



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1220137
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: _____

1220137

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

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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Form	ACO1 - Well Completion
Operator	Staab Oil Co., a General Partnership
Well Name	Gisela Eckhart 1
Doc ID	1220137

All Electric Logs Run

Dual Induction
Compensated Neutron DENSITY
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Staab Oil Co., a General Partnership
Well Name	Gisela Eckhart 1
Doc ID	1220137

Tops

Name	Top	Datum
Anhydrite	1305	612
Base	1341	576
Topeka	2842	-925
Heebner	3050	-1133
Toronto	3072	-1155
Lansing	3091	-1174
BKC	3312	-1395
Arbuckle	3346	-1429
T.D.	3425	-1508

GLOBAL CEMENTING, L.L.C.

1389

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell KS

DATE <u>7-10-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>G15219</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>Reels</u>	STATE <u>KS</u>	<u>1:15 AM</u>
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR Shields Drilling
TYPE OF JOB Surface
HOLE SIZE _____ T.D. 221
CASING SIZE 8 7/8 DEPTH _____
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. _____
PERFS _____
DISPLACEMENT _____

EQUIPMENT
PUMP TRUCK CEMENTER Cody
P1 HELPER Brad
BULK TRUCK _____
P2 DRIVER Payton
BULK TRUCK _____
_____ DRIVER _____

REMARKS:
Run 5 Joints 8 7/8 casing and landing joint
Est casing
Hooked up mixed 15 sacks and disposed 12.5 bbls
shut in at 200 bbls

CHARGE TO: STAA B OIL CO.
STREET _____
CITY _____ STATE _____ ZIP _____

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

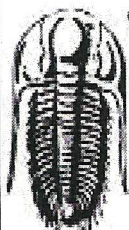
OWNER _____
CEMENT AMOUNT ORDERED 15 sacks com 3% cc 2% gel
COMMON _____ @ _____
POZMIX _____ @ _____
GEL _____ @ _____
CHLORIDE _____ @ _____
ASC _____ @ _____
HANDLING _____ @ _____
MILEAGE _____ @ _____
TOTAL _____

SERVICE
DEPTH OF JOB _____
PUMP TRUCK CHARGE _____
EXTRA FOOTAGE _____ @ _____
MILEAGE 36 x 2 @ _____
MANIFOLD _____ @ _____
TOTAL _____

PLUG & FLOAT EQUIPMENT

TOTAL _____

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Staab Oil Co

15-8s-18w Rooks, KS

1607 Hopewell Rd
Hays KS 67601

Gisela Eckart

ATTN: Randy Killian

Job Ticket: 59392

DST#: 2

Test Start: 2014.07.15 @ 02:20:00

GENERAL INFORMATION:

Formation: **LKC "H-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:40:00

Time Test Ended: 09:44:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3200.00 ft (KB) To 3315.00 ft (KB) (TVD)**

Total Depth: 3315.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1917.00 ft (KB)

1912.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8957

Outside

Press@RunDepth: 57.52 psig @ 3205.00 ft (KB)

Start Date: 2014.07.15

End Date:

2014.07.15

Start Time: 02:20:05

End Time:

