



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1285667  
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: \_\_\_\_\_

1285667

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  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				

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Staab Oil Co., a General Partnership
Well Name	Rome Wilfric 1
Doc ID	1285667

Tops

Name	Top	Datum
Anhydrite	1273	781
base	1311	743
Topeka	3039	-985
Heebner	3276	-1222
Toronto	3296	-1242
Lansing	3320	-1266
BKC	3548	-1494
Arbuckle	3597	-1543
T.D.	3680	-1626



2530

# GLOBAL CEMENTING, L.L.C.

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>12-26-15</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>11/12/15</u>	WELL #.	LOCATION			COUNTY	STATE	
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR Shedels

TYPE OF JOB Rotary Plug

HOLE SIZE 7 1/2" T.D. 5050

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX 2100' MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 3054 60/40 476 gal

4 1/2" 5/16"

EQUIPMENT

PUMP TRUCK CEMENTER 11000

# 1 HELPER 1

BULK TRUCK \_\_\_\_\_

# 1 DRIVER 1

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

### REMARKS:

1 1/2" Plug @ 5077' = 5050

2 1/2" Plug @ 1300' = 5025

3 1/2" Plug @ 700' = 5000

4 1/2" Plug @ 200' = 5000

5 1/2" Plug @ 100' = 5000

6 1/2" Plug @ 50' = 5000

7 1/2" Plug @ 25' = 5000

8 1/2" Plug @ 12 1/2' = 5000

9 1/2" Plug @ 6 1/4' = 5000

10 1/2" Plug @ 3 1/8' = 5000

11 1/2" Plug @ 1 5/16' = 5000

12 1/2" Plug @ 7/8' = 5000

13 1/2" Plug @ 3/4' = 5000

14 1/2" Plug @ 3/8' = 5000

15 1/2" Plug @ 3/16' = 5000

CHARGE TO: Shedels Oil

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

### SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

### PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

9 1/2" Plug @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

Global Cementing, L.L.C.,  
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 George Beagle

SIGNATURE George Beagle

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



2530

# GLOBAL CEMENTING, L.L.C.

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT:  
Russell, KS

DATE <u>10/26/15</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>10/26/15</u>	WELL #.	LOCATION			COUNTY	STATE	
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR Specials

TYPE OF JOB Rating Plug

HOLE SIZE <u>7 1/2"</u>	T.D. <u>5000</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>3000'</u>	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS	
DISPLACEMENT	

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 305, 60/40 476 gal

10/26/15

EQUIPMENT

PUMP TRUCK	CEMENTER <u>11000</u>
# <u>100</u>	HELPER <u>John</u>
BULK TRUCK	
# <u>100</u>	DRIVER <u>John</u>
BULK TRUCK	
#	DRIVER

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	@	
MILEAGE	@	
TOTAL		

REMARKS:

1st Plug @ 5000' = 5000

2nd Plug @ 1500' = 5000

3rd Plug @ 700' = 1000

4th Plug @ 200' = 1000

Rate 100' plug Plug - Trip all well

RM = 5000

MT = 1500

CHARGE TO: check oil

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		
EXTRA FOOTAGE	@	
MILEAGE	@	
MANIFOLD	@	
	@	
	@	
TOTAL		

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
<u>979 Plug</u>	@	
	@	
TOTAL		

Global Cementing, L.L.C.,  
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PRINTED NAME George Bogle

SIGNATURE George Bogle

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



# GLOBAL CEMENTING, L.L.C.

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT Russell, KS.

DATE <u>11-19-15</u>	SEC. <u>32</u>	TWP. <u>12</u>	RANGE <u>17</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>9:30 PM</u>
LEASE <u>Home WIT</u>		WELL # <u>#1</u>	LOCATION <u>CATHERINE 1W 2 1/2 N FINTON E 11 S</u>			COUNTY	STATE <u>KANSAS</u>
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR SHIRLEY'S DRUG RITE

TYPE OF JOB Cement SURE-SE

HOLE SIZE 12 1/4 T.D. 215'

CASING SIZE 8 5/8 New DEPTH 212'

TUBING SIZE 20" CSG DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS

DISPLACEMENT 12 3/4 / BBL

EQUIPMENT

PUMP TRUCK CEMENTER Heath L. Glenn B.

# P-2 HELPER

BULK TRUCK

# B-5 DRIVER JASON M.

BULK TRUCK

# DRIVER

OWNER

CEMENT AMOUNT ORDERED 150 SX Com

3 3/4 32

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

8 5/8 set @ 212'

Required 4000

Cement w/ 150 SX Com 342

Displace 12 3/4 BBL

Shot in @ 250 #.

Cement Circulated

THANKS

CHARGE TO: STAAB Oil Co. General

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

Global Cementing, L.L.C.,  
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 George Begler

SIGNATURE George Begler

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS



**Janel Staab**  
Consulting Petroleum Geologist

2428 Toulon Ave  
Hays, KS 67601  
Phone: 785-625-4311  
Cell Phone: 785-635-1660

**GEOLOGIST'S WELL REPORT**

COMPANY Staab Oil Company #6037  
WELL Rome-Wilfric  
FIELD Reed

LOCATION (legal) NW-SW-SW-NW 2100' FNL 90' FWL  
Section 32 TWP 12S RGE 17W  
(Map) 1 mi W + 2 1/2 mi N. of Catharine  
COUNTY Ellis STATE Kansas  
ELEVATION: 2054 K.B., 2049 G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-051-26812-00-00  
GEOLOGY BY Janel Staab



