

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

1204678

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

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: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ ☐ East ☐ West      County: \_\_\_\_\_

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto: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:					

<div style="text-align: center;"> <b>CASING RECORD</b> <input type="checkbox"/> New    <input type="checkbox"/> Used         </div> <div style="text-align: center;">Report all strings set-conductor, surface, intermediate, production, etc.</div>							
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 (Amount and Kind of Material Used)	Depth

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:			<input type="checkbox"/> Yes	<input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method:						
			<input type="checkbox"/> Flowing	<input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil	Bbbs.	Gas	Mcf	Water	Bbbs.	Gas-Oil Ratio	Gravity	

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented    <input type="checkbox"/> Sold    <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>		<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole    <input type="checkbox"/> Perf.    <input type="checkbox"/> Dually Comp.    <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i></p> <p><input type="checkbox"/> Other <i>(Specify)</i> _____</p>	<p>PRODUCTION INTERVAL:</p> <p>_____</p> <p>_____</p>
--	--	--	---

Form	ACO1 - Well Completion
Operator	Lebsack Oil Production Inc.
Well Name	Garden City 5-12
Doc ID	1204678

#### Tops

Name	Top	Datum
Heebner	3794	-877
Lansing	3888	-971
Marmation	4335	-1418
Ft. Scott	4441	-1524
Morrow Shale	4634	-1717
Mississippi	4694	-1777
St. Louis	4786	-1869
RTD	4860	-1943

Form	ACO1 - Well Completion
Operator	Lebsack Oil Production Inc.
Well Name	Garden City 5-12
Doc ID	1204678

#### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.250	8.625	23	417	common	265	
Production	7.875	5.5	14	4856	ASC	760	

# ALLIED OIL & GAS SERVICES, LLC 062217

Federal Tax I.D. # 20-8651476

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT

Oradell, KS

DATE <u>2-19-14</u>	SEC. <u>12</u>	TWR <u>22</u>	RANGE <u>34 W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00 AM</u>	JOB FINISH <u>11:30 AM</u>
LEASE <u>Warden City</u>	WELL # <u>12-22</u>	LOCATION <u>Warden City, N 20 3/4 Sec 12, R 24 E W 34 S</u>	COUNTY <u>LeFlore</u>	STATE <u>KS</u>			
OLD OR (NEW) (Circle one)							

CONTRACTOR AT #2  
TYPE OF JOB Surface  
HOLE SIZE 12 1/4 ID. 417  
CASING SIZE 8 3/8 DEPTH 417  
TUBING SIZE DEPTH  
DRILL PIPE DEPTH  
TOOL DEPTH  
PRES. MAX MINIMUM  
MEAS. LINE SHOE JOINT  
CEMENT LEFT IN CSG. FT  
PERFS.  
DISPLACEMENT 25 1/2

## EQUIPMENT

PUMP TRUCK CEMENTER Ruby Gabriel  
# 423 + 281 HELPER Wayne Mobley  
BULK TRUCK  
# 818 + 287 DRIVER Juan (Tus)  
BULK TRUCK  
# DRIVER

## REMARKS:

rigged up, mixed 26.5 sacks cement  
26.5 cc 2 1/2 gal water and plug  
displaced 25 1/2 min water,  
shut in

Cement did circulate

Thank You  
Ruby & Crew

CHARGE TO: Leback oil  
STREET  
CITY STATE ZIP

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 STEVEN CRAIG

SIGNATURE Steven Craig

OWNER Jane  
CEMENT  
AMOUNT ORDERED 26.5 COM 300 cc  
200 gal

COMMON 26.5 sacks @ 17.20 = 454.75  
POZ MIX  
GEL 5.00 @ 23.00 = 115.00  
CHLORIDE 9.00 @ 6.00 = 54.00  
ASC

HANDLING 26.5 sacks @ 2.00 = 53.00  
MILEAGE 12.4 @ 20.00 = 248.00  
TOTAL 857.75