09:43:59

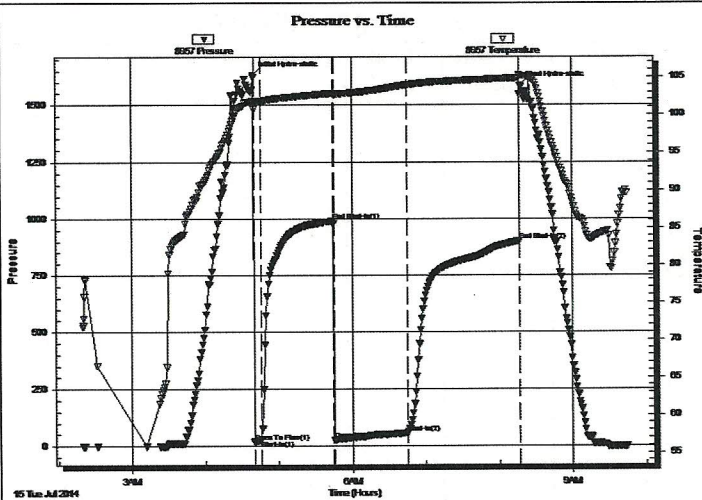
Capacity: 8000.00 psig

Last Calib.: 2014.07.15

Time On Btm: 2014.07.15 @ 04:39:15

Time Off Btm: 2014.07.15 @ 08:17:30

TEST COMMENT: IF-1" blow
IS-No blow
FF-5 1/2" blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.58	101.77	Initial Hydro-static
1	18.85	100.70	Open To Flow (1)
7	25.64	101.73	Shut-In(1)
66	990.36	102.80	End Shut-In(1)
66	24.99	102.58	Open To Flow (2)
126	57.52	103.93	Shut-In(2)
217	902.03	104.84	End Shut-In(2)
219	1586.16	105.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOCM 10%O 90%	0.42
15.00	OCM 40%O 60%M	0.11
5.00	Free Oil	0.04

* Recovery from multiple tests

Gas Rates

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

Randall Kilian Corporation

Geologist



**Certified Petroleum
Geologist #3351
License #224**

3951 Eveningglow Way
Castle Rock, CO 80104

Phone: 720-733-0420

Cell: 785-635-1349

E-mail: rkgeo53@hotmail.com

GEOLOGIST'S WELL REPORT

COMPANY STAAB OIL CO. (6037)

WELL Gisela #1

FIELD US 183 West (Wildcat per seismic)

LOCATION (legal) NE SW SW NW

(footages) 2240' FNL & 365' FWL

Section 15 TWP 8S RGE 18W

(Map) 4 $\frac{1}{2}$ mi S & 1 $\frac{1}{2}$ mi W of Stockton, Ks.

COUNTY Rooks STATE Kansas

ELEVATION: 1917' K.B., 1912' G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-163-24229

GEOLOGY BY Randall Kilian
Janel Staab

PERTINENT WELL DATA

CONTRACTOR Shields Drilling Co. (5184)

RIG #2 HYDRAULICS Beth 225 6x14x60

DRILL PIPE 4½" X-H COLLARS 6¼" 311'

CASING: SURFACE 8 5/8" @ 218' w/ 50 sx Common

PRODUCTION 5 ½" @ 3423' w/ 150 sx Common

DRILLING FLUID. COMPANY Mud-Co/Service Mud, Inc.
DV in Anh. w/ 350 sx
(Gary Schmidtberger)

TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY Trilobite Testing Inc.
(Brett Dickinson)

NUMBER OF TESTS Three (3)

ELECTIC LOGS: COMPANY Pioneer Energy Services

DETAIL (5") 2750' - RTD

TYPE DI, Comp N-D, Micro, Sonic

DRILLING TIME FROM 2800' TO RTD

SAMPLE TIME FROM 2800' TO RTD

SUPERVISION FROM 2800' TO RTD

VERTICAL DEVIATION ½° @ 221', ½° @ 3140',

PLUGGING REPORT 30 sx Rat, 15 sx Mouse

RESERVE PIT 750 bbls., Chl. 37000

DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	Tor-C 3045- 3140'	24# 44# 15"	- 60"	52# 124# 60"	812# 90"	1499# 1478#	210' O,C,M, 21%
2	LKc H-I, 3200- 3315'	19# 26# 5"	990# 60"	25# 58# 60"	902# 90"	1633# 1586#	5' Oil 15' H,O,C,Mud 60' SL,O,C,Mud
3	Arb. 3374- 3384'	17# 34# 5"	1080# 60"	40# 126# 60"	984# 90"	1746# 1631#	370' C,M,Oil 2
4							
5							
6							
7							
8							

MUD RECORD						
CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	2736'					
2	2780'	8.7	90			
3	2840'	8.7	68			
4	2989'	8.8	58	7.8	2k	24
5	3120'	9.1	52			
6	3140'	9.0	43	8.0	2k	17
7	3200'	9.1	57			
8	3315'	9.3	59	8.0	3.5k	27
9	3370'	9.5	51			
10						
11						

Displaced
LCM 3#
LCM 2#
LCM 2#
LCM 2#
LCM 1#
LCM 1# \$7019

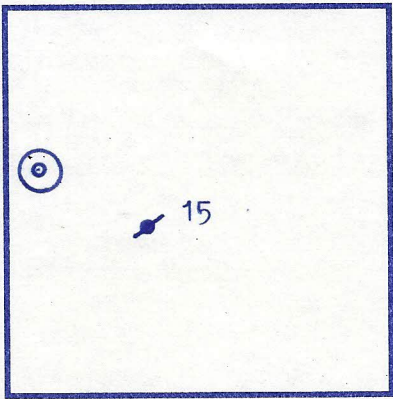
BIT RECORD						
NO	SIZE	MAKE	TYPE	DEPTHOUT	FEET	HOURS
1	12 1/4"	Reed	RR	221'	221'	5
2	7 7/8"	Reed	S-52	3140'	2919'	63 3/4
3	7 7/8"	Reed	S-52	3425'	285'	17 3/4
4						
5						
6						