# PERTINENT WELL DATA

CONTRACTOR Shields Drilling Company #518  
RIG # 2 HYDRAULICS Beth 225 6x14x60  
DRILL PIPE 4.5" XH COLLARS 6 1/4" x 2 1/2" (233)  
CASING: SURFACE 8 5/8" @ 212' w/150 SX common  
PRODUCTION 5 1/2" @ 3680' w/150 SX common  
DRILLING FLUID: COMPANY Mud-Co / Services Mud Inc  
TYPE: Chemical Gary Schmidtberg  
REMARKS: Full Service  
DRILL STEM TESTS: COMPANY Trilobite Testing Inc  
NUMBER OF TESTS 3 Ray Schwager  
ELECTIC LOGS: COMPANY Cased Hole Solution  
DETAIL (5") 3000' - RTD  
TYPE DI, Comp N.D. Micro  
DRILLING TIME FROM 3000' TO RTD  
SAMPLE TIME FROM 3000' TO RTD  
SUPERVISION FROM 3000' TO RTD  
VERTICAL DEVIATION 3/4" @ 215', 1" @ 3366'  
PLUGGING REPORT \_\_\_\_\_  
RESERVE PIT \_\_\_\_\_







# DRILL STEM TESTS

NO	INTERVAL	IFF/TIME	ISIF/TIME	FF/TIME	FSIF/TIME	IHP/FHP	RECOVERY
1	3312'- 3364' LKC A-C	17 17 5	52 60	18 18 10	— out	1588# 1541#	2' mud
2	3364'- 3431' LKC D-G	19 23 5	237 60	23 33 60	145 90	1637# 1620#	60' GIP 30' SOCM
3	3511'- 3612' Arb.	16- 26 15	582 60	26- 50 90	370 90	1741# 1717#	70' MW - show of 90% water 20% mud
4							
5							
6							
7							
8							

### MUD RECORD

CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	1911	8.9	27		520	
2	2719	10.5	31	NC	7000	-
3	3346	8.7	59	7.2	3000	29
4	3431	8.9	58	7.2	4000	29
5	3680	9.3	59	9.6	9000	35
6						
7						
8						
9						
10						
11						

LCM #2  
 LCM #2  
 LCM #2

### BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH	FEET	HOURS
1	12 1/4"	Reed	Multiteeth	215'	215'	5 3/4
2	7 7/8"	Reed	S-52	<del>3445</del> 3366	<del>3445</del> 3151	6 2 1/2
3						
4	7 7/8"	Reed	S-52	3680	314	19

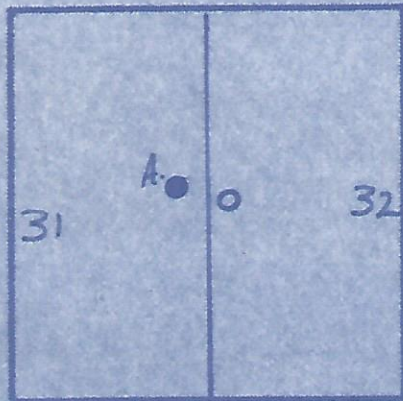


# FORMATION TOPS & STRUCTURAL GEO

REFERRED TO:

A: Stueb Oil Company  
Willic #1 SE-SE NE S

- B: \_\_\_\_\_  
 C: \_\_\_\_\_  
 D: \_\_\_\_\_  
 E: \_\_\_\_\_



STRATIGRAPHIC MARKERS	SUBJECT WELL		STRUCTURAL POSITION			
	SAMPLE	E. LOG	DATUM	A	B	C
Anhydrite	1275	1273	+781	+780		
Base	1312	1311	+743	+742		
Topeka	3041	3039	-985	-981		
Heebner	3279	3276	-1222	-1219		
Toronto	3296	3296	-1242	-1239		
Lansing	3326	3320	-1266	-1265		
BKC	3548	3548	-1494	-1491		
Arbuckle	3595	3597	-1543	-1526		
TD	3680	3680	-1624	-1600		

\*Structural position of subject well as compared to refer



## SUMMARY

The Rome Wilfric was drilled using S  
Location was Sec 32 T12S, R17W 1W  
Ellis Co. Kansas starting on November 14  
reached T.D. on November 24, 2015

3-D Seismic indicated that this loc  
was Arbuckle high compared to surround  
drilled.

3 DST's and logs were ran. All  
had negative results. Logs confirmed  
this location actually was structurally low  
compared to reference well.

As a result the well was Q + A.

*Paul Seay*



Wells #2.

2015 and

ation

g holes

3 DST's

that

REMARKS

LITHOLOGY (LAGGED)

# & SHOWS  
POOR  
FAIR  
GOOD  
DST

DRILLING TIME (min/ft)