## SERVICE

DEPTH OF JOB 417'  
PUMP TRUCK CHARGE 150.00  
EXTRA FOOTAGE  
MILEAGE M.H.V. 75 @ 7.00 = 525.00  
MANIFOLD Head @ 2.75 = 2.75  
M.S.L.V. 75 @ 4.70 = 352.50

TOTAL 2695.35

## PLUG & FLOAT EQUIPMENT

1 - 8 1/2" Warden Plug @ 107.00

TOTAL 107.00

SALES TAX (if Any)  
TOTAL CHARGES 11,377.78  
DISCOUNT 2,254.02 IF PAID IN 30 DAYS

9,123.75 Net

W.H.

Date 2-28-14 District Oklahoma KS Ticket No. 062002  
 Company Lebanon Oil Rig Harris  
 Lease Grandview city Well No. 5-12  
 County Finney State KS  
 Location D-28-34 Field

CASING DATA: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐  
 Surface ☐ Intermediate ☐ Production ☒ Liner ☐  
 Size 5 1/2 Type New Weight 14.25 Collar

Casing Depths: Top KB Bottom 4856  
 Trip Stage KB 2776

Drill Pipe: Size 7 7/8 Weight 48.60 Collars   
 Open Hole: Size 7 7/8 T.D. 4860 ft. P.B. to  ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0244 Lin. ft./Bbl.   
 Open Holes: Bbls/Lin. ft.  Lin. ft./Bbl.   
 Drill Pipe: Bbls/Lin. ft.  Lin. ft./Bbl.   
 Annulus: Bbls/Lin. ft.  Lin. ft./Bbl.   
 Perforations: From  ft. to  ft. Amt.

### CEMENT DATA:

Spacer Type:   
 Amt.  Skis Yield  ft<sup>3</sup>/sk Density  PPG

LEAD: Pump Time hrs Type AS 10%  
5.11 5 1/2 in. 2/10/14 Excess

Amt. 210 Skis Yield 1.56 ft<sup>3</sup>/sk Density 14.66 PPG

TAIL: Pump Time hrs Type 2.16 1/4"  
F10-2001 Excess

Amt. 550 Skis Yield 1.76 ft<sup>3</sup>/sk Density 12.92 PPG

WATER: Lead 6.97 gals/sk Tail 2.28 gals/sk Total  Bbls.

Pump Trucks Used 120 Tyler  
 Bulk Equip. 560 - Brandon  
373 Juan 2 (Tug)

Float Equip: Manufacturer Weatherford  
 Shoe: Type NEW Float shoe Depth   
 Float: Type Leak detector Flex plug Assy Depth   
 Centralizers: Quantity 7 Plugs Top  Btm. Flex  
 Stage Collars DW Tool  
 Special Equip. Blanket  
 Disp. Fluid Type higher bond water Bbls. Weight  PPG   
 Mud Type 50 16.97 17.73 Weight  PPG

### CEMENTER

Paul Bigler

### COMPANY REPRESENTATIVE

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
12:30			12.61	17.61		Hold Safety meeting
			5.61	17.61		pump WFR 11
						pump water spacer
						start cement
			39.85	51.85		mix 210 sks AS @ 14.66 lb
						stop cement / wash up pit
						release plug
			50.61	101.85		Displace w/ water
			67.97	118.82		Displace w/ water
1:00						mix 550 sks AS @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
2:00			6.63	176.45		plug and bleed @ 1700 ft
			4.42	180.87		mix 550 sks 1/4 @ 12.92 lb
			110.48	291.35		stop cement / wash up pit
						release plug
			67.73	359.08		Displace w/ water
2:30						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
						mix 550 sks 1/4 @ 12.92 lb
						stop cement / wash up pit
						release plug
						Displace w/ water
						plug and bleed @ 1700 ft
</						



# Joshua R. Austin

## Petroleum Geologist

report for



**Lebsack Oil Production, Inc.**

COMPANY: Lebsack Oil Production, Inc.

