, blotchy yellow even fluorescence, poor cut

limestone, gray, cryptocrystalline, smooth dense lithographic, cherty, no shows

a.a.

shale, black carbonaceous

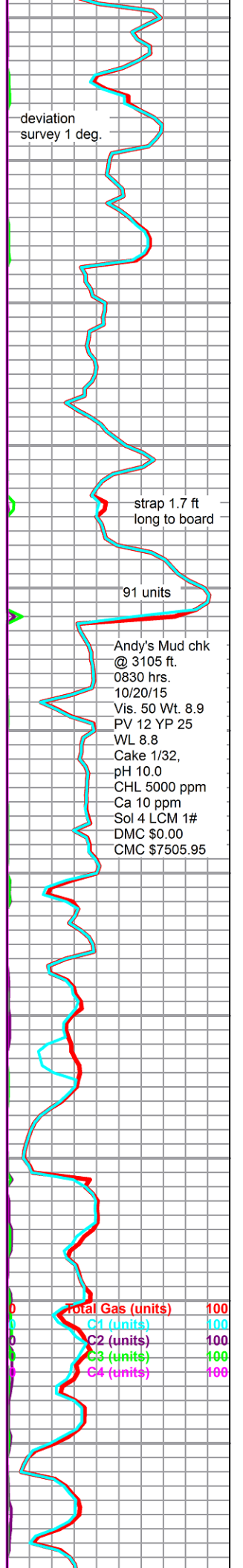
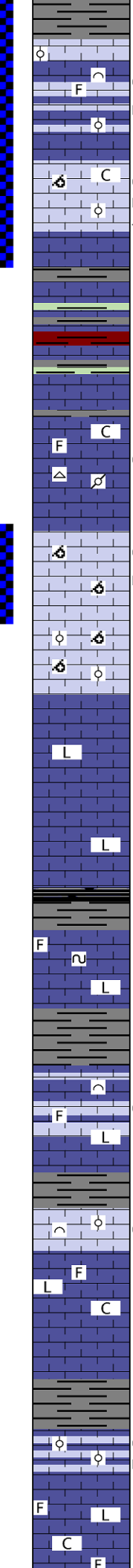
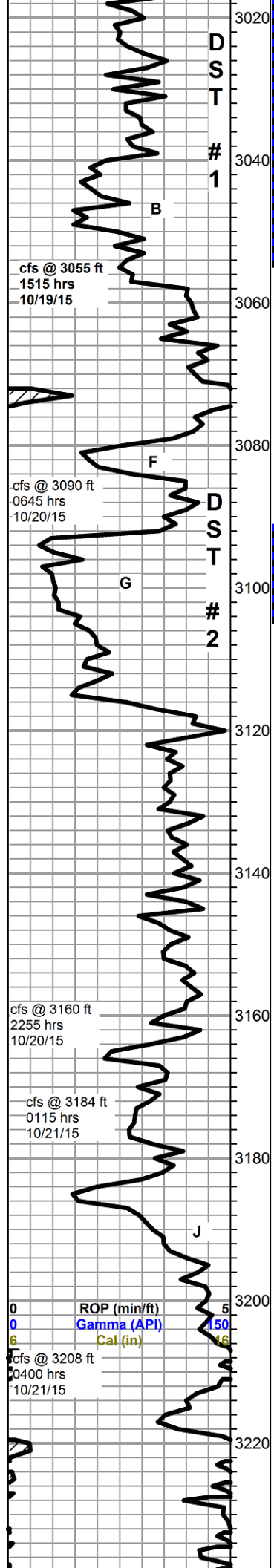
limestone, gray to gray/green, cryptocrystalline, arenaceous to lithographic to fossiliferous, slightly glauconitic, with: white chalky fossiliferous, slightly glauconitic, poor visible porosity, no shows

limestone, white to light gray, fossiliferous to bioclastic with lithographic, few pieces bioclastic has interclast porosity and light stain, some small gas bubbles and slight show oil on break, fleeting odor in wet cup, poor fluorescence, poor cut