1/2 1 2 3 4 5678910

1270  
1275 Ank  
+774 80

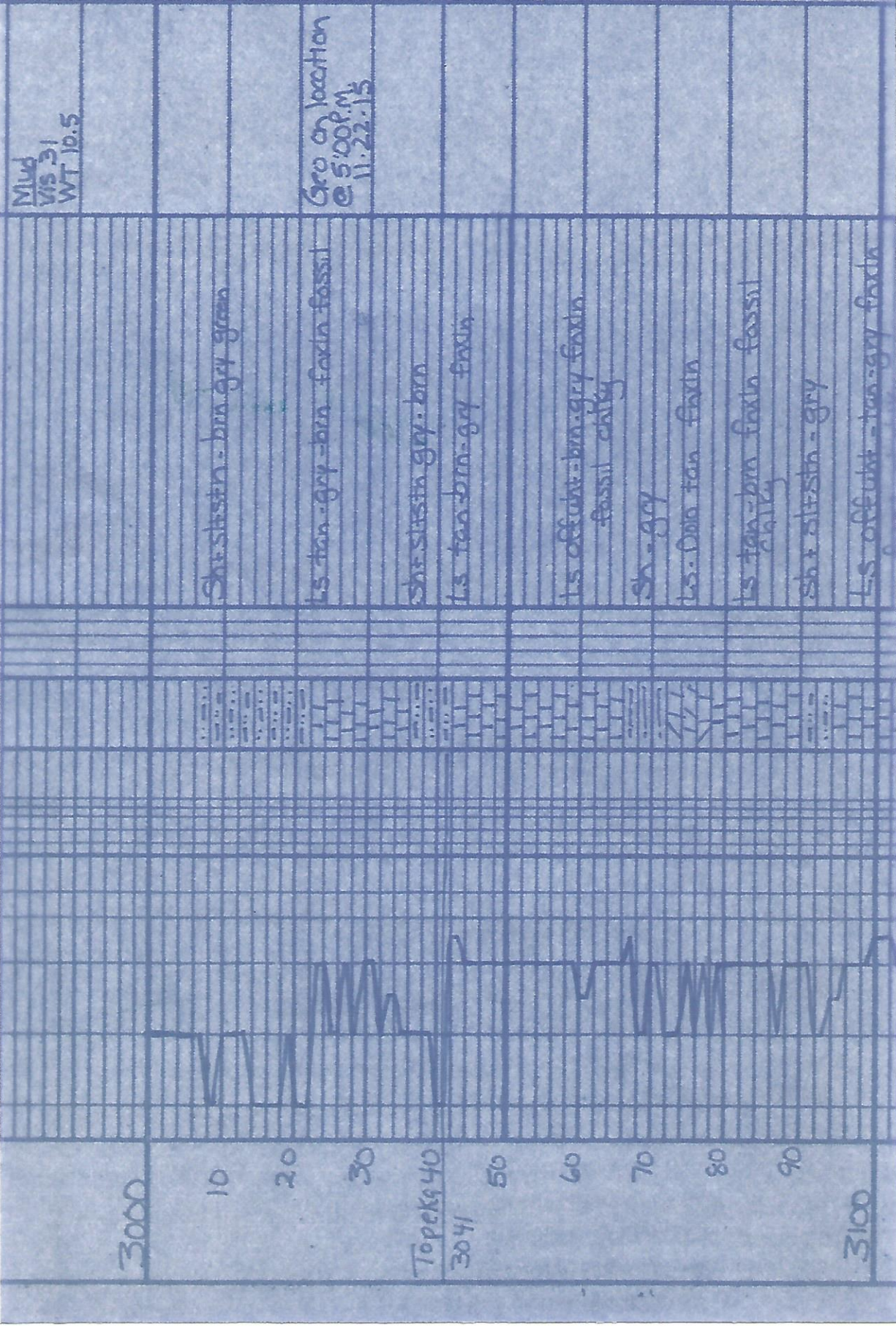
90

1300

Base 10  
1312  
+742 20

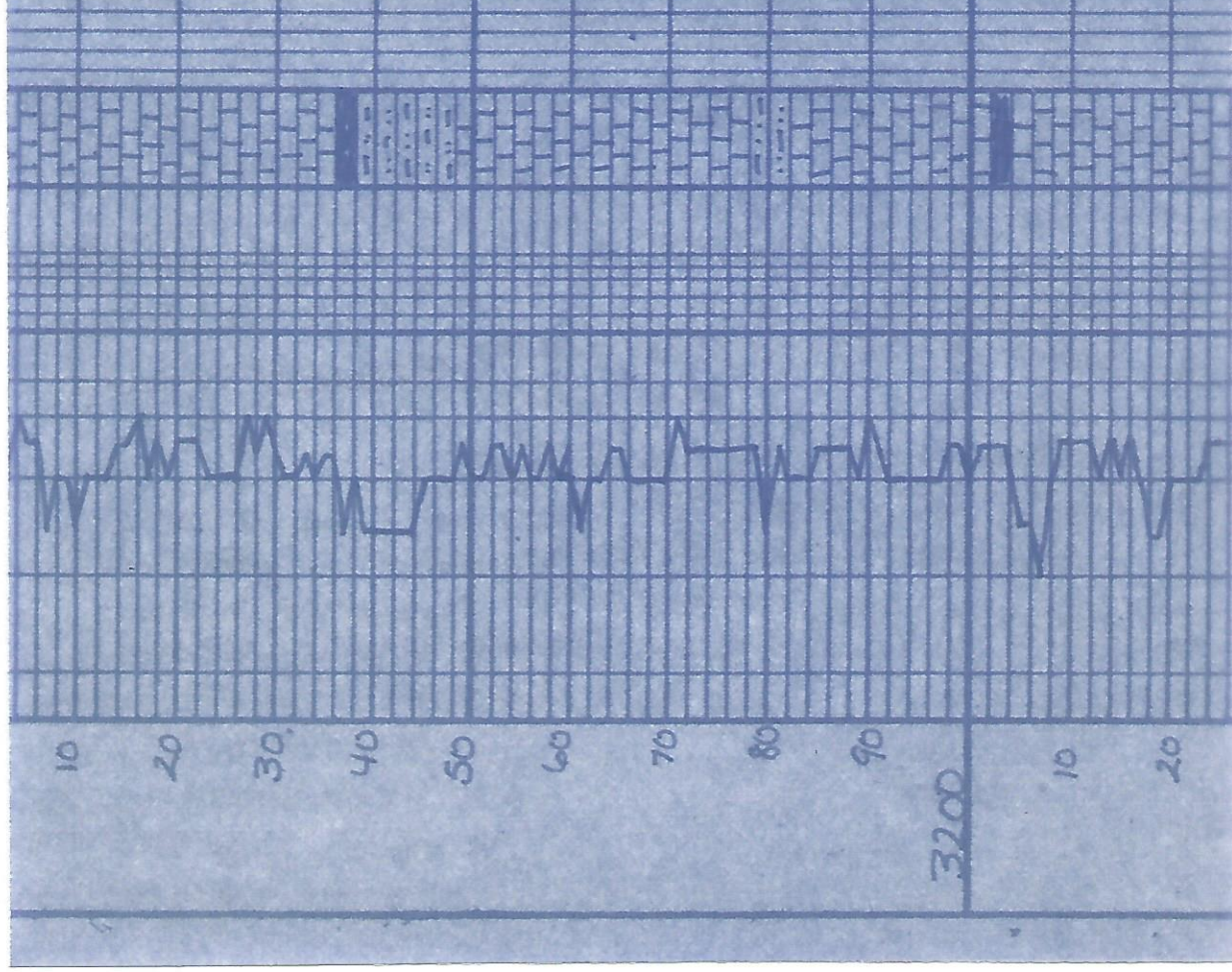
Displaced  
2971'



