

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

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

API No.: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	Parker Estate 5
Doc ID	1279155

All Electric Logs Run

Dual Induction
Compensated Density/Neutron
Micro
Geologist mud log
Computer Processed Interpretation
Cement Bond
LAS

Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	Parker Estate 5
Doc ID	1279155

Tops

Name	Top	Datum
Topeka	2656	-809
Queen Hill	2843	-996
Heebner	2927	-1080
Toronto	2945	-1098
Douglas	2962	-1115
Brown Lime	3009	-1162
Lansing	3023	-1176
Base KC	3247	-1400
Arbuckle	3280	-1433

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.	P.M.	Time Started Off Bottom	12:15 A.M.	A.M.	P.M.	Maximum Temperature	105
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
DRILL-STEM TEST TICKET
FILE: STC/Parkerestate5dst21

TIME ON: 11:10 10/20/15

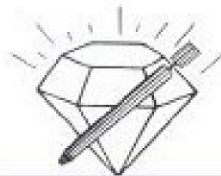
TIME OFF: 17:00 10/20/15

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	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				
	SHUT-IN TOOL RECOVERY GRINDOUT: 10% OIL 90% MUD				
	Insurance				
	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 _____

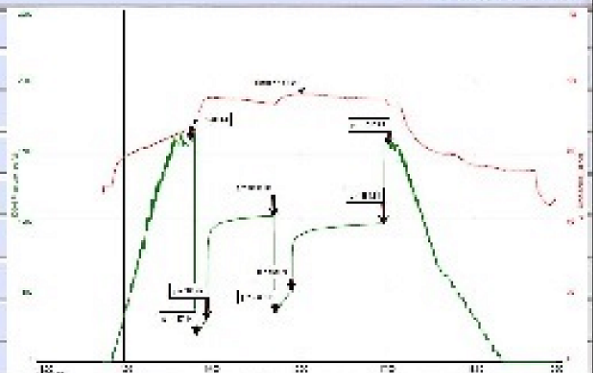
Top Recorder Depth (Inside) **3259** ft. Recorder Number **30046** Cap. **6000** P.S.I.
 Bottom Recorder Depth (Outside) **3279** ft. Recorder Number **13498** Cap. **6000** P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

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)	197 P.S.I. to (C) 308 P.S.I.
Initial Closed In Period..... Minutes	45	(D)	1039 P.S.I.
Final Flow Period..... Minutes	15	(E)	354 P.S.I. to (F) 506 P.S.I.
Final Closed In Period..... Minutes	60	(G)	985 P.S.I.
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

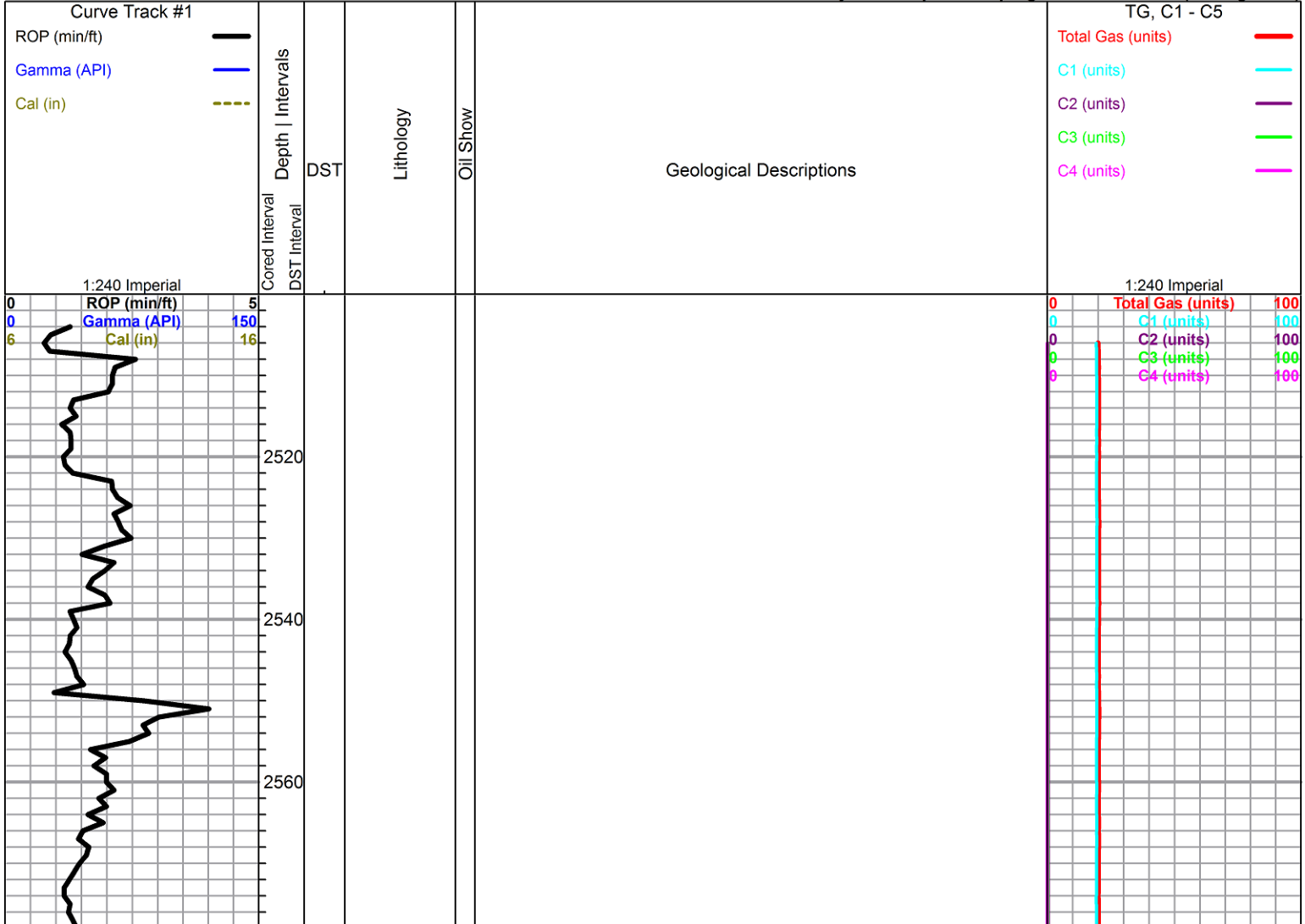
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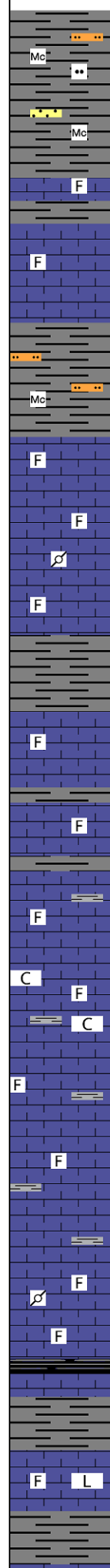
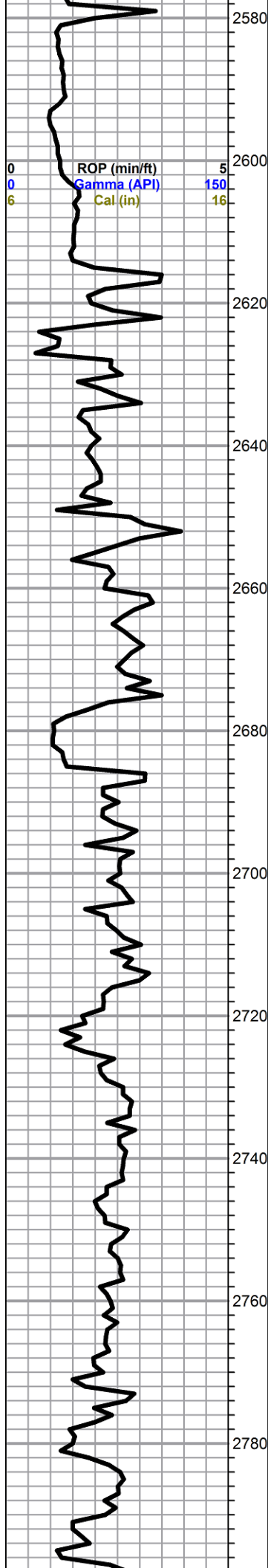
MINERAL	FOSSIL	STRINGER	TEXTURE
▲ Chert, dark	∩ Bioclastic or Fragments	••• Sandstone	C Chalky
∩ Glauconite	F Fossils < 20%	••• Siltstone	CX Cryptocrystalline
P Pyrite	∅ Oolite	— Shale	L Lithogr
• Silty	∅ Pellets	— green shale	
△ Chert White	∅ Oomoldic		
Mc Mica			

