

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1240528
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

1240528

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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. 1963
 Foreman Kevin McCoy
 Camp EUREKA

API # 15-035-24623

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
11-20-14	1080	MBF #5-1	5	30S	5E	Cowley	Ks
Customer <u>LEON C. SMITHERMAN JR.</u>			Safety Meeting KM DG SF JK	Unit #	Driver	Unit #	Driver
Mailing Address <u>14331 TIPPERARY CIR</u>				105	DAVE G.		
City <u>WICHITA</u>				113	SHANNON F.		
State <u>KS</u>				145	JOEY K.		
Zip Code <u>67230</u>							

Job Type Longstring Hole Depth 3100' KB Slurry Vol. 54 BBL Tubing _____
 Casing Depth 3074.94' G.L. Hole Size 7 7/8" Slurry Wt. 13.7# Drill Pipe _____
 Casing Size & Wt. 5 1/2 Cement Left in Casing 0' Water Gal/SK 9.0 Other _____
 Displacement 76 BBL Displacement PSI 1000 Bump Plug to 1500 PSI BPM _____

Remarks: Safety Meeting: Rig up to 5 1/2 casing w/ Rotating Head. Break Circulation w/ 5 BBL water. Pump 12 BBL Metasilicate Pre Flush, 5 BBL water spacer. Mixed 165 sks THICK Set Cement w/ 5* KOI-SEAL 1SK @ 13.7#/gal, yield 185 = 54 BBL Slurry. Wash out Pump & Lines. Shut down. Release Latch down Plug. Displace Plug to Seat w/ 76 BBL Fresh water. Final Pumping Pressure 1000 PSI. Bump Plug to 1500 PSI. Wait 2 mins. Release Pressure. Float & Plug Held. Rotated Casing while Displacing Plug. Good Circulation @ ALL times while Cementing. Job Complete. Rig down.

Centralizers on #1, 2, 4, 6, 8. Baskets on Top of #2, 29

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1050.00	1050.00
C 107	40	Mileage	3.95	158.00
C 201	165 sks	THICK Set Cement	19.50	3217.50
C 207	825 #	KOI-SEAL 5 #/SK	.45 #	371.25
C 216	100 #	Metasilicate Pre Flush mixed w/ 12 BBL H2O	2.00 #	200.00
C 108 B	9.07 TONS	Ton Mileage 40 miles	1.35	489.78
C 113	4 HRS	80 BBL VAC TRUCK	85.00	340.00
C 224	3300 gals	City water	10.00/1000	33.00
C 661	1	5 1/2 AFU Float shoe	294.00	294.00
C 421	1	5 1/2 LATCH down Plug	230.00	230.00
C 604	2	5 1/2 Cement Baskets	225.00	450.00
C 504	5	5 1/2 Centralizers	48.00	240.00
C 112	1	RENTAL ON 5 1/2 ROTATING HEAD	100.00	100.00
<u>THANK You</u>			Sub TOTAL	7173.53
6.4%			Sales Tax	328.69
Authorization <u>Witnessed By Miss STAFFORD</u> Title <u>Toolpusher</u>			Total	7502.22

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561



Cement or Acid Field Report
Ticket No. 1976
Foreman Shannon Feck
Camp Eureka, KS

API # 15-085-24623

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
11-17-14		MBF 5-1	5	30S	5 E	Cowley	KS	
Customer <u>Leon C. Smitherman, Jr.</u>			Unit #		Driver		Unit #	Driver
Mailing Address <u>14331 Tippecanoe Cir</u>			105		Dave G			
City <u>Wichita</u>			113		Jody K			
State <u>KS</u>								
Zip Code <u>67230</u>								

Job Type S/P Hole Depth 224' Slurry Vol. 35 Bbl Tubing _____
 Casing Depth 220 SK.B Hole Size 12 1/4" Slurry Wt. 148-15# Drill Pipe _____
 Casing Size & Wt. 8 5/8" Cement Left in Casing -15-20' Water Gal/SK 6.5 Other _____
 Displacement 13 Bbl Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety Meeting, Rig up to 8 5/8" casing. Break circulation w/ 5 Bbl H2O. Mixed 150 SKS Class "A" cement w/ 3% calcium & 2% gel @ 14.8-15 #/gal. Displace w/ 13 Bbl H2O & shut casing in. Good circulation @ all times, 8-10 Bbl slurry to pit. Rig down job complete.