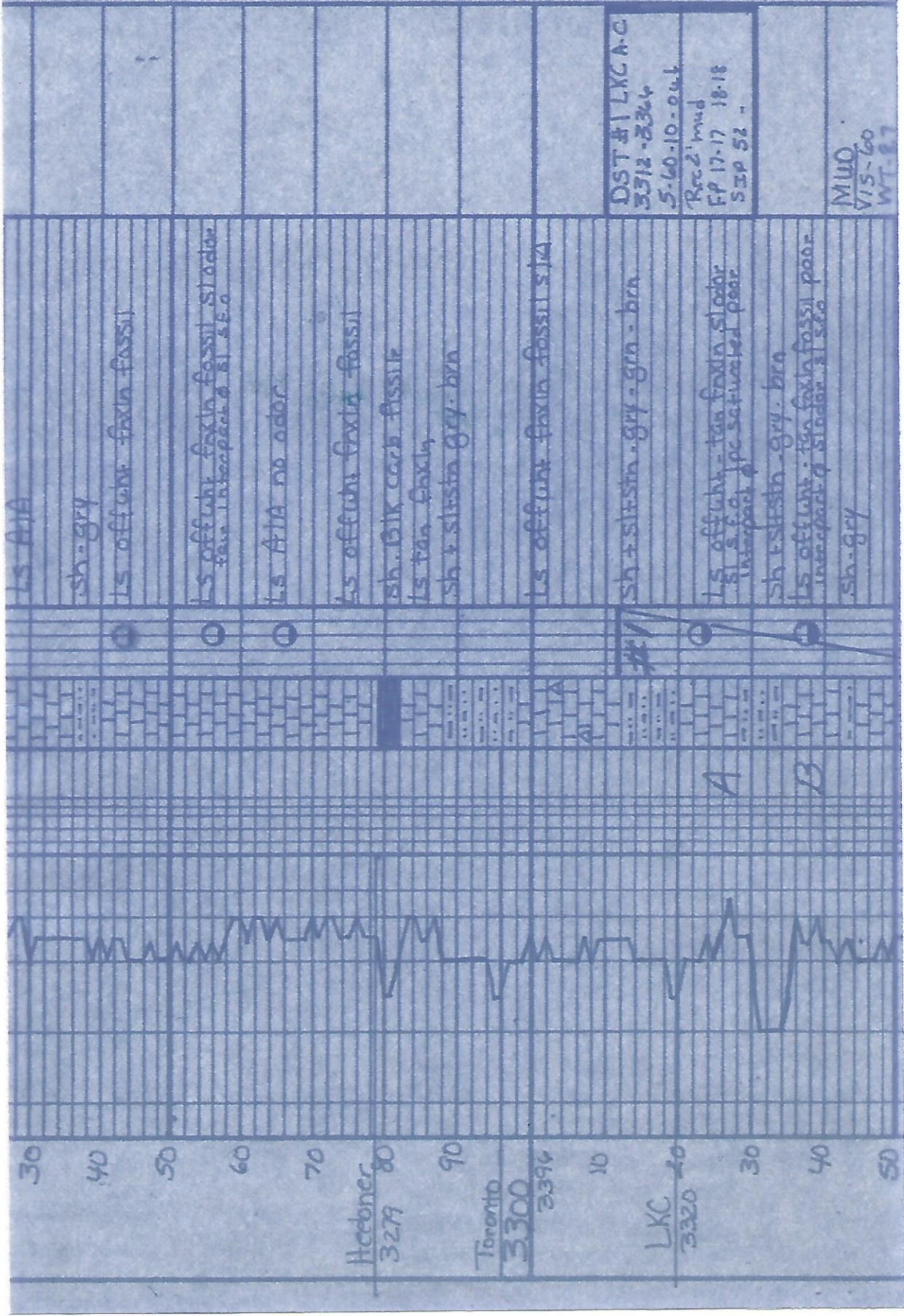




LS A1A
Sh. B1K
Sh. siltstn. gry. green-brn
LS top - gry. fossil cherty - si pyrite
LS A1A
Sh. siltstn. gry. brn
LS off wht - tan fossil
Sh. dr. gry. B1K
LS tan fossil silty







Ls A1A

sh-gry

Ls offwhite faxia fossil

Ls offwhite faxia fossil s.l. odor  
 base intercept of B1 s.l.a

Ls A1A no odor

Ls offwhite faxia fossil

sh. Blk carb fissile

Ls tan faxia

sh + siltsstn gry-brn

Ls offwhite faxia fossil s.l.a

sh + siltsstn - gry - grn - brn

Ls offwhite - tan faxia s.l. odor  
 s.l. s.f.a. 1 pc saturated poor  
 intercept of

sh + siltsstn - gry - brn

Ls offwhite - tan faxia fossil poor  
 intercept of s.l.a

sh-gry

DST #1 LKCA-C  
 3312-2324  
 5-60-10-041  
 Rrc 2' mud  
 FP 17-17 18-18  
 SIP 52

