



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Confidentiality Requested:

Yes  No

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: \_\_\_\_\_



1248626

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:  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

<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	Hagen 1
Doc ID	1248626

Tops

Name	Top	Datum
Anhydrite	1569	652
Base	1617	604
Topeka	3259	-1038
Heebner	3490	-1269
Toronto	3515	-1294
Lansing	3534	-1313
BKC	3776	-1555
Arbuckle	3852	-1631
T.D.	3930	-1707

**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 Hagen #1  
FIELD Wildcat  
LOCATION (legal) NE, SE, SW, SE (460 FSL, 1370 FEL)  
Section 18 TWP 12 RGE 19  
(Map) Yocemento I-70 - North 6 mile West  
COUNTY Ellis STATE Kansas <sup>2 miles</sup>  
ELEVATION: 2221 K.B., 2216 G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-051-26771-00-00

GEOLOGY BY Janel Staab



# PERTINENT WELL DATA

CONTRACTOR Shields Oil Producers (5184)

RIG # 2 HYDRAULICS Beth 225 6X14X55

DRILL PIPE 4 1/2 X-11 COLLARS 6 1/2 311

CASING: SURFACE 8 5/8" @ 219' w/ 150 SC Comm

PRODUCTION 5 1/2 @ 3930' w/ 150 SC common

DRILLING FLUID: COMPANY Mud-Co / Service Mud, Inc

TYPE: Chemical Gary Schmidtberger

REMARKS: Full Service

DRILL STEM TESTS: COMPANY Trilobite Testing Inc

NUMBER OF TESTS 3 Brannon Lonsdale

ELECTIC LOGS: COMPANY Pioneer

DETAIL (5") 3200 - RTD

TYPE DI, Comp N-D, Micro

DRILLING TIME FROM 3000' TO 3930' RTD

SAMPLE TIME FROM 3020' TO 3930' RTD

SUPERVISION FROM 3020' TO 3930' RTD

VERTICAL DEVIATION \_\_\_\_\_

PLUGGING REPORT \_\_\_\_\_

RESERVE PIT \_\_\_\_\_







# DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	LKCC-D 3564- 3609	29# 29# 5'	1024# 60'	33# 33# 30'	924# 30'	1783# 1756#	10' mud
2	3852- 3874 Arb	24# 30# 5'	1217# 60'	33# 68# 60'	1195# 90'	2028# 1990#	90' feet wn
3	3716- 3750 zone K	30# 23# 5'	1296# 60'	33# 22# 30'	994# 30'	1981# 1777#	5' Mufew Spot
4							
5							
6							
7							
8							

## MUD RECORD

CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	219					
2	1271	8.8	27	NC	6700	-
3	2226	9.5	28	NC	31000	-
4	2966	8.6	65+	6.0	4500	34
5	3527	9.1	57	6.4	2900	30
6	3609	9.2	52	6.8	3000	27
7	3840	9.2	59	6.4	3000	17
8	3930	9.3	58	7.2	3100	36
9						
10						
11						

LCM -  
LCM -  
LCM 3  
LCM 2  
LCM 2  
LCM 6  
LCM 6

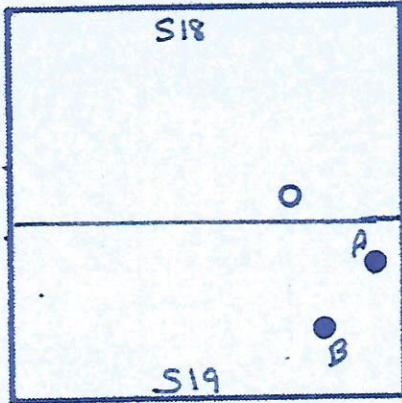
## BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH	FEET	HOURS
1	1 1/4	Millbrook	Reed	219	219	4 1/2
2	7/8	S.52	Reed	2930		98 3/4
3						
4						