" Thank you "
Shannon & crew

Code	Qty or Units	Description of Product or Services	Unit Price	Total
L101	1	Pump Charge	840.00	840.00
C107	40	Mileage	3.95	158.00
C200	150 SKS	Class "A" cement	15.00	2250.00
C205	425 #	Calcium @ 3%	.60	255.00
C206	280 #	Gel @ 2%	.20	56.00
C108B	7.05 ton	Ton mileage bulk Trk	1.35	380.70
			Sub Total	3939.70
			Sales Tax <u>6.40%</u>	163.90
			Total	4103.60

Authorization [Signature] Title Plant Manager

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

Geologist's Report
WellSight Systems
 Scale 1:240 (5"=100') Imperial
 Measured Depth Log

Well Name: MBF #5-1
 Location: SE SE SE 5-30-5E
 License Number: API#15-035-24623
 Spud Date: 11-17-2014
 Surface Coordinates: N.A.

Region: COWLEY CO., KS
 Drilling Completed: 11-20-2014

Bottom Hole Coordinates: VERTICAL TEST
 Ground Elevation (ft): 1305 K.B. Elevation (ft): 1313
 Logged Interval (ft): 2200 To: TD Total Depth (ft): 3100
 Formation: MISSISSIPPI
 Type of Drilling Fluid: CHEMICAL GEL

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

Geologist

Name: TOM BLAIR
 Company: AAPG CERTIFIED PETROLEUM GEOLOGIST #5892
 Address: 22150 SE COLE CREEK RD.
 ATLANTA, KS 67008
 620-394-2324 tomkat@sktc.net


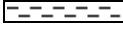


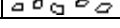



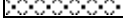
Operator

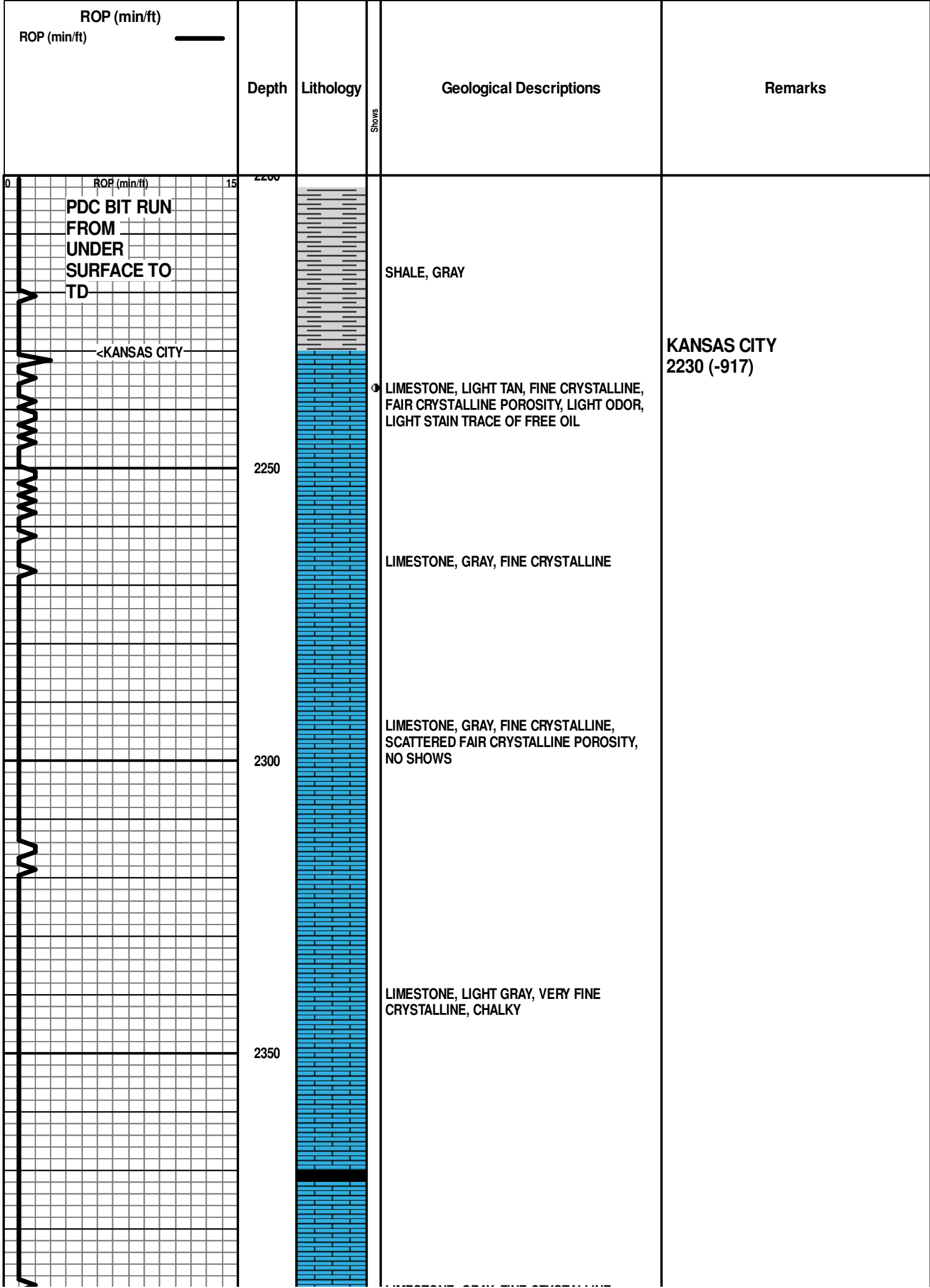
Company: LEON C. SMITHERMAN JR., LICENSE # 33025
 Address: 14331 TIPPERARY CIRCLE
 WICHITA, KS 67230
 316-733-5434