LEASE: Garden City #5-12

FIELD: Tanker

LOCATION: 1320' FNL & 1320' FEL

SEC: 12 TWSP: 22s RGE: 34w

COUNTY: Finney STATE: Kansas

KB: 2917 GL: 2906

API # 15-055-22276-00-00

CONTRACTOR: H2 Drilling LLC (rig #2)

Spud: 02/24/2014 Comp: 02/27/2014

RTD: 4860' LTD: 4860

Mud Up: 3400' Type Mud: Chemical was displaced

Samples Saved From: 3600' to RTD.

Drilling Time Kept From: 3600' to RTD.

Samples Examined From: 3600' to RTD.

Geological Supervision From: 3980' to RTD.

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 462'

Production Casing: 5 1/2" @

Electronic Surveys: By Pioneer Energy Services

### NOTES

On the basis of the positive structural position and the drill stem test, it was recommended to run 5 1/2" production casing to further test the Mississippi, Morrow and Lansing zones.

## Lebsack Oil Production, Inc.

### well comparison sheet

DRILLING WELL

COMPARISON WELL

COMPARISON WELL



2917 KB					Structural Relationship				2920 KB				Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	Sample	Log
Heebner	3790	-873	3794	-877	3794	-873	0	-4	3796	-879	6	2		
Toronto	3810	-893	3810	-893	3809	-888	-5	-5	3812	-895	2	2		
Lansing	3884	-967	3888	-971	3887	-966	-1	-5	3892	-975	8	4		
Base KC	4304	-1387	4308	-1391	4312	-1391	4	0	4315	-1398	11	7		
Marmaton	4334	-1417	4335	-1418	4340	-1419	2	1	4348	-1431	14	13		
Pawnee	4409	-1492	4416	-1499	4417	-1496	4	-3	4426	-1509	17	10		
Ft. Scott	4438	-1521	4441	-1524	4453	-1532	11	8	4456	-1539	18	15		
Cherokee Sh.	4450	-1533	4453	-1536	4460	-1539	6	3	4466	-1549	16	13		
Morrow Shale	4617	-1700	4634	-1717	4638	-1717	17	0	4646	-1729	29	12		
Mississippi	4678	-1761	4694	-1777	4690	-1769	8	-8	4717	-1800	39	23		
St. Louis C	4786	-1869	4786	-1869	4777	-1856	-13	-13	4775	-1858	-11	-11		
RTD	4860	-1943			4860	-1939			4860	-1943				
LTD	4866	-1949			4860	-1939			4860	-1943				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lebsack Oil Production, Inc

12 22s 34w Finney, Ks

PO Box 345  
Chase, Ks 67524

Garden City 5-12

Job Ticket: 56379

DST#: 1

ATTN: Josh Austin

Test Start: 2014.02.24 @ 17:42:00

### GENERAL INFORMATION:

Formation: Pawnee

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:52:30

Time Test Ended: 01:58:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: 4398.00 ft (KB) To 4426.00 ft (KB) (TVD)

Total Depth: 4426.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2917.00 ft (KB)

2906.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8522 Outside

Press@RunDepth: 49.48 psig @ 4399.00 ft (KB)