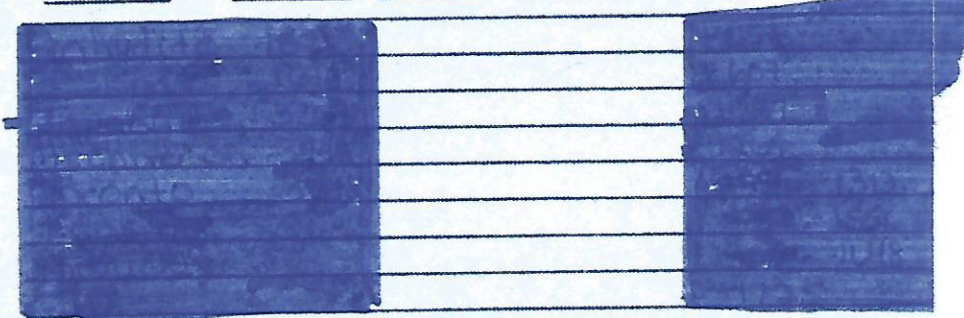
# FORMATION TOPS & STRUCTURAL GEO

REFERRED TO:



- A: Vonfeldt #1
- B: Vonfeldt #2
- C: \_\_\_\_\_
- D: \_\_\_\_\_
- E: \_\_\_\_\_

STRATIGRAPHIC MARKERS	SUBJECT WELL		STRUCTURAL POSITION	
	SAMPLE	E. LOG	DATUM	A   •   •   B



A.

Anhydrite	1571	1569	+ 652	+ 651
Base	1619	1617	+ 604	+ 607
Topeka	3263	3259	- 1038	- 1039
Heebner	3495	3490	- 1269	- 1269
Toronto	3518	3515	- 1294	- 1296
Lansing	3535	3534	- 1313	- 1313
BKC	3779	3776	- 1555	- 1556
Arbuckle	3855	3852	- 1631	- 1648
TD	3830	3928	- 1707	- 1725

pipe strap 2' short

\*Structural position of subject well as compared to refer



The Hagen #1 was drilled using Shield  
 The well ran structurally high to Vanfo  
 3 DST's were run, all with negative res  
 Even though the Arbuckle came in stru  
 high, sample shows were poor. Logs  
 run

Based upon all data, the well was

*Good Seal*



B

- (65)
- 606
- 1034
- 1264
- 1287
- 1308
- 1548
- 1628
- 1715

red well.