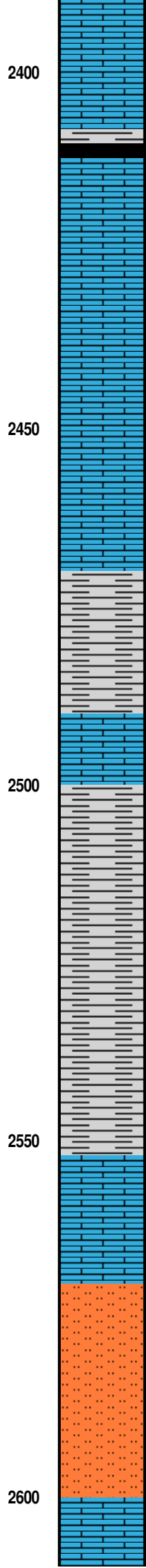
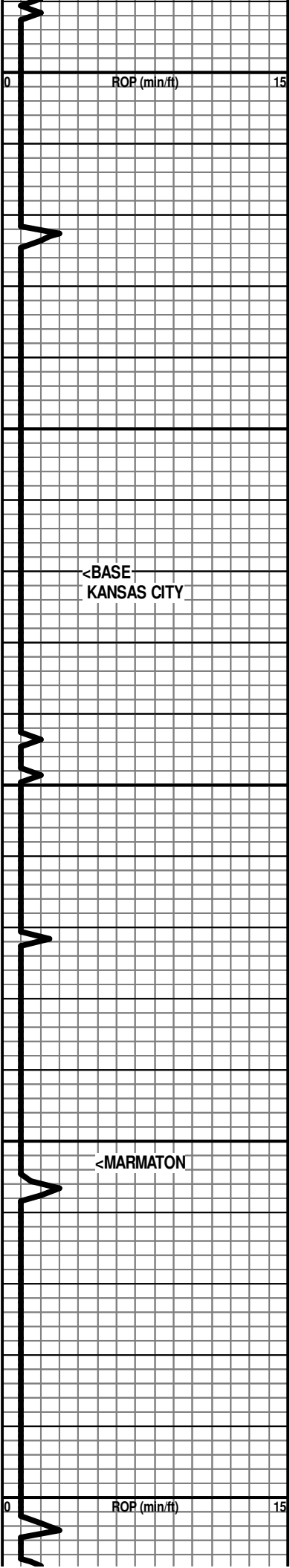
Drilling Information