OTHER SYMBOLS

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

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





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

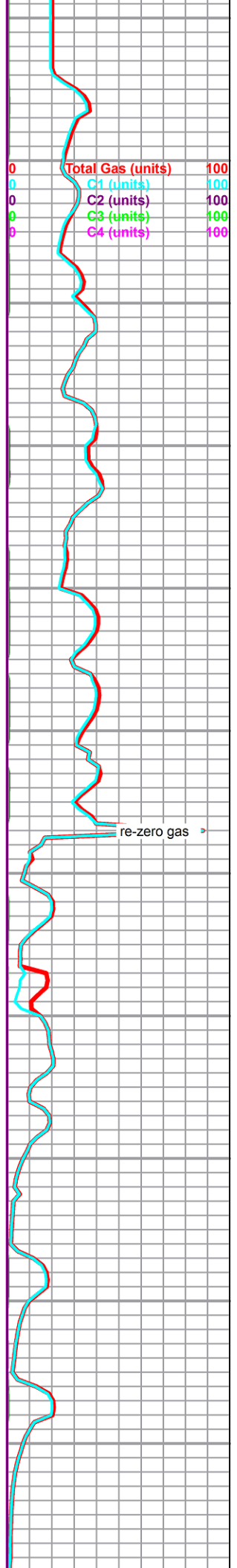
limestone, cream, chalky fossiliferous, poor visible porosity, few large clasts, abundant chalk, no shows

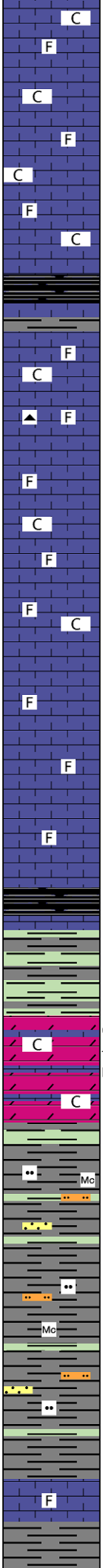
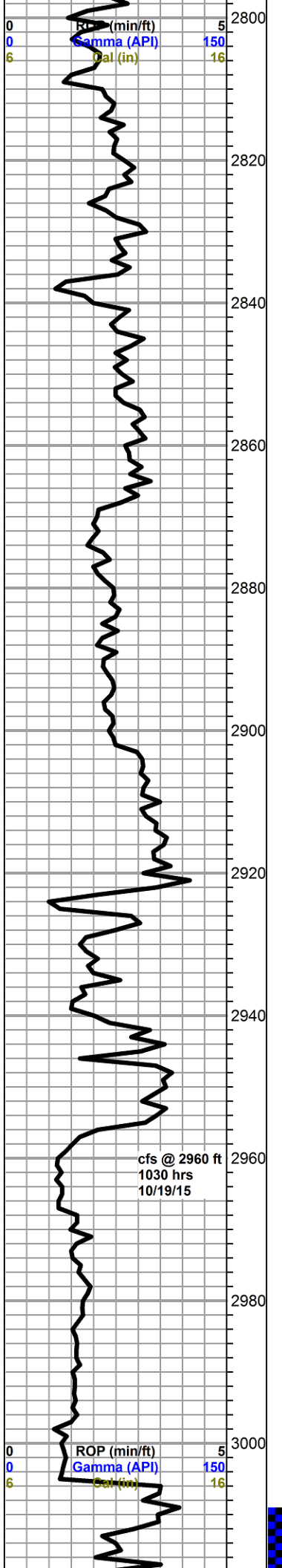
limestone, cream to light gray, cryptocrystalline, fossiliferous to lithographic, chalky, poor visible porosity, with limestone, microcrystalline, fossiliferous, dense, cherty, poor visible porosity, no shows, some gray shales and gray shaley limestone