s #2  
d #1  
ults  
cturally  
ore

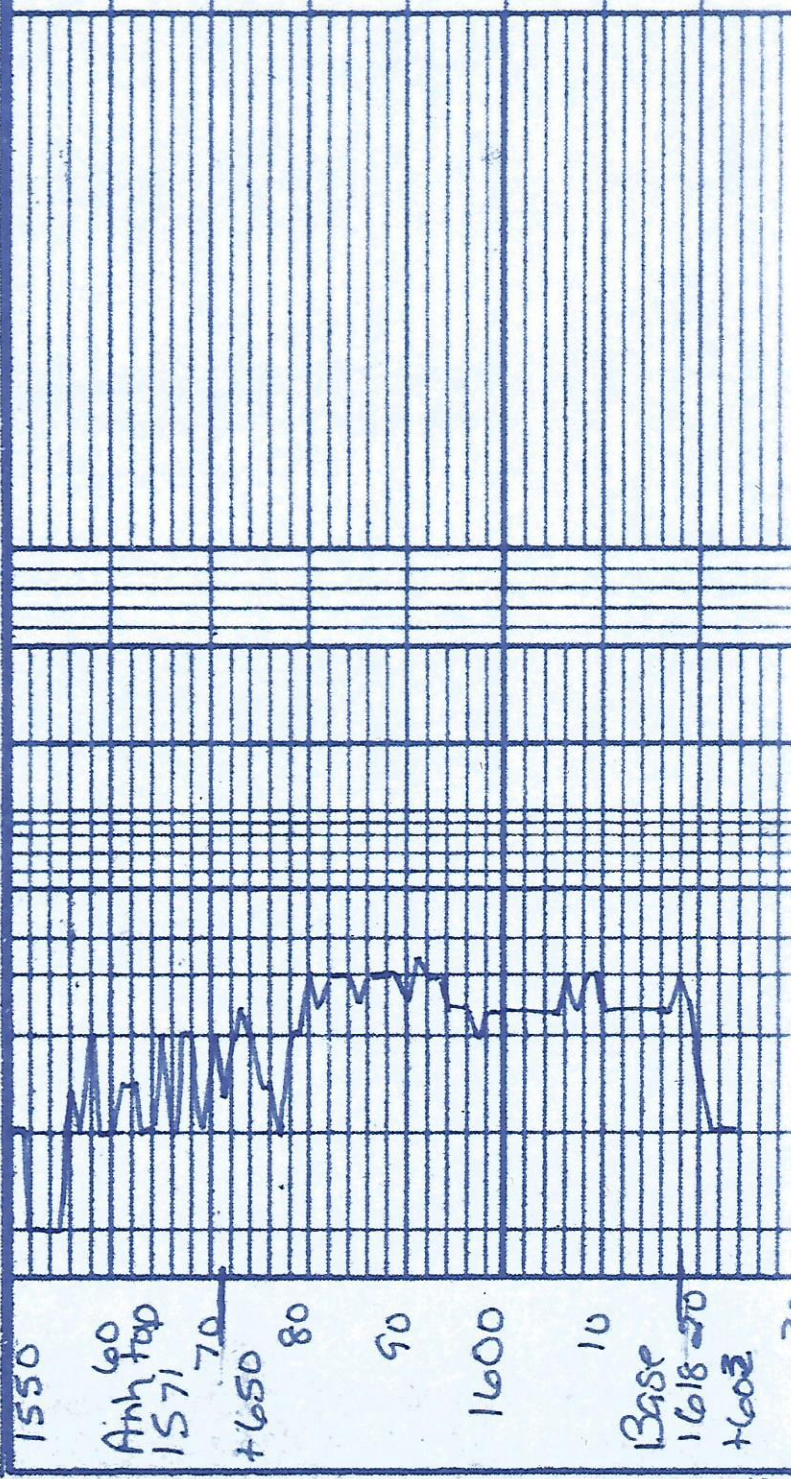
P+A

REMARKS

LITHOLOGY (LAGGED)