FORMATION TOPS & STRUCTURAL GEOL

R 18 W

REFERRED TO:

- A: FRONTIER OIL CO.
#1 Hrabe SE SE NE 16
- B: _____
- C: _____
- D: _____
- E: _____



STRATIGRAPHIC	SUBJECT WELL			STRUCTURAL POSI			
	MARKERS	SAMPLES	E. LOGS	DATUM	A	B	C

Anhydrite	1306'	1305'	+ 612	+ 604				
Base	1342'	1341'	+ 576					
Topeka	2842'	2842'	- 925	- 926				
Heeb. Sh.	3048'	3050'	-1133	-1136				
Toronto	3072'	3072'	-1155	-1159				
Lansing	3091'	3091'	-1174	-1180				
BKc.	3311'	3312'	-1395	-1402				
Arbuckle	3347'	3346'	-1429	-1450				
TD	3425'	3425'	-1508	-1459				

Pipe strap 1.41' short.

*Structural position of subject well as compared to refer

SUMMARY

The Gisela #1 well was drilled with Shields Drill tools rig #2 beginning 7-9-14 and drilling was co. 7-16-14.

The drill site was located via a 3-D seismic survey. The well ran high structurally to the dry hole by 1-21'.

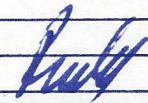
Oil shows were encountered in numerous zones. D were small oil tests which is standard for the

The Arbuckle was encountered 21' high. The top Arbuckle was "tite" Arbuckle dolomite with no. Then 27' in, below a shale bench, oil shows were encountered. After logging, a 10' interval from was tested with DST #3 with positive results.

This is a significant discovery for this area, an oil pay 27-40' into the Arbuckle.

Recommended perfs: Arb. 3373-78', several zone LKc and Toronto which calculate pr

Respectfully,



Randall Kilian

TION

E

ed well.