MIUD  
 V15-60  
 WT 8.7

30  
 40  
 50  
 60  
 70  
 80  
 90  
 10  
 20  
 30  
 40  
 50

Hebner  
 3279

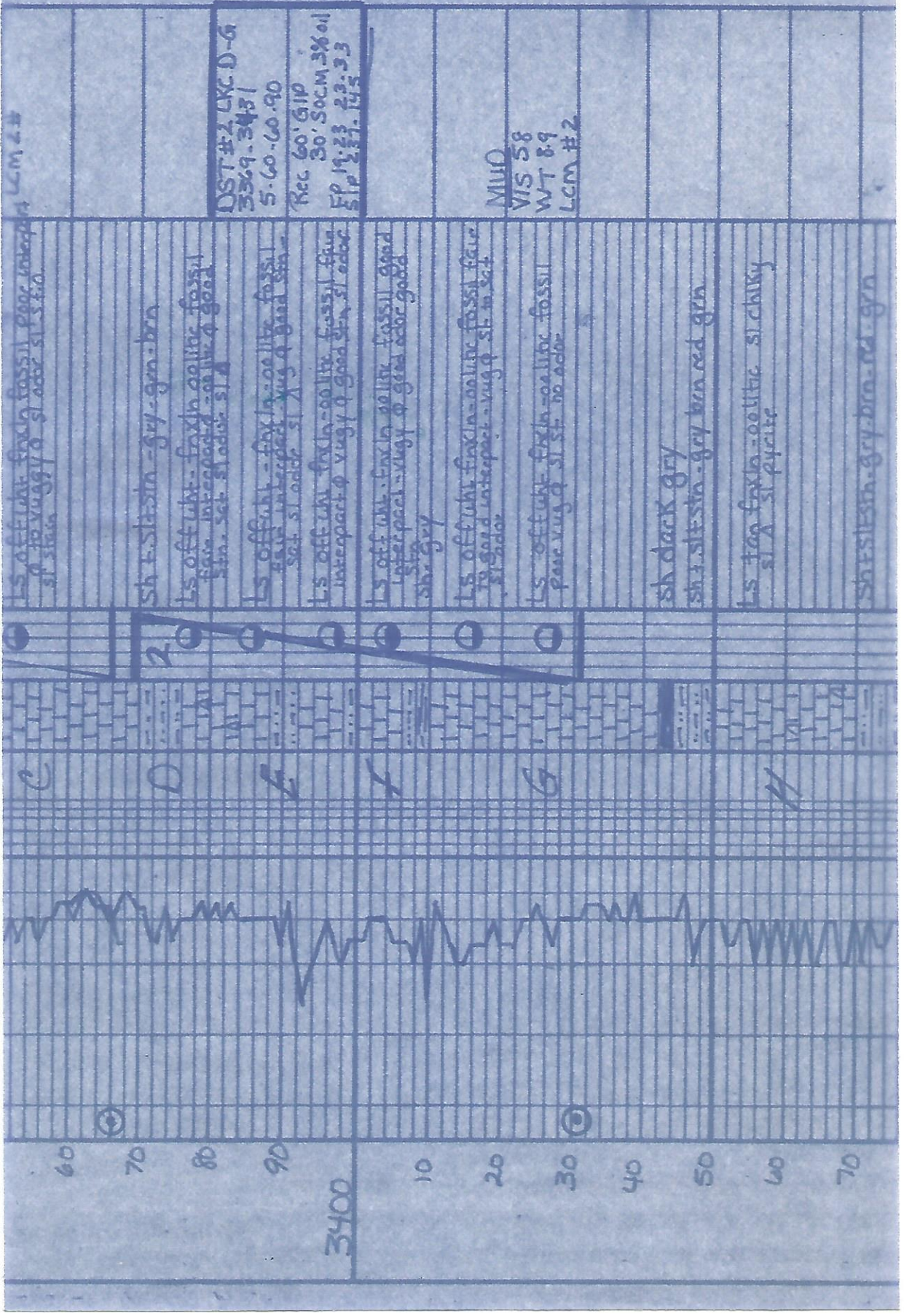
Toronto  
 3300  
 3394

LKC  
 3320

A

B





Ls off wht. fexln fossil poor interpart  
of no vuggy of sl odor sl s.f.a.

sh s.s. st. stn - gry - gen - brn

Ls off wht. fexln colltic fossil  
fexln. interpart of - colltic of good  
fexln. set s.f. odor: sl s.f.a.

Ls off wht. fexln - colltic fossil  
fexln. interpart of vug of good odor  
set s.f. odor: sl s.f.a.

Ls off wht. fexln - colltic fossil  
interpart of vug of good odor, sl s.f. odor

Ls off wht. fexln colltic fossil good  
interpart of vug of good odor good  
sh. gry

Ls off wht. fexln - colltic fossil fair  
to good interpart - vug of sl s.f. odor

Ls off wht. fexln - colltic fossil  
poor vug of sl s.f. no odor

sh dark gry  
sh. s.s. st. stn - gry brn red gen

Ls tan fexln - colltic s.f. chusy  
sl s.f. pyrite

sh s.s. st. stn - gry brn - rd - gen

DST #2, LKC D-G  
3369.3431  
5-60-60-90  
Rec 60' GIP  
30' SocM - 3% oil  
FP 19.23 2.2-3.3  
SIP 2.77-1.45