Start Date: 2014.02.24

End Date: 2014.02.25

Start Time: 17:42:05

End Time: 01:58:44

Capacity: 8000.00 psig

Last Calib.: 2014.02.25

Time On Btm: 2014.02.24 @ 21:52:15

Time Off Btm: 2014.02.25 @ 00:02:15

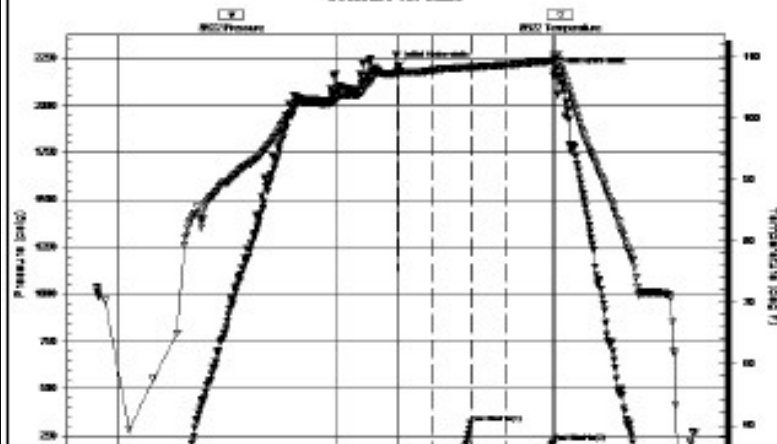
TEST COMMENT: IF: Blow died @ 8 min.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2208.13	108.25	Initial Hydro-static
1	38.95	107.60	Open To Flow (1)
29	46.42	107.78	Shut-in(1)
61	315.65	108.29	End Shut-in(1)
62	47.08	108.25	Open To Flow (2)
90	49.48	108.72	Shut-in(2)
130	217.30	109.26	End Shut-in(2)
130	2174.29	109.78	Final Hydro-static





### Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100m (oil spots)	0.10

### Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



**TRILOBITE**  
TESTING, INC.

## DRILL STEM TEST REPORT

Lebsack Oil Production, Inc

PO Box 345  
Chase, Ks 67524

ATTN: Josh Austin

12 22s 34w Finney, Ks

Garden City 5-12

Job Ticket: 56380

DST#: 2

Test Start: 2014.02.26 @ 06:28:00

### GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:05:30

Time Test Ended: 15:17:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4610.00 ft (KB) To 4670.00 ft (KB) (TVD)

Total Depth: 4670.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2917.00 ft (KB)

2906.00 ft (CF)

KB to GRVCF: 11.00 ft

Serial #: 8522

Outside

Press@RunDepth: 141.07 psig @ 4611.00 ft (KB)

Start Date: 2014.02.26

End Date:

2014.02.26

Start Time: 06:28:05

End Time:

15:17:45

Capacity: 8000.00 psig

Last Calib.: 2014.02.26

Time On Btm: 2014.02.26 @ 10:05:15

Time Off Btm: 2014.02.26 @ 12:09:30

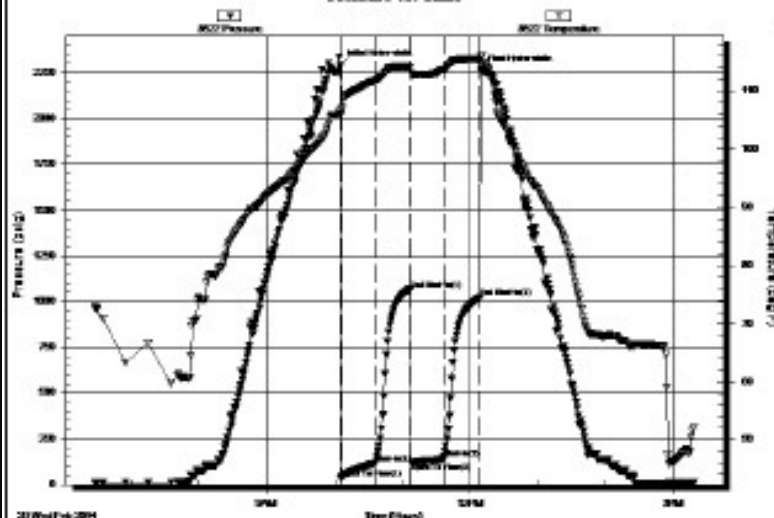
TEST COMMENT: IF: BOB @ 9 min.

IS: 1 1/2" return.

FF: BOB @ 4 min.

FSt: 1 1/2" return.