ing Co.
mpleted

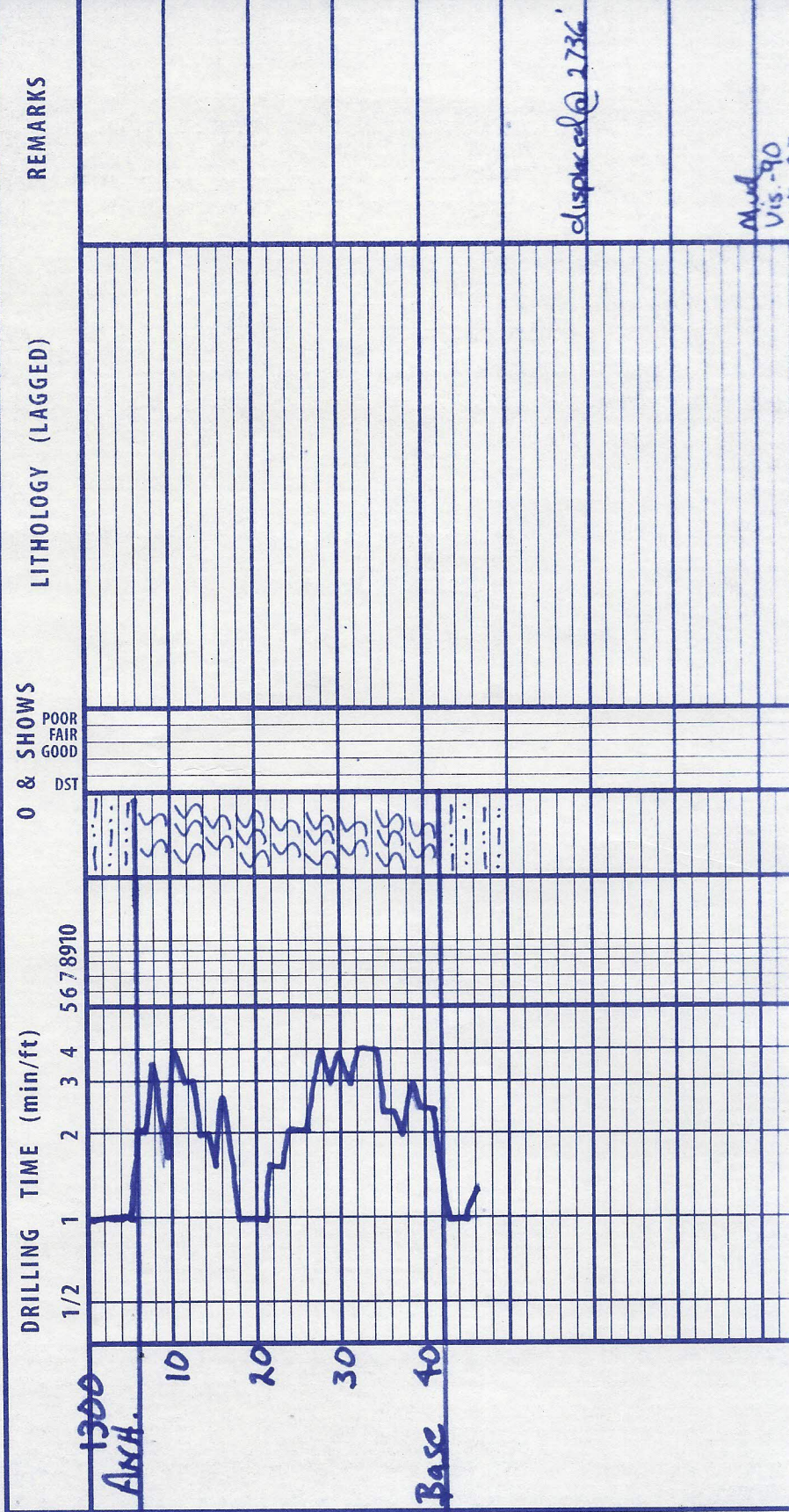
ey.
rest

ST #1 & #2
area.

27' of
oil shows.
ere
m 3374--84'

finding

s in the
productive



wt. of
L.C.M. - 3#

Mud
U.S. - 68
wt. - 8.7

sh. sst. t. gry. brn

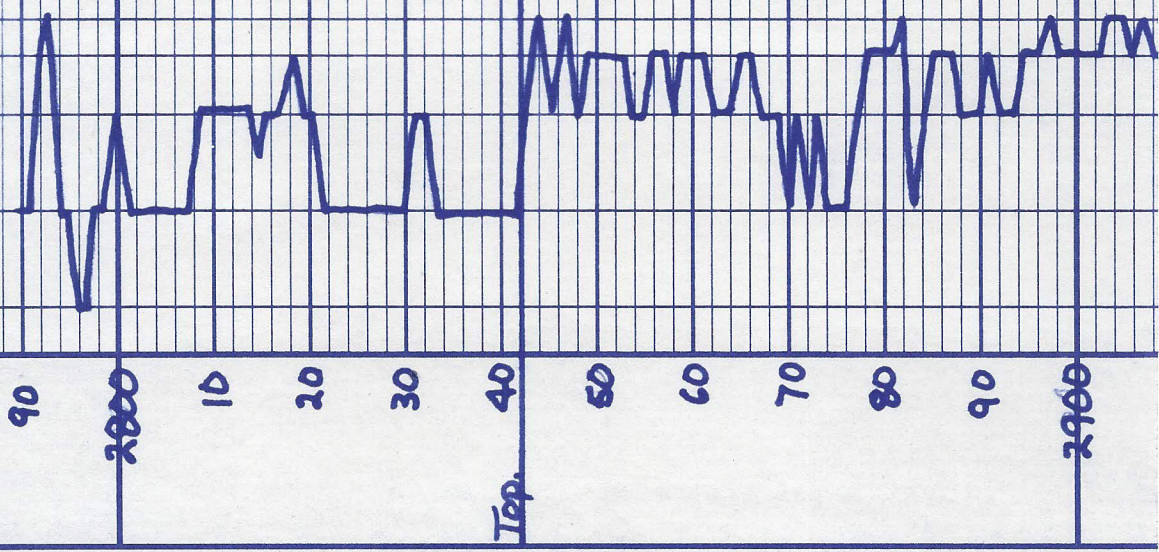
ls. tan. hgy. gry. fn. xln. fossil
sl. chalky.