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

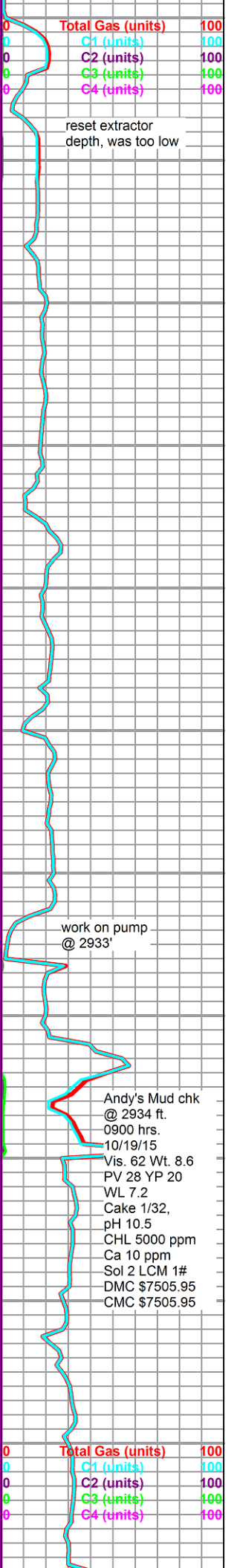
Heebner 2922 -1075

Toronto 2940 -1093
dolomite, tan to cream, micro-fine crystalline mix, sub-rhombic, some fair intercrystalline porosity, light golden brown saturated stain, streamin 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



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

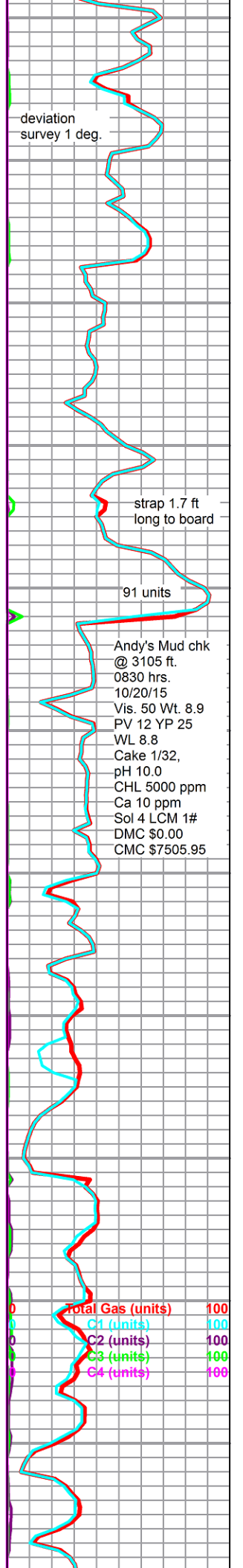
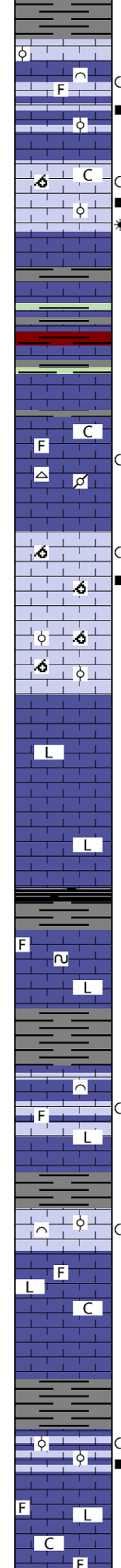
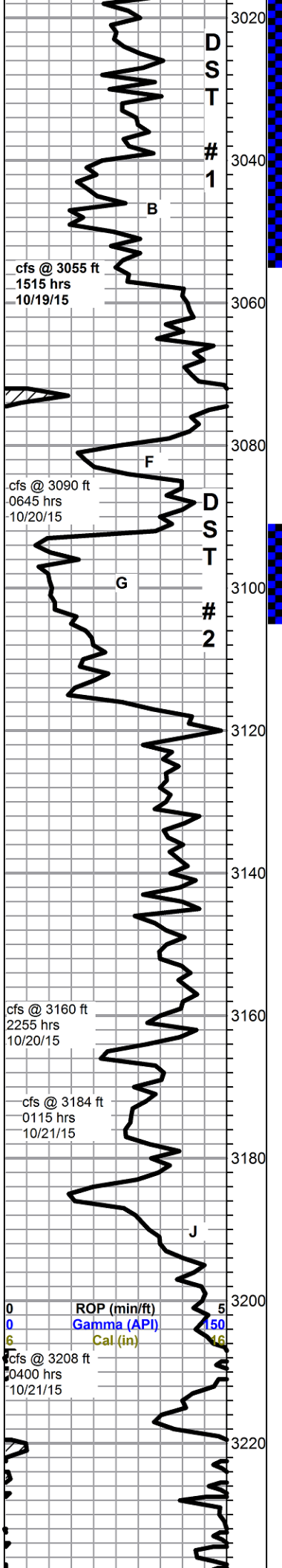
limestone, gray to gray/green, cryptocrystalline, arenaceous to lithographic to fossiliferous, slightly glauconitic, with: white chalky fossiliferous, slightly glauconitic, poor visible porosity, no shows