CONTRACTOR: GULICK DRILLING INC., LICENSE # 32854
 DRILLING FLUIDS: FUD MUD
 LOGGING: TUCKER ENERGY SERVICES
 CEMENTING: ELITE CEMENTING AND ACIDIZING

Rock Types

 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Sltst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till





LIMESTONE, GRAY, FINE CRYSTALLINE

LIMESTONE, GRAY, FINE CRYSTALLINE, FAIR CRYSTALLINE POROSITY, NO SHOWS

SHALE, DARK GRAY

LIMESTONE, TAN, FINE CRYSTALLINE

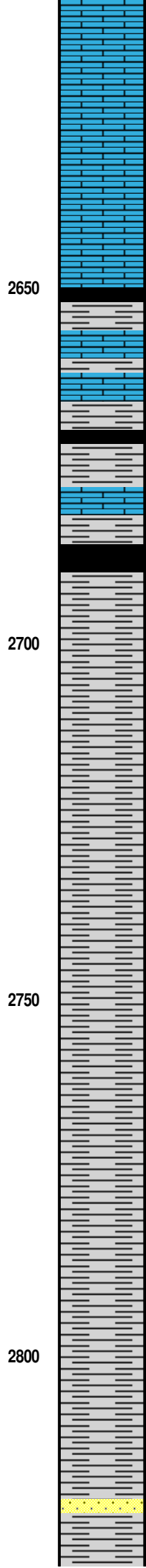
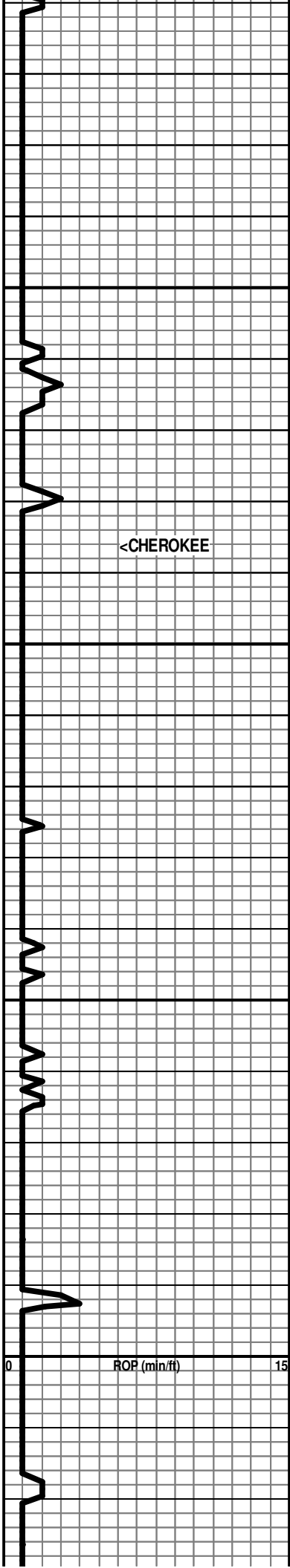
SHALE, GRAY

LIMESTONE, TAN, DENSE

SILTSTONE, GREEN AND GRAY, SHALEY, SOFT, NO SHOW

BASE KANSAS CITY
2470 (-1157)

MARMATON 2553 (-1240)



LIMESTONE, LIGHT GRAY, DENSE

2650

SHALE, BLACK

SHALE, BLACK

<CHEROKEE

SHALE, BLACK

CHEROKEE 2686 (-1373)