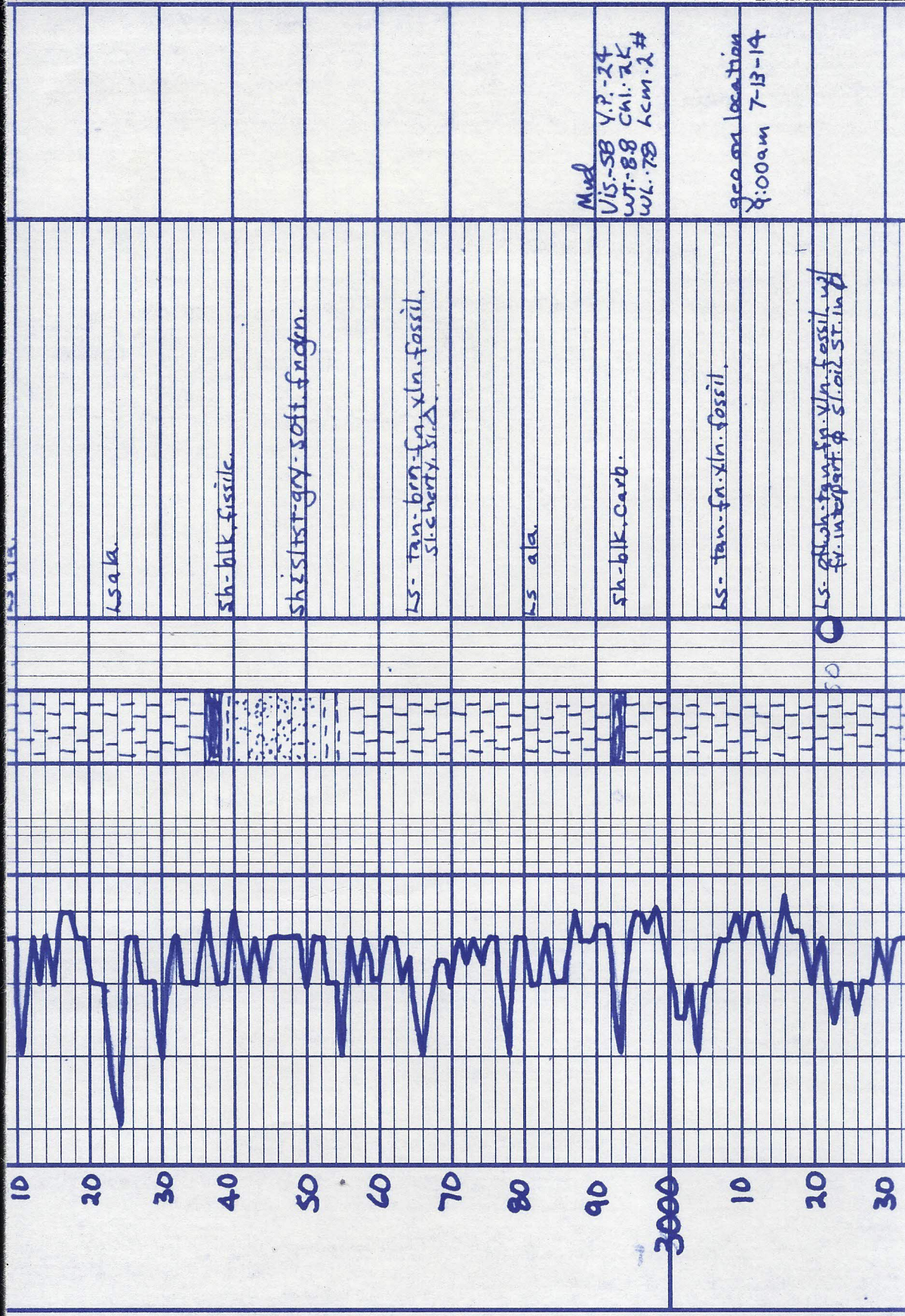
ls. a/a.

ls. sl. dolo. tan. fn. xln. barren.

sh. dark gry.

ls. tan - gry - fn. xln. fossil.
sl. chalky.





Mud
 V.P. - 24
 WT. - 88
 WK. - 78
 LCM - 2 #

geo. loc. 7-13-14

Lsaka.

sh-blk. fissile.

sh sltgy. soft. fragm.