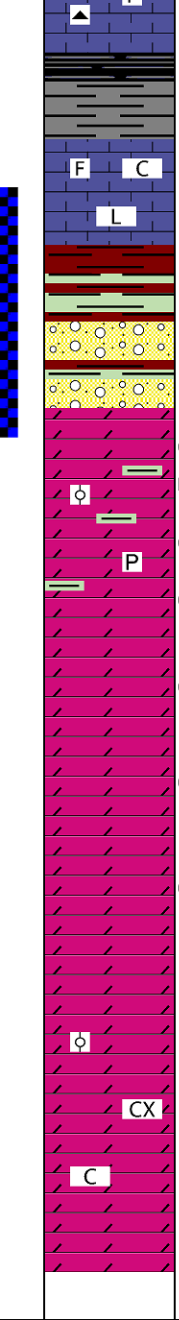
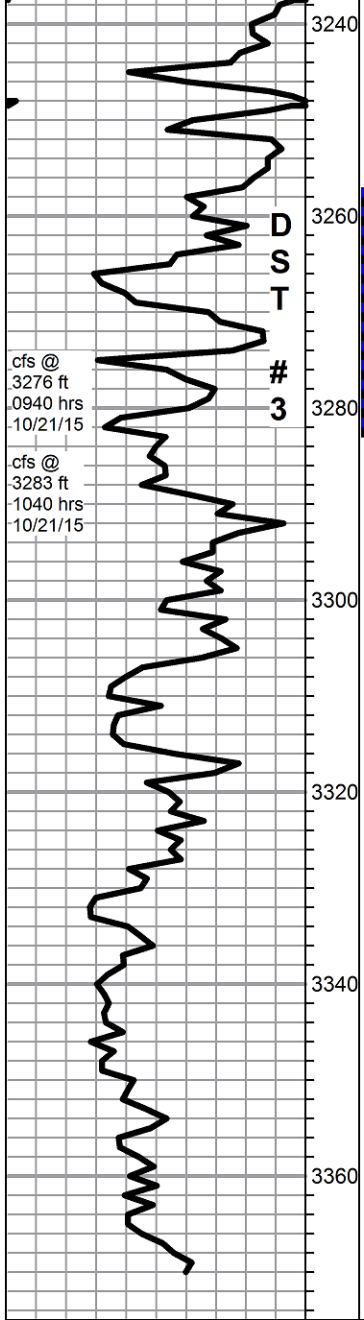
limestone, white to light gray, cryptocrystalline, bioclastic to oolitic, some fair interclast porosity, light wormy stain, faint to fair odor (sour), slightly gassy, slight show free oil on break, dull yellow fluorescence, poor cut - grades to limestone, white, fossiliferous, chalky, soft with limestone white to light gray, cryptocrystalline, fossiliferous to lithographic, dense, no shows

3230 sample, a.a. with influx white oolitic, fair inter-oolite staining, slight show oil with heavy sheen on break, fleeting odor in wet cup, light fluorescence, excellent bright white cut

limestone, white to light gray, mixed lithographic to fossiliferous, chalky in part, some gray dense arenaceous, some black obsidian like chert







**Base KC 3243 -1396**

shale, black carbonaceous

limestone, mixed non-descript fossiliferous to lithographic, some chalk, no shows

conglomerate, mixed limestones, some red/orange limestone with feldspar inclusions, fossiliferous in part, some small weathered orange feldspar fragments in tray, red, green and brown shales

**Arbuckle 3280 -1433**

dolomite, white, micro-crystalline, rhombic to sub-rhombic, fair scattered intercrystalline porosity, spotty to saturated intercrystalline stain, slight to fair show free oil, good odor, good fluorescence, excellent cut, with some cryptocrystalline dense cream to gray dolomite

3290 sample, trip trash, 3300 sample, dolomite a.a. still good odor and fluorescence, heavy streaming sheen (residual oil from test?) abundant light green shales

3310 sample, a.a., decrease in show and odor, some pyritic trace white oolitic dolomite - flood shales in sample (sluff?)

dolomite a.a. odor dropping out in 3320 sample

dolomite a.a. with decrease in rhombic facies and increase in cryptocrystalline facies - marked decrease in show 3340-50 samples,

3360 and 70 samples mostly white cryptocrystalline dolomite, lithographic to recrystallized, some oolitic, mostly barren, some barren rhombic a.a., abundant caliche

a.a.

**TD @ 3370 ft 0200 hrs 10/22/15**  
**C& J Cased Hole Log Depth 3374 ft**