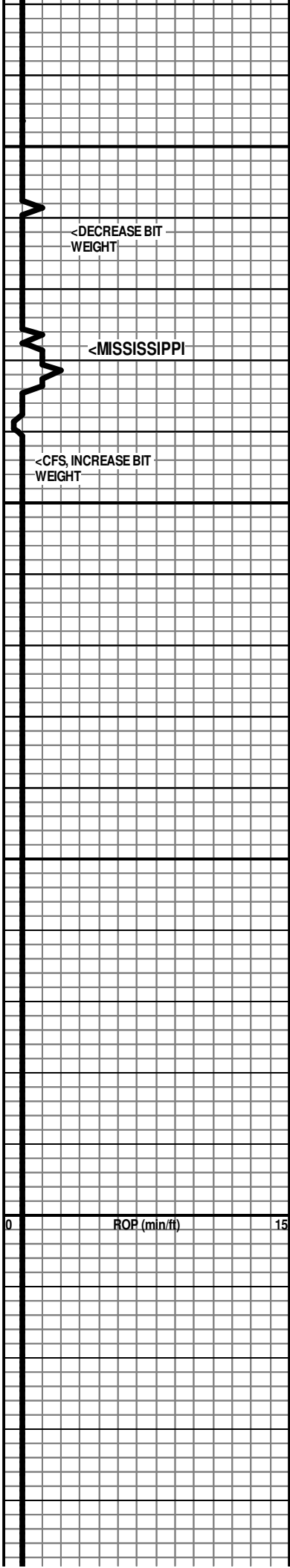
2700

SHALE, LIGHT GRAY

2750

SHALE, GRAY AND BLACK

2800



2850

SHALE, DARK GRAY AND BLACK

2900

CHERT, WHITE, TAN, MOSTLY FRESH, FOSSILS, FAINT ODOR, FEW PIECES WITH FLUORESCENCE, NO VISIBLE FREE OIL

CHERT, WHITE AND TAN, TRIPOLITIC, WITH LIMESTONE, TAN, SOME GOOD POROSITY IN CHERT, SCATTERED VUGULAR POROSITY, FLUORESCENCE IN 15%, FAIR SHOW GAS BUBBLES, TRACE OF FREE OIL

2950

LIMESTONE, LIGHT GRAY, DOLOMETIC, VERY FINE CRYSTALLINE, TRACE CHERT

DOLOMITE, DARK GRAY TO BROWN, VERY FINE CRYSTALLINE, SHALEY, DENSE

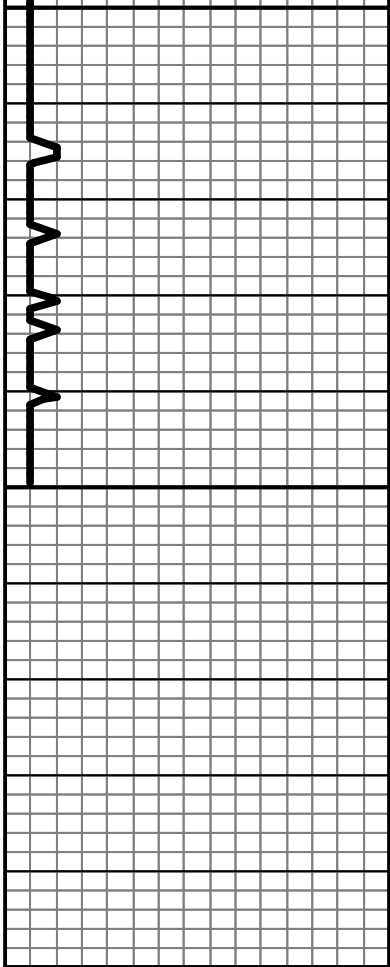
3000

DOLOMITE, DARK GRAY TO BROWN, VERY FINE CRYSTALLINE, WITH TRACES OF GLAUCONITE

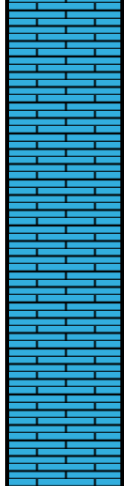
DOLOMITE, AS ABOVE

LIMESTONE, GRAY, FINE CRYSTALLINE

MISSISSIPPI 2878 (-1565)



3050
3100
3150



LIMESTONE, LIGHT GRAY, VERY FINE CRYSTALLINE, DENSE

LIMESTONE, VERY LIGHT TAN, FINE CRYSTALLINE, WITH CHERT, WHITE AND TAN, SPICULITIC, FRESH

VIS 51
WT 9.3
LCM 5#
WL 8.0
CL 1000 PPM

RTD 3100 (-1787)