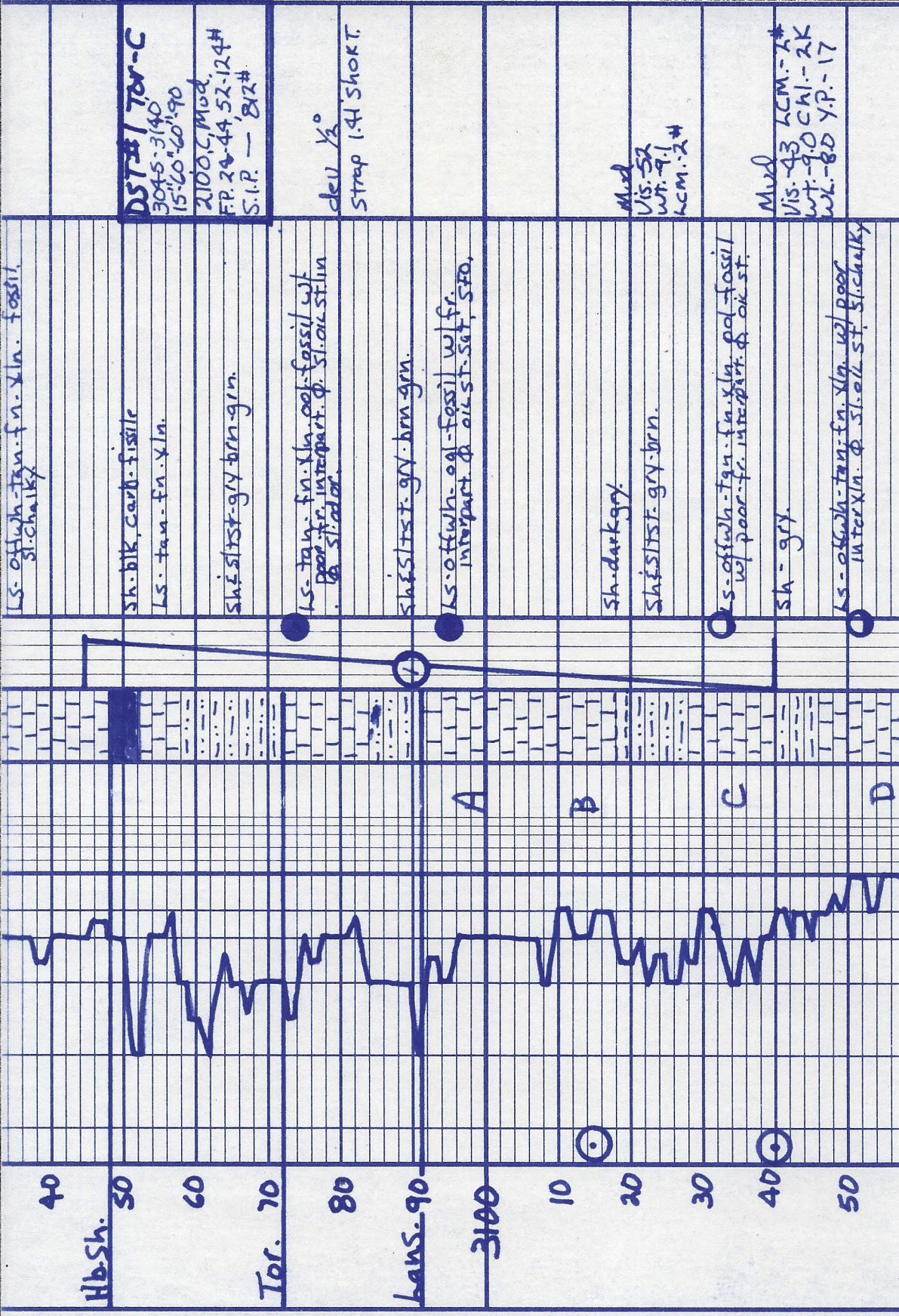
Ls - tan-brn-fn. xln. fossil.
 sl. cherty. Si. Δ.