φ & SHOWS  
POOR  
FAIR  
GOOD  
DST

DRILLING TIME (min/ft)  
1/2 1 2 3 4 5678910



MS: A



Geo on location  
@ 1:00 p.m

Tankio - no oil show  
then out

3000

10

20

30

40

50

60

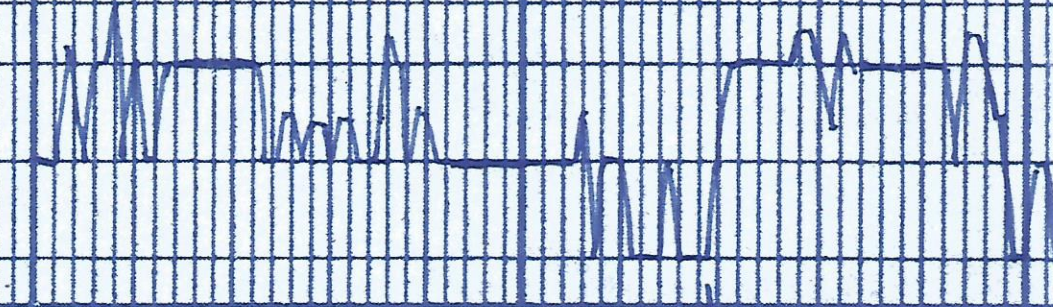
Tankio

306970

80

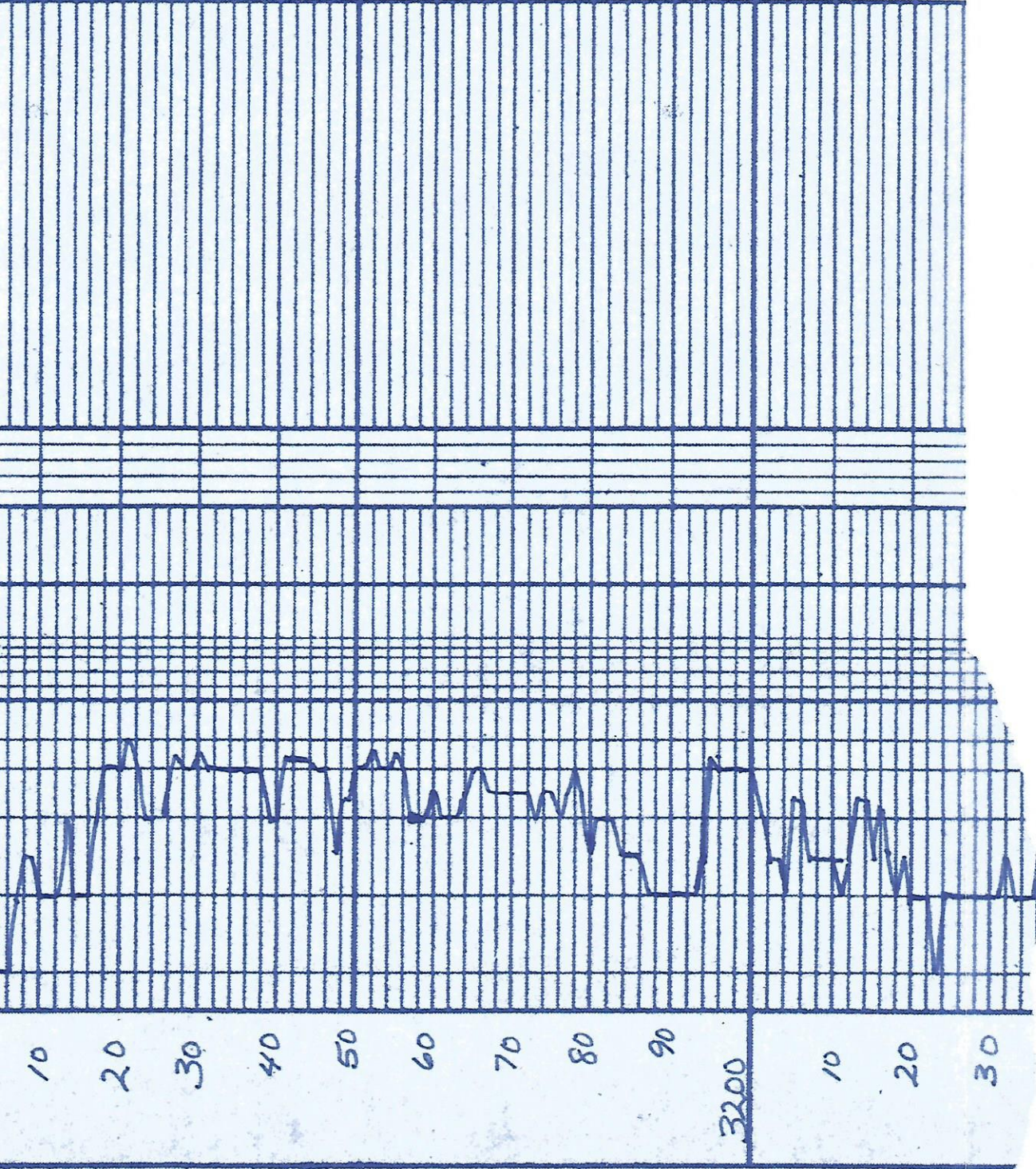
90

3100



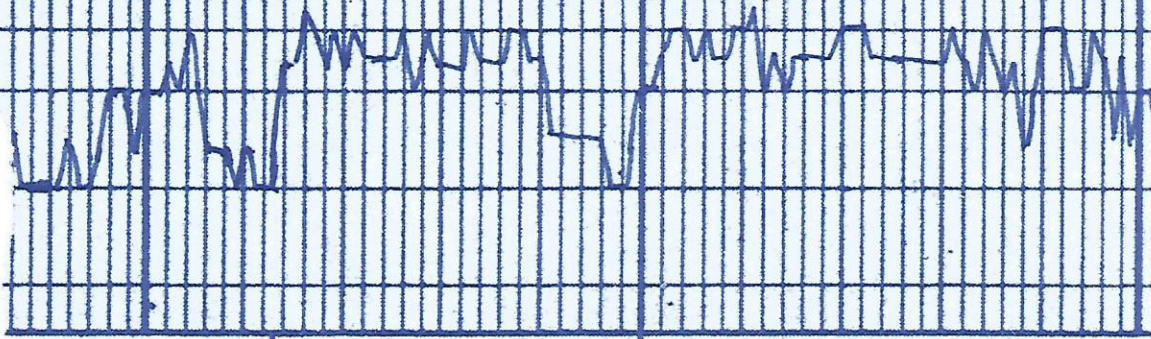


Mud  
Vis 65  
wt 8.6





40  
50  
Topek  
60  
3263  
-1042  
70  
80  
90  
3300  
10  
20  
30  
40  
50