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

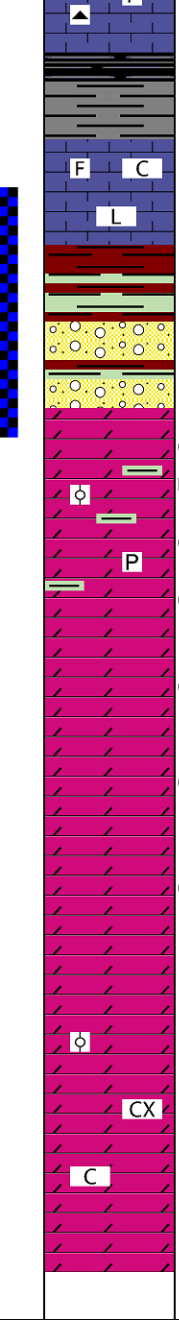
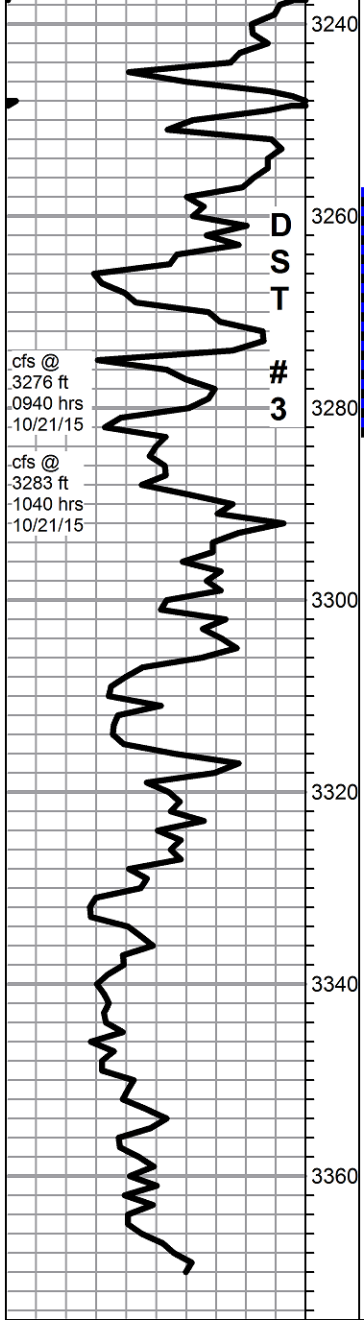
3230 sample, a.a. with influx white oolitic, fair inter-oolite staining, slight show oil with heavy sheen on break, fleeting odor in wet cup, light fluorescence, excellent bright white cut

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



Andy's Mud chk @ 3105 ft. 0830 hrs. 10/20/15 Vis. 50 Wt. 8.9 PV 12 YP 25 WL 8.8 Cake 1/32, pH 10.0 CHL 5000 ppm Ca 10 ppm Sol 4 LCM 1# DMC \$0.00 CMC \$7505.95

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



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?)

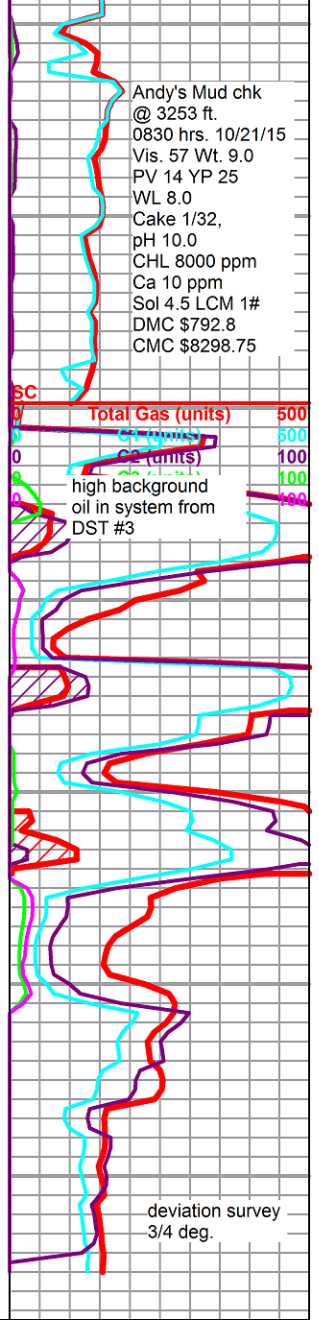
dolomite a.a. odor dropping out in 3320 sample

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



deviation survey
 3/4 deg.



Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	YOUNGER ENERGY CO.	Job Number	J3373
Contact	GARY YOUNGER	Representative	JOHN RIEDL
Well Name	PARKER ESTATE #5	Well Operator	YOUNGER ENERGY CO.
Unique Well ID		Report Date	2015/10/20
Surface Location	S18/15S/12W	Prepared By	JOHN RIEDL
Field		Qualified By	KEITH REAVIS

Test Information

Test Type	DST #1 CONVENTIONAL
Formation	LKC A+B
Well Fluid Type	
Test Purpose	

Start Test Date	2015/10/19	Start Test Time	19:40:00
Final Test Date	2015/10/20	Final Test Time	02:00:00

Test Recovery

RECOVERY: 420' SLMCW (5%MUD 95%WATER) IN DRILL PIPE



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

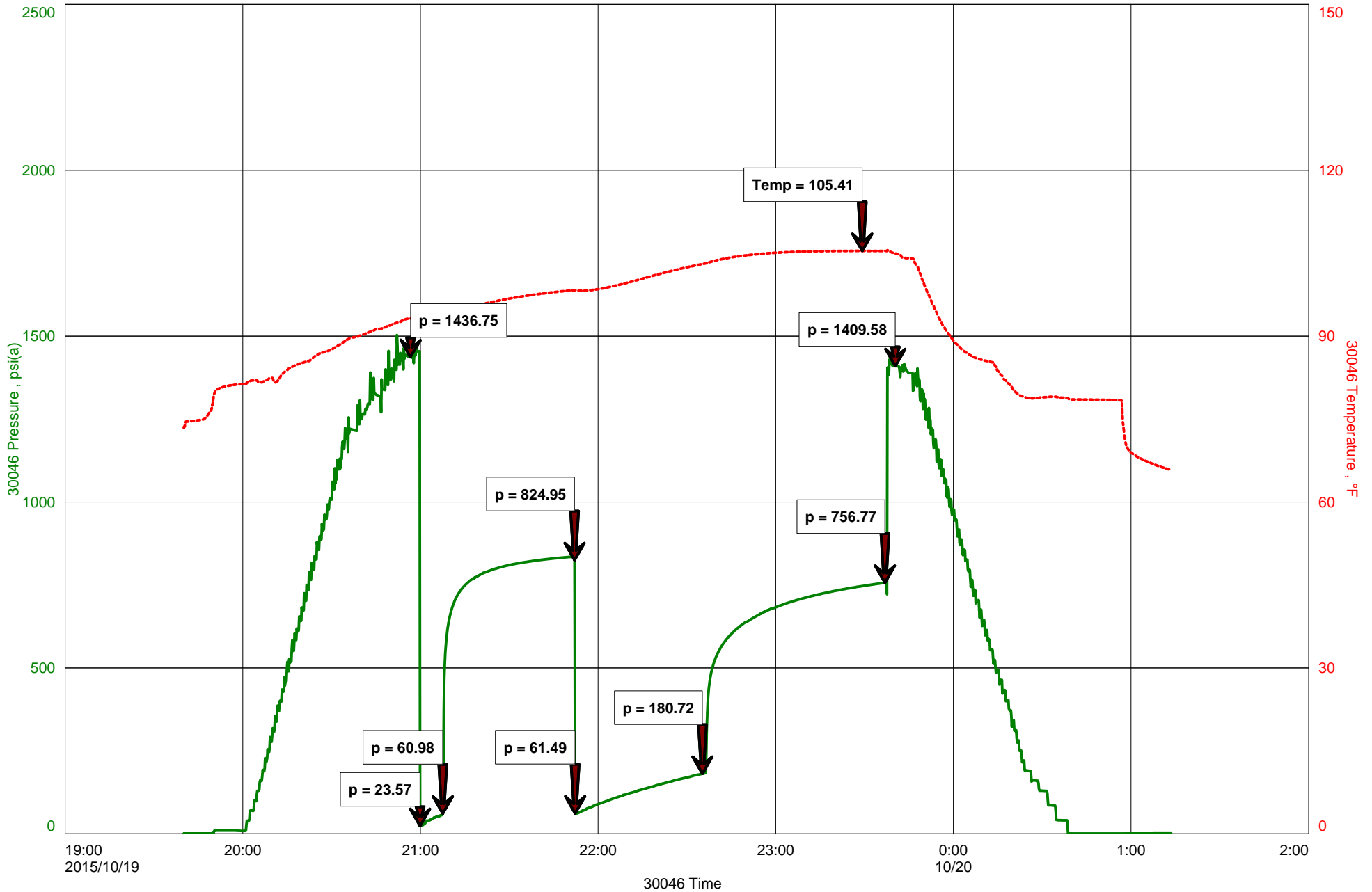
Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

PARKER ESTATE #5



Diamond Testing General Report



John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	YOUNGER ENERGY COMPANY	Job Number	J3374
Contact	GARY YOUNGER	Representative	JOHN RIEDL
Well Name	PARKER ESTATE #5	Well Operator	YOUNGER ENERGY COMPANY
Unique Well ID	DST #2 LKC "G" 3091-3105	Report Date	2015/10/20
Surface Location	S18/15S/12W RUSSELL CO., KS	Prepared By	JOHN RIEDL
Field	PARKER SOUTH	Qualified By	KEITH REAVIS

Test Information

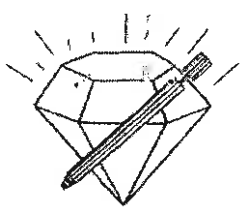
Test Type	DST #2 CONVENTIONAL
Formation	LKC "G"
Well Fluid Type	
Test Purpose	

Start Test Date	2015/10/20	Start Test Time	11:10:00
Final Test Date	2015/10/20	Final Test Time	17:00:00

Test Recovery

RECOVERY: 40' OIL CUT DRILLING MUD

TOOL SAMPLE: 90% MUD, 10% OIL



DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 STC/Parkerestate5dst2

Company Younger Energy Company Lease & Well No. Parker Estate No. 5
 Elevation 1847 KB Formation Lansing/Kansas City "G" Effective Pay _____ Ft. Ticket No. J3374
 Date 10-20-15 Sec. 18 Twp. 15S Range 12W County Russell State Kansas
 Test Approved By Keith Reavis Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,091 ft. to 3,105 ft. Total Depth 3,105 ft.
 Packer Depth 3,086 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,091 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,094 ft. Recorder Number 30046 Cap. 6,000 psi.
 Bottom Recorder Depth (Outside) 3,102 ft. Recorder Number 13498 Cap. 6,000 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Duke Drilling Company, Inc. - Rig 2 Drill Collar Length _____ ft. I.D. _____ in.
 Mud Type Chemical Viscosity 50 Weight Pipe Length _____ ft. I.D. _____ in.
 Weight 9.0 Water Loss 9.0 cc. Drill Pipe Length 3,065 ft. I.D. 3 1/2 in.
 Chlorides 5,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 1 Anchor Length 14 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/4 in. blow. No blow back during shut-in.
 2nd Open: Weak, 1/4 in. blow. No blow back during shut-in.