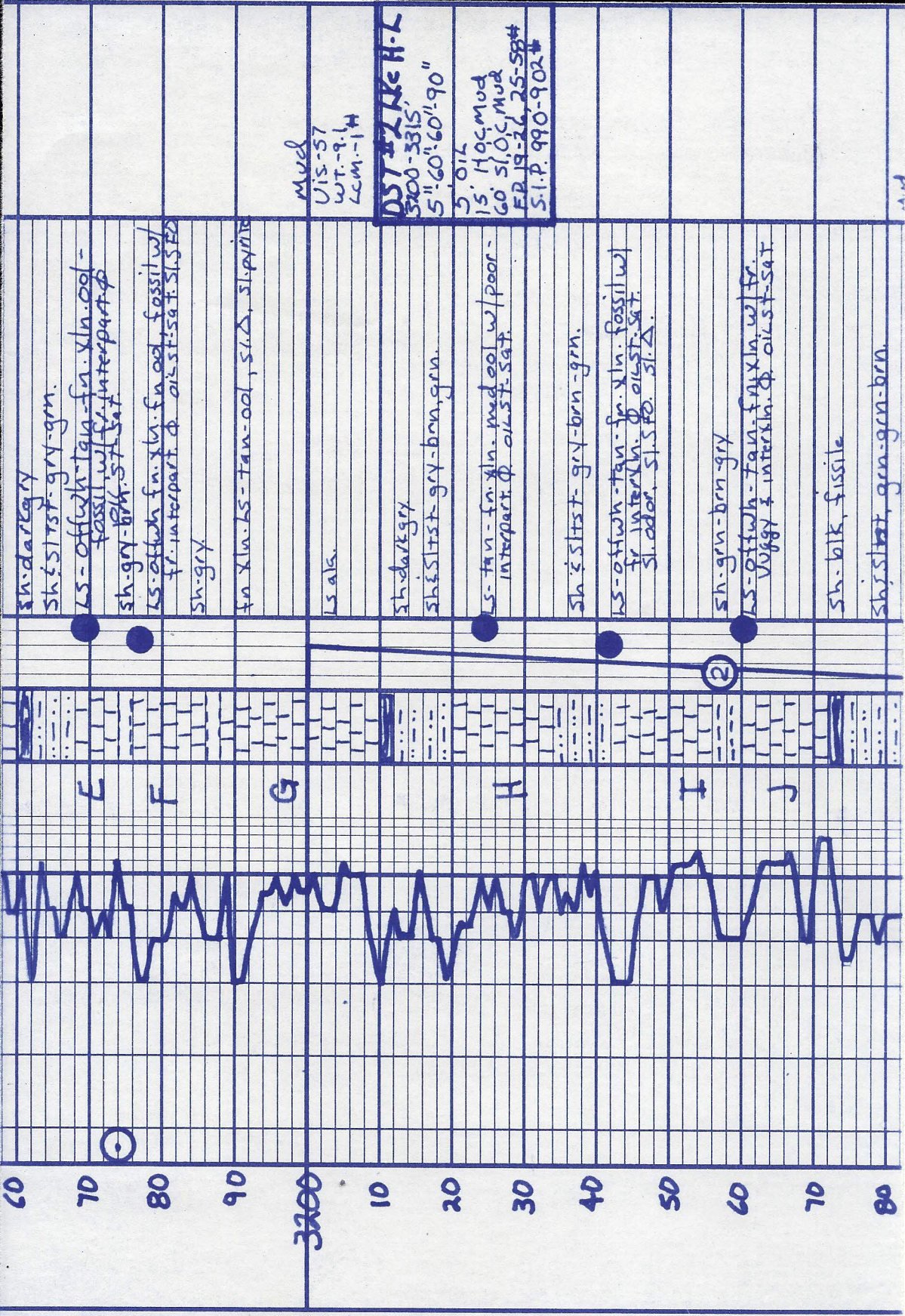
Ls ala.

sh-blk. Carb.

Ls - tan-fn. xln. fossil.

Ls - sh. tan-fn. xln. fossil. w/
 fr. interpart. & sl. oil ST. in P





Mud
 U.S. - 57
 WT. - 9.1
 LCM. - 14

DST # 2, H.C. H.L.
 3200-3315
 5" 60" 60" 90"
 5 OIL
 15' Hoc. Mud
 60' S.O.C. Mud
 FB 19-26, 25-58#
 S.I.P. 990-902#

and

US: 53
WT: 9.3

LS - off wh - fn. xln. w/ poor fr.
PP V. 99 x 1/2 in. x 1/2 in. of 0.14 - st.
sat. sl. cherty sl. Δ

sh. blk. carb

LS - tan - gry. - fn. xln. med.ool.
w/ fr. interpart. & ool. st. sat.

sh. & st. st. gry - brn - grn.