MUD  
VIS 58  
WT 8.9  
LCM #2

LCM #2

60

70

80

90

3400

10

20

30

40

50

60

70

C

D

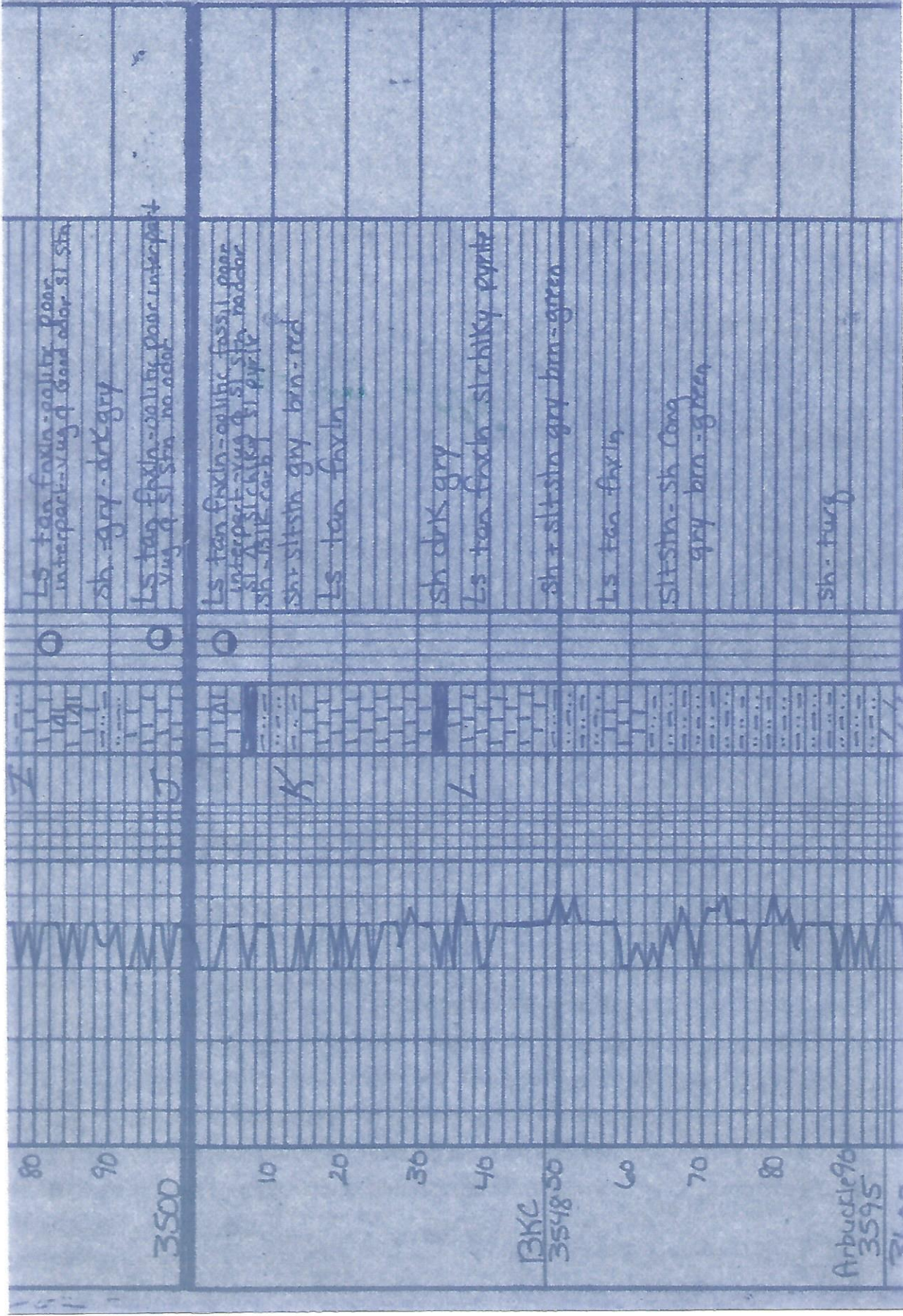
E

F

G

H







DST #3  
 3597.3612 Arb.  
 15.40.90.90  
 FR 16.20 26.00  
 STP 582-370  
 Rec 70' M.W.S.O.  
 80% water  
 20% mud

MUD  
 VLS 59  
 WT 9.3  
 LCM #2

Dolo clear tan fine-grained  
 good vis of oil str. s.t.o. good  
 set. good odor