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2290.14	106.73	Initial Hydro-static
1	32.57	105.92	Open To Flow (1)
31	115.48	111.70	Shut-In(1)
62	1064.11	114.00	End Shut-In(1)
63	119.67	113.00	Open To Flow (2)
91	141.07	113.61	Shut-In(2)
124	1022.63	115.37	End Shut-In(2)
125	2262.57	115.90	Final Hydro-static

Recovery







Length (ft)	Description	Volume (bbl)
75.00	gs w mco 10g 2w 18m 70o	0.37
240.00	gocm 10g 40o 50m	1.84
0.00	840 GIP	0.00

\* Recovery from multiple tests

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------

ROCK TYPES

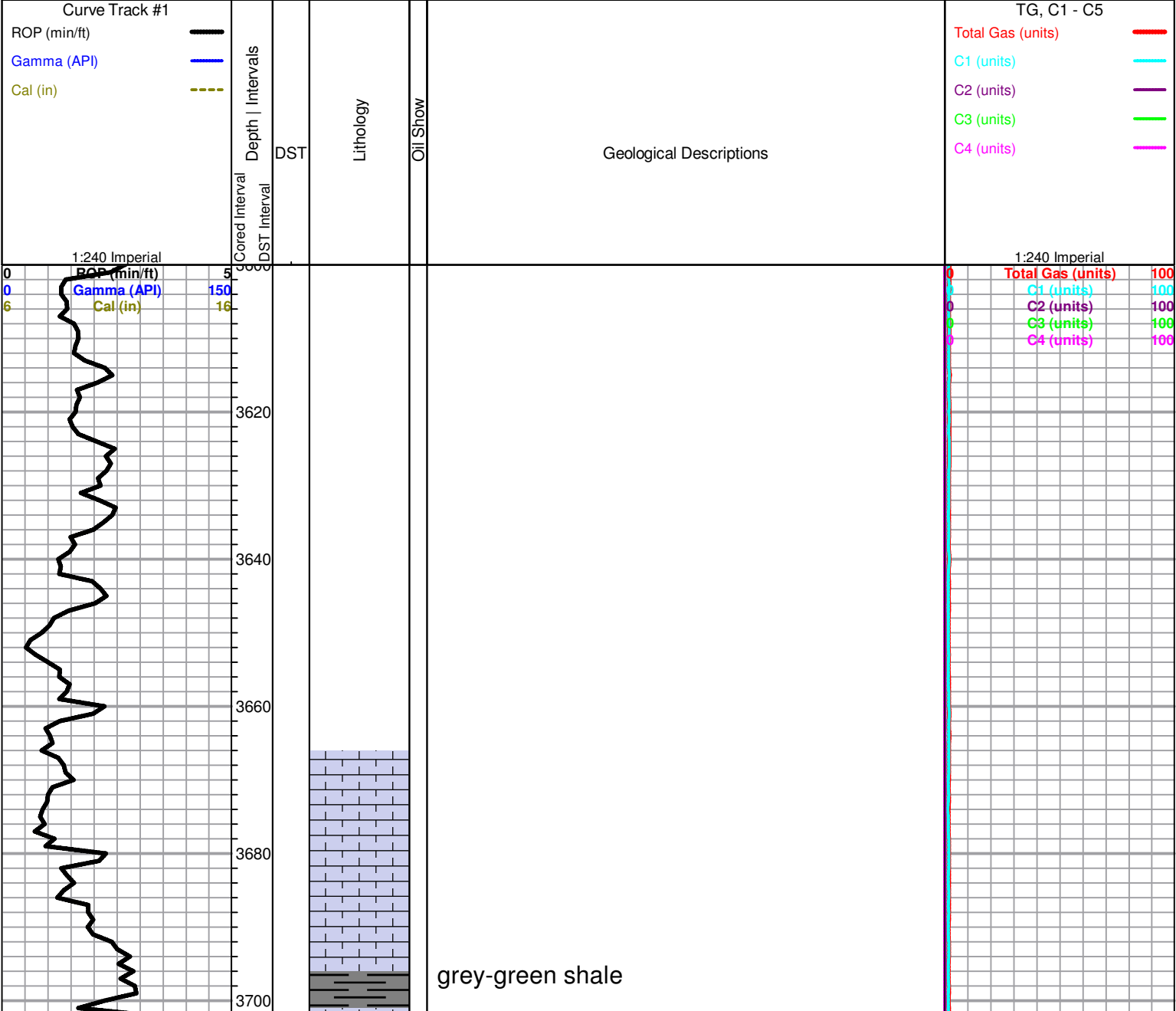
 sdymst	 shale, grn	 Carbon Sh
 Lmst fw7>	 shale, gry	 Ss