SS - grtz pyrite, med grn. w/ ill
worked.

LS - tan - brn - gry - fn. xln. fossilif.
Δ

sh & st st. gry - brn - grn. red.

LS - sl. dolo - brn - gry - fn. xln.

Dolo - gry - vfn xln. 'tife'
barren.

Dolo - gry - fn. xln. 'tife', barren.

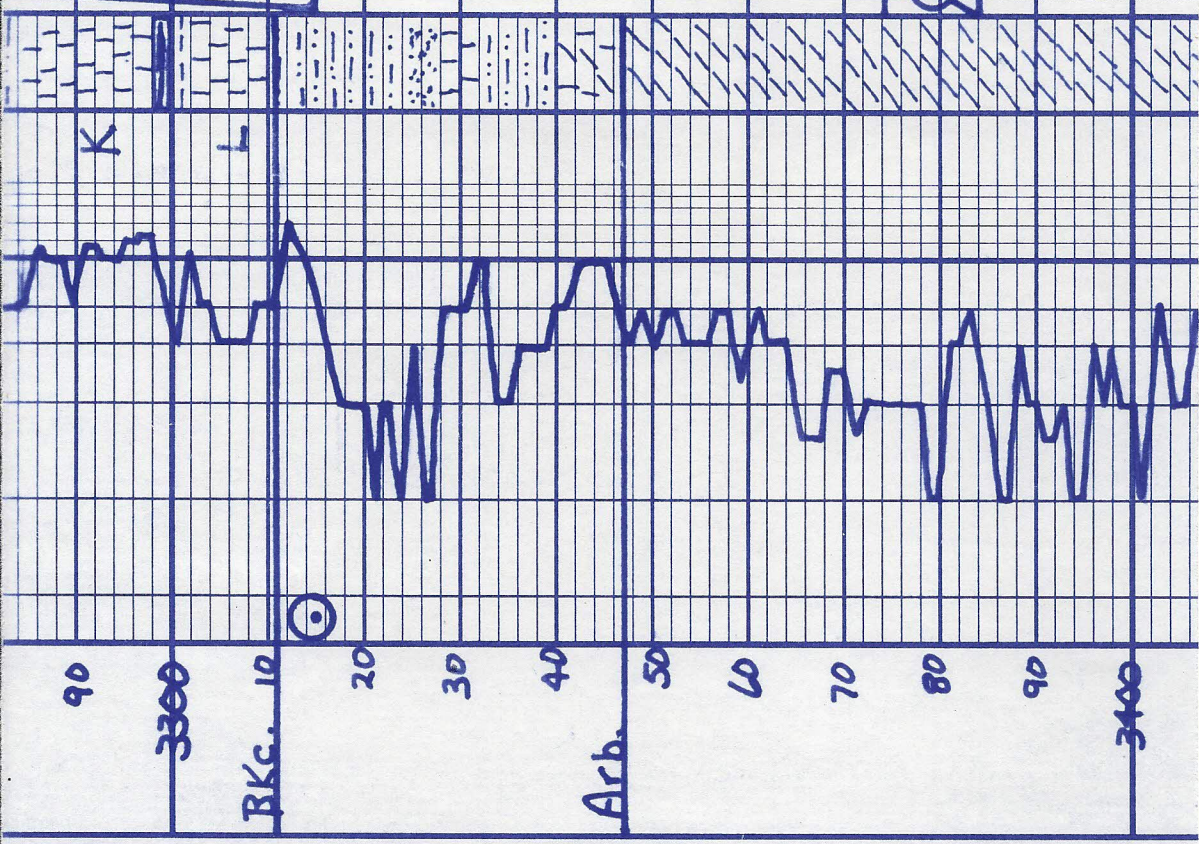
Dolo - gry - tan - fn. xln. sl. v. grey
ool. st. in B sl. seo.
sl. odor.

Dolo a.l.g.

Mud
US: 59 Y.P. - 27
WT: 9.3 ch. 35k
WL: 8.0 LCM. 14

Mud
US: 51
WT: 9.5

DST #3 Arb.
3374-84
5" 60" 60" 90"
370 MG Oil 28"
F.P. 17-34 40-126"
SIP 1080-984#



100%
Knox St. ok 5-11-14

Date - offsite - tan - mid course
Kno. St. Δ, mostly barren

///
///
///
///
///



T.D. 5:00 PM 7-15-14

T.D.

10
20