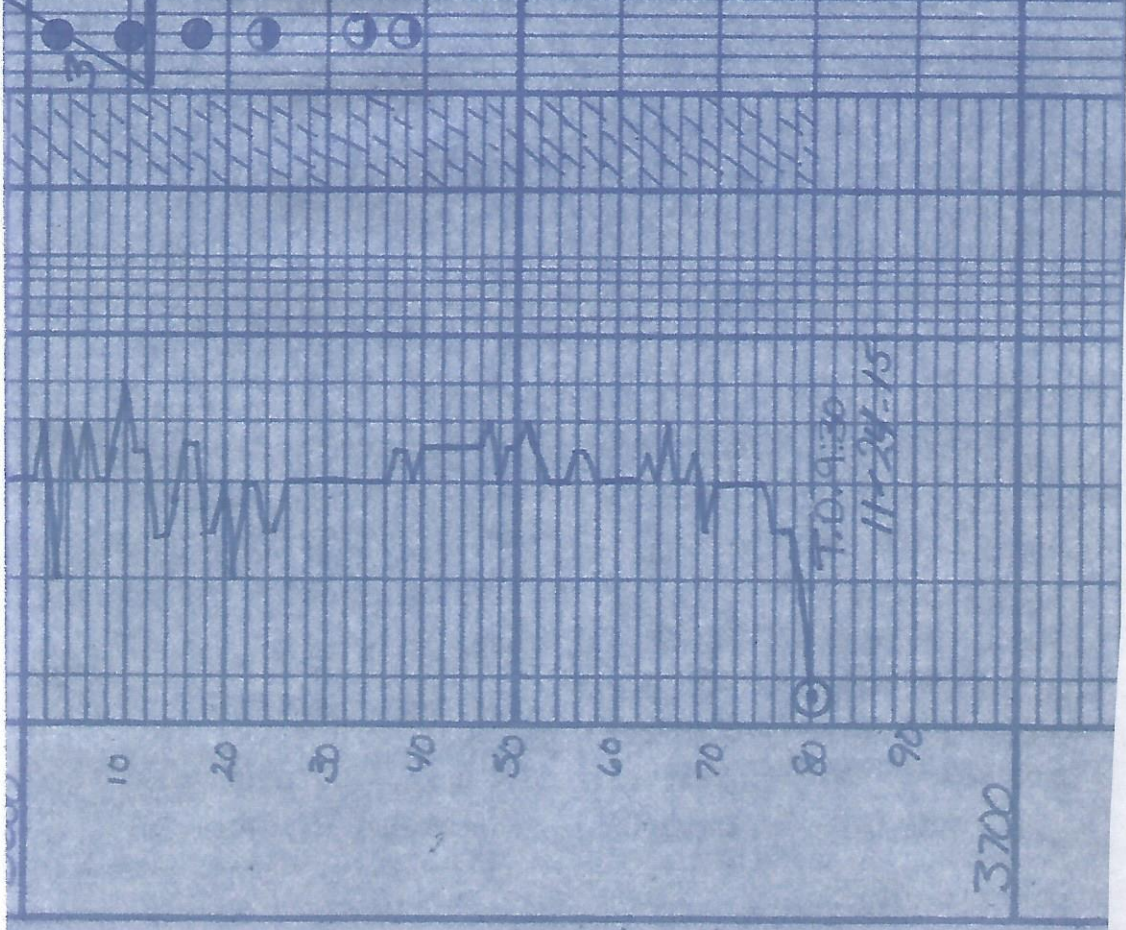
Dolo AHA

Dolo clear tan fine-grained  
 fair intercont. vis of oil set  
 s.t.o. good odor

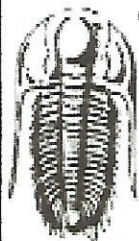
Dolo clear tan fine-grained  
 fair intercont. vis of dark tan  
 oil str. good odor

Dolo Brown porous

Remarks Dolo







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Staab Oil Co

**32-12s-17w Ellis**

1607 Hopewell Rd  
Hays Ks 67601-9443

**Rome Wilfric #1**

Job Ticket: 64905

**DST#: 1**

ATTN: Frank & Janel Staab

Test Start: 2015.11.23 @ 11:50:38

## GENERAL INFORMATION:

Formation: **LKC A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:31:33

Time Test Ended: 16:06:03

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: **3312.00 ft (KB) To 3366.00 ft (KB) (TVD)**

Reference Elevations: 2054.00 ft (KB)

Total Depth: 3366.00 ft (KB) (TVD)

2049.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

## Serial #: 8018

Inside

Press@RunDepth: 17.26 psig @ 3314.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.11.23

End Date:

2015.11.23

Last Calib.: 2015.11.23

Start Time: 11:50:38

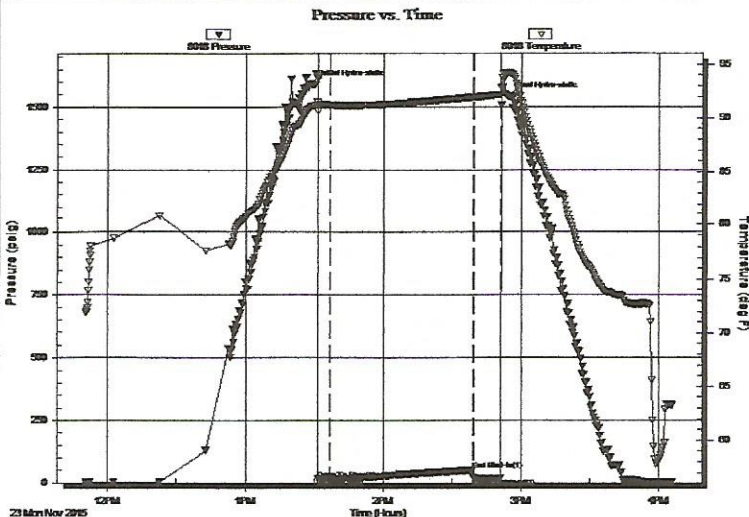
End Time:

16:06:03

Time On Btm: 2015.11.23 @ 13:29:33

Time Off Btm: 2015.11.23 @ 14:54:18

TEST COMMENT: 5-IFP-surface bl, died in 3 min  
60-ISIP-no bl  
10-FFP-no bl  
pulled tool



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1588.75	91.11	Initial Hydro-static
2	17.11	90.60	Open To Flow (1)
8	17.26	91.20	Shut-In(1)
70	52.05	91.95	End Shut-In(1)
70	18.75	91.95	Open To Flow (2)
82	18.98	92.18	Shut-In(2)
85	1541.42	94.24	Final Hydro-static

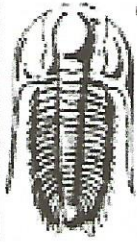
## Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

## Gas Rates

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





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Staab Oil Co  
 1607 Hopewell Rd  
 Hays Ks 67601-9443  
 ATTN: Frank & Janel Staab