Sh + sista - grey. brn. gran  
LS top. grey foxlin chity

Sh - grey  
LS off wh. brn. grey foxlin

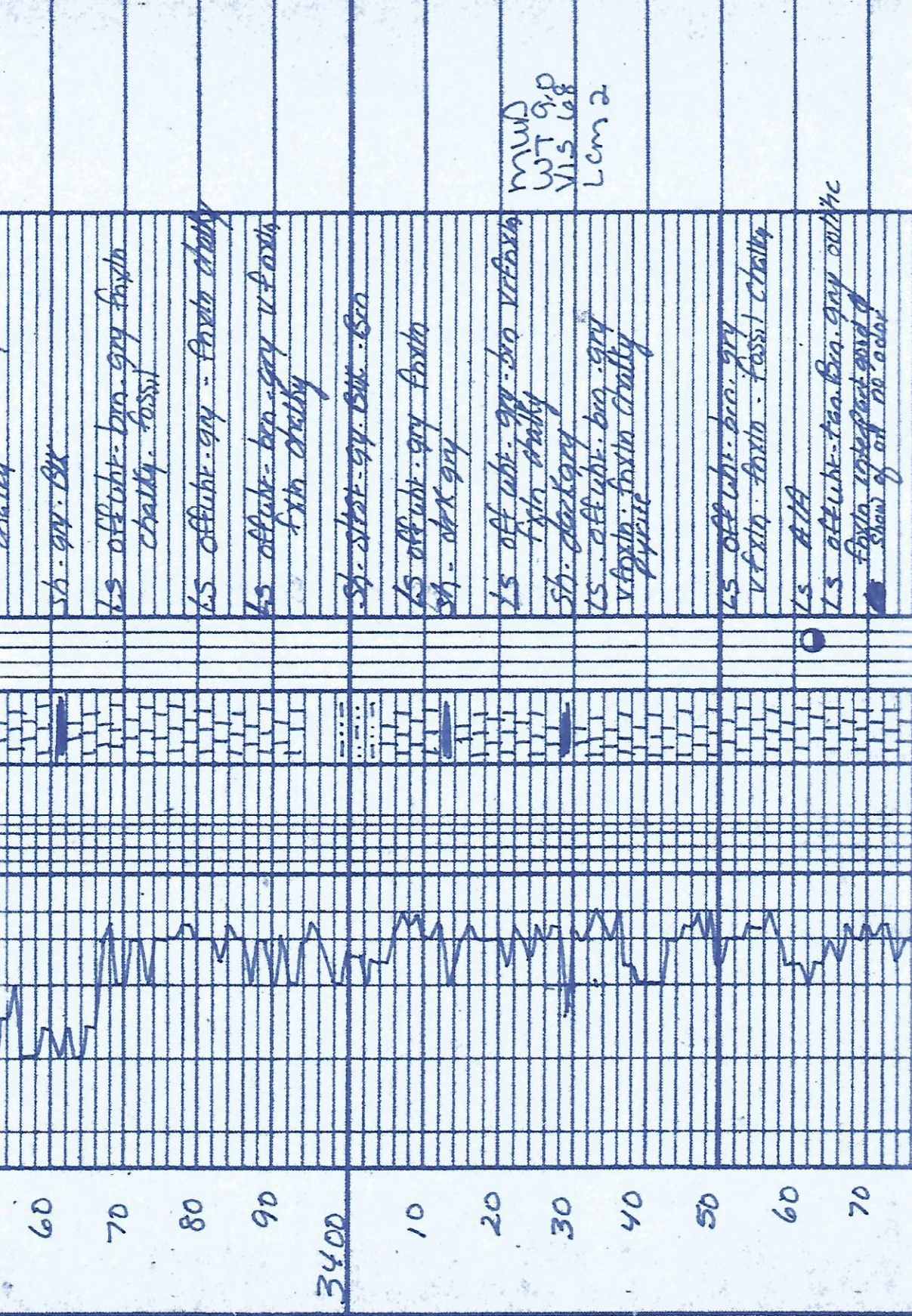
LS off wh. brn. grey V foxlin. foxlin  
Sh + sista - grey brn. given red  
LS off wh. brn. grey V foxlin. foxlin