Recovered 40 ft. of oil cut drilling mud = .569200 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 90%-mud; 10%-oil

Time Set Packer(s) 12:25 P.M. Time Started off Bottom 3:20 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) 26 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.

YOUNG
PARK

0852
10/20/18

13400
OUTSIDE



Diane Rebstock

From: keith reavis <keithreavis96@gmail.com>
Sent: Thursday, December 17, 2015 11:56 AM
To: Diane Rebstock
Subject: Re: DST #2 PARKER ESTATE #5
Attachments: PARKERESTATE5DST2TKT.pdf

Here is all we have electronically on DST #2. This is the test on which the electronic recorder failed and we did the pressure curves with mechanical back-up recorder. I have a paper trace of this chart I will take a pic and text it to you, then you can save it electronically.

Keith

On Thu, Dec 17, 2015 at 8:07 AM, Keith Reavis <keithreavis96@gmail.com> wrote:
could have sworn I sent it but I will be going to office in awhile and resend it

Sent from my iPhone

On Dec 16, 2015, at 5:14 PM, Diane Rebstock <DRebstock@YoungerEnergy.com> wrote:

London or I neither one have the pdf for DST #2. It isn't a good test, but we would like to try to get the file to save on our computer server.

Thanks,

Diane

Diane Rebstock

Executive Vice President

Younger Energy Company

9415 E. Harry Street, Suite 403

Building 400

Wichita, KS 67207-5083

316-681-2542

316-681-1190 (fax)

drebstock@youngerenergy.com



Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	YOUNGER ENERGY CO.	Job Number	J3375
Contact	GARY YOUNGER	Representative	JOHN RIEDL
Well Name	PARKER ESTATE #5	Well Operator	YOUNGER ESTATE #5
Unique Well ID		Report Date	2015/10/21
Surface Location	S18/15S/12W	Prepared By	JOHN RIEDL
Field		Qualified By	KEITH REAVIS

Test Information

Test Type	DST #3 CONVENTIONAL
Formation	ARBUCKLE
Well Fluid Type	
Test Purpose	

Start Test Date	2015/10/21	Start Test Time	13:45:00
Final Test Date	2015/02/01	Final Test Time	19:00:00

Test Recovery

RECOVERY: 1480' GASSY OIL (10%GAS 90%OIL)



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

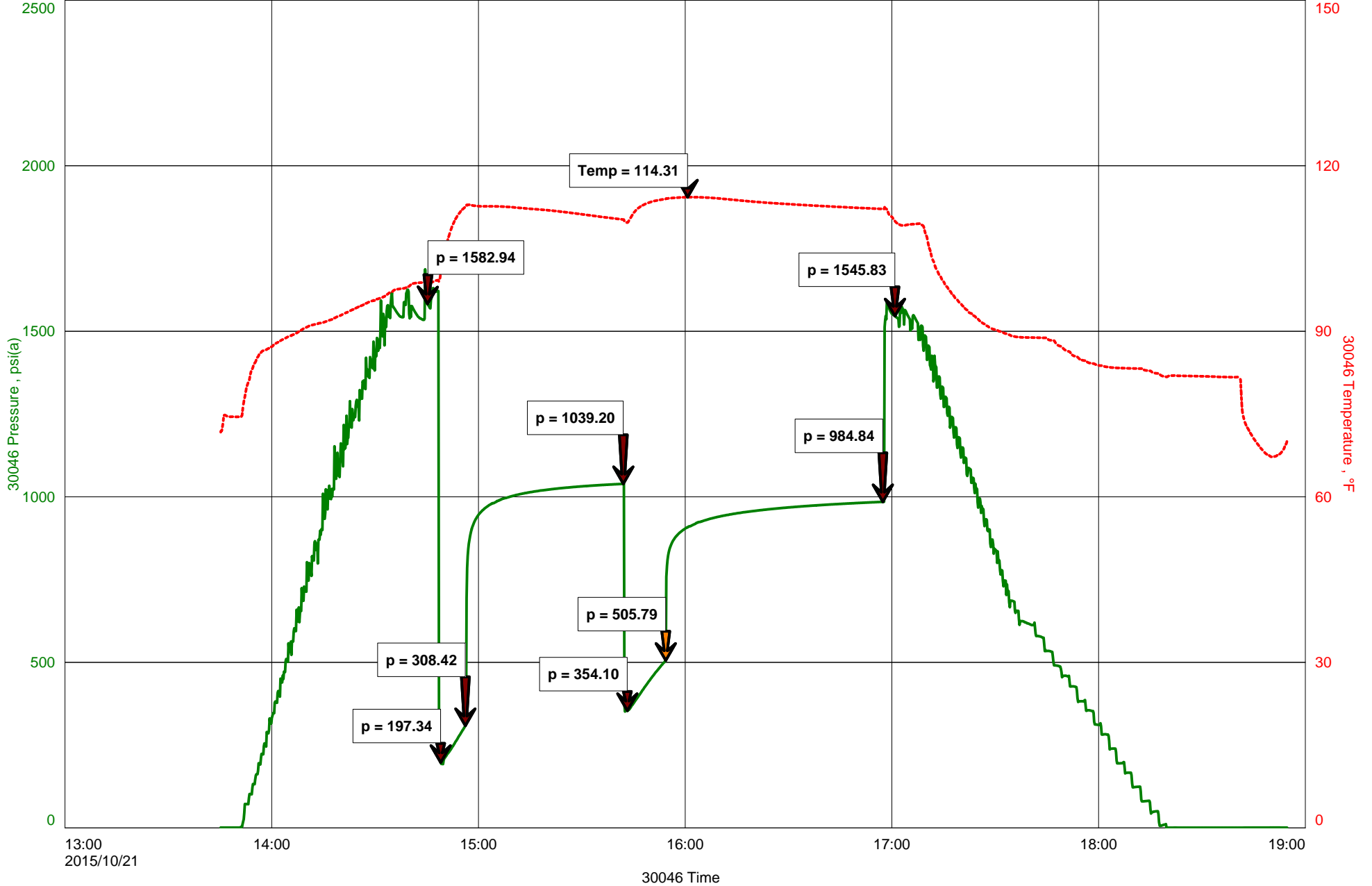
Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