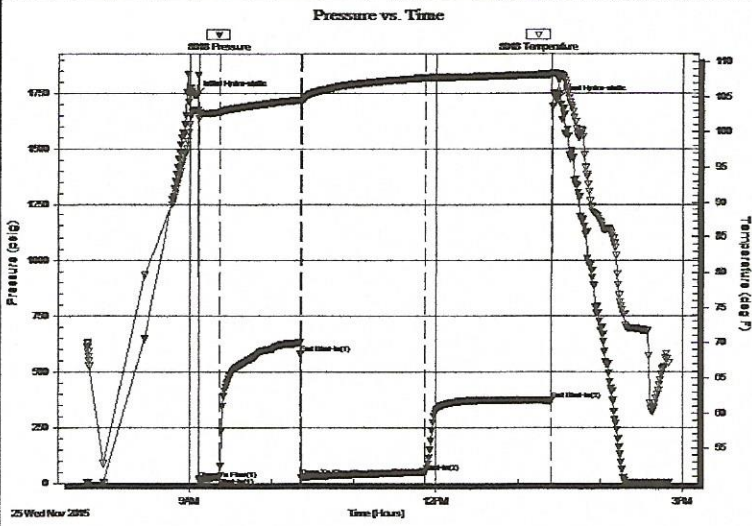
**32-12s-17w Ellis**  
**Rome Wilfric #1**  
 Job Ticket: 64907      **DST#: 3**  
 Test Start: 2015.11.25 @ 07:45:11

## GENERAL INFORMATION:

Formation: **Abuckle**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 09:06:51  
 Time Test Ended: 14:49:50  
 Interval: **3597.00 ft (KB) To 3612.00 ft (KB) (TVD)**  
 Total Depth: 3680.00 ft (KB) (TVD)  
 Hole Diameter: 7.85 inches      Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Ray Schwager  
 Unit No: 70  
 Reference Elevations: 2054.00 ft (KB)  
 2049.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8018      Inside**  
 Press@RunDepth: 50.83 psig @ 3603.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.11.25      End Date: 2015.11.25      Last Calib.: 2015.11.25  
 Start Time: 07:45:11      End Time: 14:49:50      Time On Btm: 2015.11.25 @ 09:04:36  
 Time Off Btm: 2015.11.25 @ 13:27:35

**TEST COMMENT:** 15-IFP-w k bl thru-out 1/4"to 1"bl  
 60-ISIP-no bl  
 90-FFP-no bl 1st 5min. then surface bl thru-out  
 90-FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1741.62	103.12	Initial Hydro-static
3	16.32	101.93	Open To Flow (1)
17	26.27	102.81	Shut-In(1)
77	582.28	104.51	End Shut-In(1)
77	26.89	104.32	Open To Flow (2)
168	50.83	107.66	Shut-In(2)
260	370.13	108.21	End Shut-In(2)
263	1717.14	108.30	Final Hydro-static

## Recovery

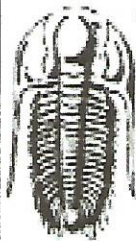
Length (ft)	Description	Volume (bbl)
75.00	MW 20%M80%W w / show of oil	0.53

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Staab Oil Co  
1607 Hopewell Rd  
Hays Ks 67601-9443  
ATTN: Frank & Janel Staab

**32-12s-17w Ellis**  
**Rome Wilfric #1**  
Job Ticket: 64906 **DST#: 2**  
Test Start: 2015.11.24 @ 00:25:35

## GENERAL INFORMATION:

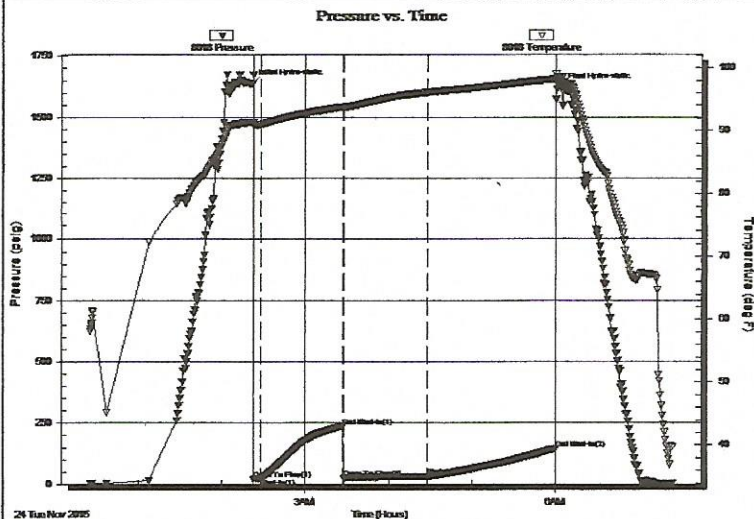
Formation: **LKC D-G**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 02:23:00  
Time Test Ended: 07:23:44  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Ray Schwager  
Unit No: 70  
Interval: **3369.00 ft (KB) To 3441.00 ft (KB) (TVD)**  
Total Depth: 3431.00 ft (KB) (TVD)  
Reference Elevations: 2054.00 ft (KB)  
2049.00 ft (CF)  
Hole Diameter: 7.85 inches Hole Condition: Fair  
KB to GR/CF: 5.00 ft

## Serial #: 8018

Inside

Press@RunDepth: 33.01 psig @ 3375.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2015.11.24 End Date: 2015.11.24 Last Calib.: 2015.11.24  
Start Time: 00:25:35 End Time: 07:23:44 Time On Btm: 2015.11.24 @ 02:21:00  
Time Off Btm: 2015.11.24 @ 06:03:29

TEST COMMENT: 5-IFP-w k bl thru-out 1/2" to 1 1/2" bl  
60-ISIP-no bl  
60-FFP-w k bl thru-out 1" to 2 1/2" bl  
90-FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.00	91.31	Initial Hydro-static
2	19.92	90.80	Open To Flow (1)
8	23.81	91.05	Shut-In(1)
67	237.05	93.81	End Shut-In(1)
67	23.22	93.76	Open To Flow (2)
127	33.01	96.11	Shut-In(2)
219	145.22	98.21	End Shut-In(2)
223	1620.21	98.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	60'GIP	0.00
30.00	SOCM 3%O97%M	0.21

## Gas Rates

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

\* Recovery from multiple tests