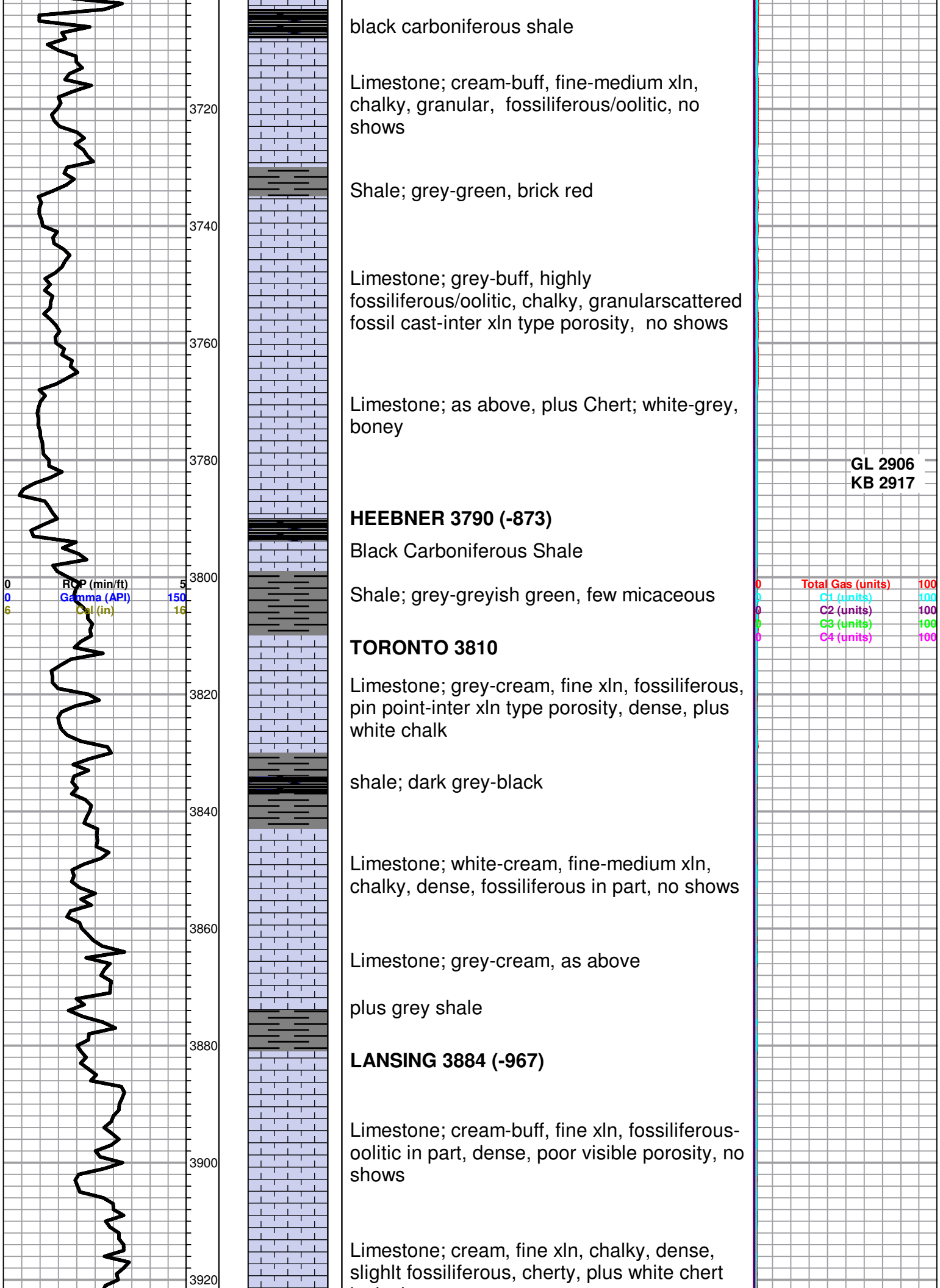
OTHER SYMBOLS

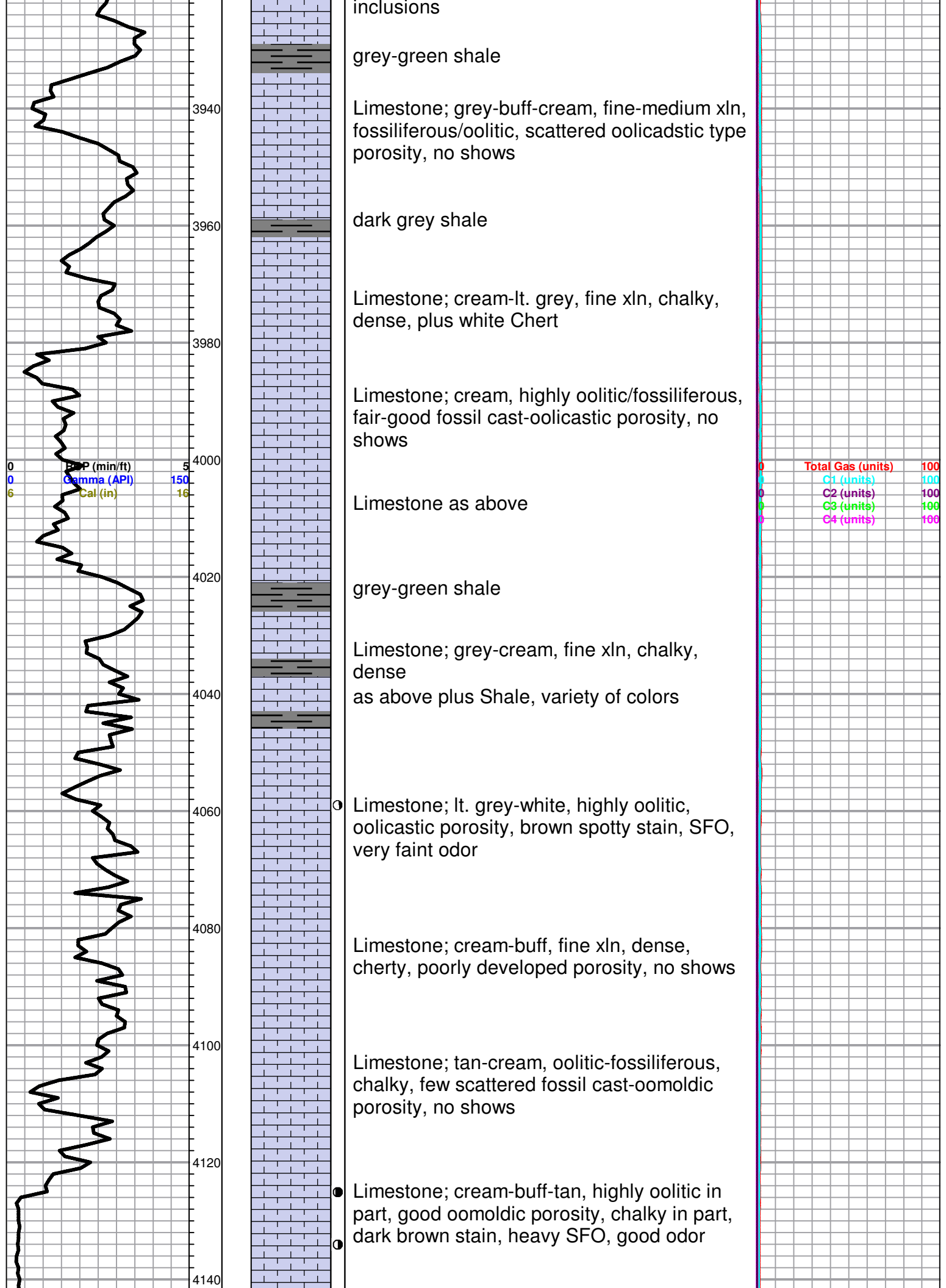
DST

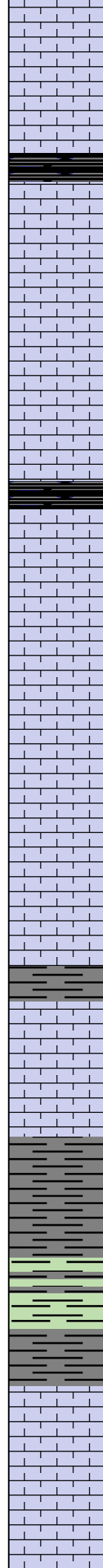
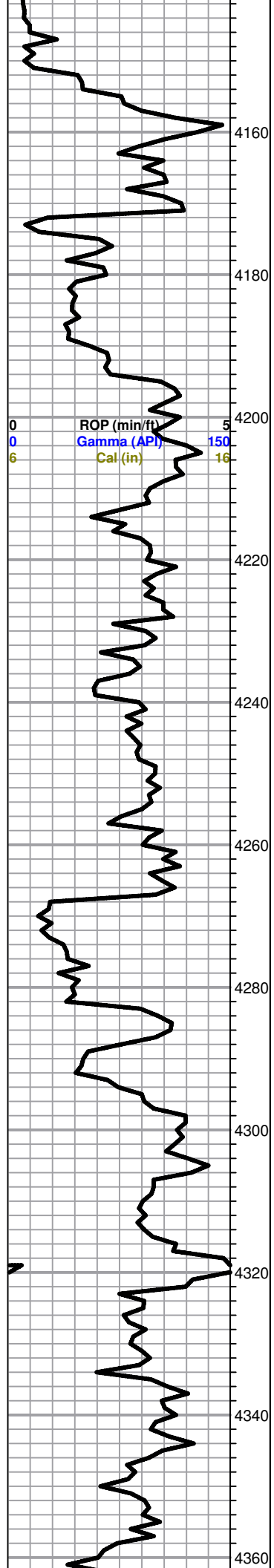
	DST Int
	DST alt
	Core
	tail pipe

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)









as above few barren pieces

### BASE POROSITY BREAK 4152

black carboniferous shale

Limestone; cream, oomoldic, chalky, few scattered oomoldic-sub oomoldic porosity, plus white chalk

Limestone; cream-tan, fine xln, chalky, dense

black carboniferous shale

Limestone; tan-cream, highly oolitic, dense, poorly developed porosity, no shows

○ Limestone; cream-grey, fine-micro xln, dense, poorly developed porosity, cherty, trace brown stain, trace free oil, plus grey, boney; Chert

○ Limestone; tan-cream, highly oolitic in part, sub oomoldic, fair oomoldic porosity SFO, dark brown stain, faint odor (possible up hole)

grey shale

○ Limestone; grey-buff, fine-medium xln, chalky, sub oomoldic, golden brown stain, slight SFO, no odor

### BASE KANSAS CITY 4304 (-1386)

Shale; grey-green, silty in part, few micaceous pieces

Shale; as above grey-green-maroon, soft

### MARMATON 4334 (-1417)

Limestone; lt. grey-cream, fine-medium xln, chalky in part, finely oolitic-fossiliferous, poor porosity, no shows

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

DST#1 4398-4426

30-30-30-30

Blow: weak-none