PARKER ESTATE #5





RECEIVED OCT 26 2015

INVOICE

P.O. Box 205803
Dallas, TX 75320-5803

Invoice Number: 151009
Invoice Date: Oct 16, 2015
Page: 1

Voice: (832) 482-3742
Fax: (832) 482-3738

Bill To:
Younger Energy Co.
9415 E. Harry St.
STE #403
Wichita, KS 67207-5083

Federal Tax I.D.#: 20-8651475

Customer ID	Field Ticket #	Payment Terms		
Youn	55811	Net 30 Days		
Job Location	Camp Location	Service Date		
KS2-01	Great Bend	Oct 16, 2015		
Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Parker Estate #5		
250.00	CEMENT MATERIALS	Class A Common	17.90	4,475.00
705.00	CEMENT MATERIALS	Chloride	1.10	775.50
264.00	CEMENT SERVICE	Cubic Feet Charge	2.48	654.72
303.00	CEMENT SERVICE	Ton Mileage Charge	2.75	833.25
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
25.00	CEMENT SERVICE	Pump Truck Mileage	4.40	110.00
25.00	CEMENT SERVICE	Light Vehicle Mileage	7.70	192.50
1.00	EQUIPMENT SALES	8-5/8 Top Rubber Plug	131.00	131.00
1.00	JOB DISCOUNT	Job Discount if paid within terms -- Material & Equipment	2,690.75	-2,690.75
1.00	JOB DISCOUNT	Job Discount if paid within terms -- Cement Service	1,651.37	-1,651.37
1.00	CEMENT SUPERVISOR	Robert Yakubovich		
1.00	EQUIPMENT OPERATOR	Brian Lang		
1.00	OPERATOR ASSISTANT	Martyn Spangenberg		
20				
ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. ONLY IF PAID ON OR BEFORE			Subtotal	4,342.10
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Nov 15, 2015</div> 1 1/2% CHARGED THEREAFTER.			Sales Tax	228.71
			Total Invoice Amount	4,570.81
			Payment/Credit Applied	
			TOTAL	4,570.81

P. ESTER...
18...
copy to...

180211
Cement 8-5/8" surface w/ 250 sxs Class A Common
390 cc cement circulated to surface /#5

ALLIED OIL & GAS SERVICES, LLC 055811

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Great Bend KS

DATE <u>10-16-15</u>	SEC. <u>18</u>	TWP. <u>15</u>	RANGE <u>12</u>	ON LOCATION	JOB START <u>130 AM</u>	JOB FINISH <u>200 AM</u>
LEASE <u>Estate</u>	WELL # <u>5</u>	LOCATION <u>Subsant ks 7W 3 1/2 E</u>	CALLED OUT	COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)	OWNER <u>New into</u>					

CONTRACTOR Duke Z

TYPE OF JOB Surfaces

HOLE SIZE 12 1/4 T.D. 402

CASING SIZE 8 7/8 DEPTH 402

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 15

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 24.65

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y

346 HELPER Brian

BULK TRUCK _____

871/112 DRIVER Marland

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

see log

cement did circulate top 1'

Thank you!!!

CHARGE TO: Younger Energy Company

STREET _____ STATE _____ ZIP _____

CEMENT
AMOUNT ORDERED 250 com 37acc

COMMON <u>250</u>	@	<u>17.90</u>	<u>4475.00</u>
POZMIX _____	@		
GEL _____	@		
CHLORIDE <u>705</u>	@	<u>1.10</u>	<u>775.50</u>
ASC _____	@		
_____	@		<u>5150.50</u>
_____	@	<u>50%</u>	<u>2625.00</u>
_____	@		
_____	@		
_____	@		
_____	@		
_____	@		
HANDLING <u>264.00</u>	@	<u>3.48</u>	<u>654.72</u>
MILEAGE <u>303</u> <u>42.75</u>	@		<u>833.25</u>
TOTAL _____			

SERVICE

DEPTH OF JOB _____			
PUMP TRUCK CHARGE _____			<u>1512.25</u>
EXTRA FOOTAGE _____	@		
MILEAGE <u>Hum 25</u>	@	<u>7.70</u>	<u>192.50</u>
MANIFOLD <u>Hum 25</u>	@	<u>4.40</u>	<u>110.00</u>
_____	@		
_____	@		

TOTAL 3302.72
50% 1651.40

PLUG & FLOAT EQUIPMENT

<u>8 7/8 Top Rubber plug</u>	@	<u>131.00</u>	<u>131.00</u>
_____	@		
_____	@		
_____	@		

TOTAL 131.00
59% 65.50

SALES TAX (If Any) _____

TOTAL CHARGES 8684.22

DISCOUNT 4342.40 IF PAID IN 30 DAYS

4342.10

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

PRINTED NAME Dion Vasquez

SIGNATURE Dion Vasquez



P.O. Box 205803
Dallas, TX 75320-5803

Voice: (832) 482-3742
Fax: (832) 482-3738

Bill To:

Younger Energy Co.
9415 E. Harry St.
STE #403
Wichita, KS 67207-5083

RECEIVED NOV 5 2015

INVOICE

Invoice Number: 151079

Invoice Date: Oct 22, 2015

Page: 1

Federal Tax I.D.#: 20-8651475

Customer ID	Field Ticket #	Payment Terms		
Youn	55813	Net 30 Days		
Job Location	Camp Location	Service Date		
KS2-02	Great Bend	Oct 22, 2015		
Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Parker Estate #5		
140.00	CEMENT MATERIALS	ASC	23.50	3,290.00
30.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	567.60
10.00	CEMENT MATERIALS	SS-50	173.00	1,730.00
700.00	CEMENT MATERIALS	Gilsonite	0.98	686.00
231.00	CEMENT SERVICE	Cubic Feet Charge	2.48	572.88
247.00	CEMENT SERVICE	Ton Mileage Charge	2.75	679.25
1.00	CEMENT SERVICE	Long String	2,558.75	2,558.75
25.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	110.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
25.00	CEMENT SERVICE	Pump Truck Mileage	7.70	192.50
1.00	EQUIPMENT SALES	5-1/2 Guide Shoe	281.00	281.00
1.00	EQUIPMENT SALES	5-1/2 Top Rubber Plug	85.00	85.00
1.00	EQUIPMENT SALES	5-1/2 AFU Insert	335.00	335.00
10.00	EQUIPMENT SALES	5-1/2 Turbolizer	95.00	950.00
2.00	EQUIPMENT SALES	5-1/2 Basket	395.00	790.00
1.00	JOB DISCOUNT	Job Discount if paid within terms -- Material & Equipment	4,357.30	-4,357.30
1.00	JOB DISCOUNT	Job Discount if paid within terms -- Cement Service	2,194.19	-2,194.19
1.00	CEMENT SUPERVISOR	Robert Yakubovich		
1.00	CEMENT SUPERVISOR	Wayne Davis		
1.00	EQUIPMENT OPERATOR	Brian Lang		
<p>ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. ONLY IF PAID ON OR BEFORE</p>				
<p>Nov 21, 2015</p>				
<p>1 1/2% CHARGED THEREAFTER.</p>				
Subtotal				Continued
Sales Tax				Continued
Total Invoice Amount				Continued
Payment/Credit Applied				
TOTAL				Continued

180311
 Cement 5 1/2" production rsg
 w/ 140 5x5 ASC, 30x5 60/40 P02 M^m
 w RH & MH / #5

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Customer ID	Field Ticket #	Payment Terms		
Youn	55813	Net 30 Days		
Job Location	Camp Location	Service Date		
KS2-02	Great Bend	Oct 22, 2015		
Quantity	Item	Description	Unit Price	Amount
1.00	OPERATOR ASSISTANT	Marlyn Spangenberg		
<p>ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. ONLY IF PAID ON OR BEFORE</p>				
<p>Nov 21, 2015</p>				
<p>1 1/2% CHARGED THEREAFTER.</p>				
			Subtotal	6,551.49
			Sales Tax	370.37
			Total Invoice Amount	6,921.86
			Payment/Credit Applied	
			TOTAL	6,921.86

ALLIED OIL & GAS SERVICES, LLC

055313

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Somerset Gas (Band)

DATE <u>10-22-15</u>	SEC <u>18</u>	TWP <u>15</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 PM</u>	JOB FINISH <u>7:30 PM</u>
LEASE <u>Est 112</u>	WELL # <u>5</u>	LOCATION <u>Susant KW 7M 3 1/2 E</u>		COUNTY <u>Russell</u>	STATE <u>KW</u>		
OLD OR NEW (Circle one) <u>NEW</u> (Circle one)							

CONTRACTOR Duke # 20 OWNER _____

TYPE OF JOB long string

HOLE SIZE 7 7/8 I.D. 3376

CASING SIZE 5 1/2 DEPTH 3365

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 19.76

CEMENT LEFT IN CSG. 19.76

PERFS. _____

DISPLACEMENT 77.5

EQUIPMENT _____

PUMP TRUCK CEMENTER Robert Wayne

366 HELPER Brian L

BULK TRUCK _____

871-112 DRIVER Morland

BULK TRUCK _____

_____ DRIVER _____

REMARKS: _____

See log - Pa. machine
30 SXS 60 H0 RHT-MH
140 SXS PSC

Thank you!!!

CHARGE TO: Younger

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____ @ 3365
 PUMP TRUCK CHARGE 2538.75
 EXTRA FOOTAGE 0
 MILEAGE 25 LVMT @ 4.40 110.00
 MANIFOLD _____ @ 275.00 275.00
25 HKT @ 7.70 192.50

TOTAL 4388.38
 50% 2194.19
 PLUG & FLOAT EQUIPMENT 2194.19

WF Guides shoes @ 281.00 281.00
Top Rubber plys @ 85.00 85.00
AFW Inserts @ 335.00 335.00
10 WF trudors @ 95.00 950.00
2 WF bursts @ 395.00 790.00

TOTAL 2441.00
 50% 1220.50
1220.50

SALES TAX (If Any) _____
 TOTAL CHARGES 13102.98
 DISCOUNT 6551.49 IF PAID IN 30 DAYS

PRINTED NAME: Don B...

SIGNATURE _____