ATA

Sh - grey

Mud  
wt. 8.8.  
vis 69  
LCM 2H





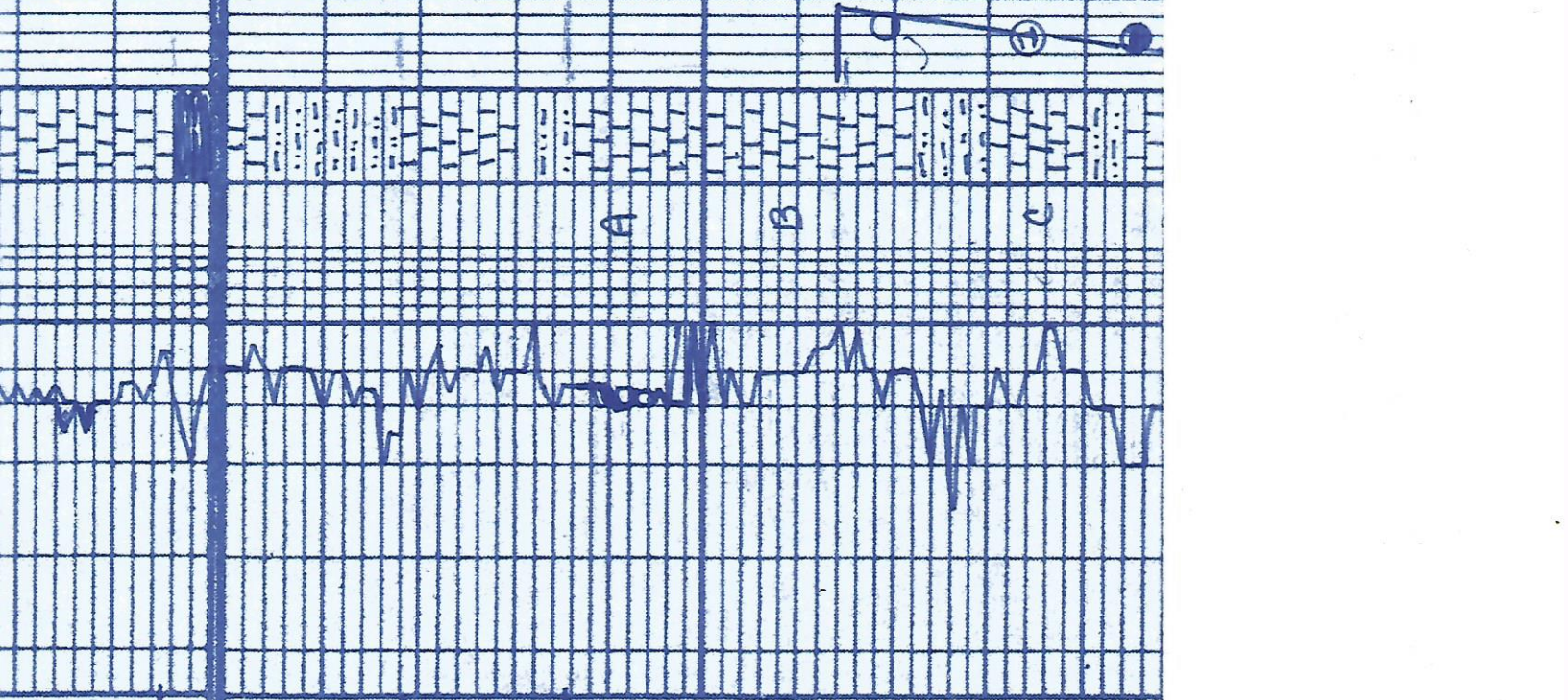
mm  
WT 9.0  
VLS 68  
Lcm 2

ls. attube - tan. brn. gray calcic  
fossil  
show of oil no. 2001



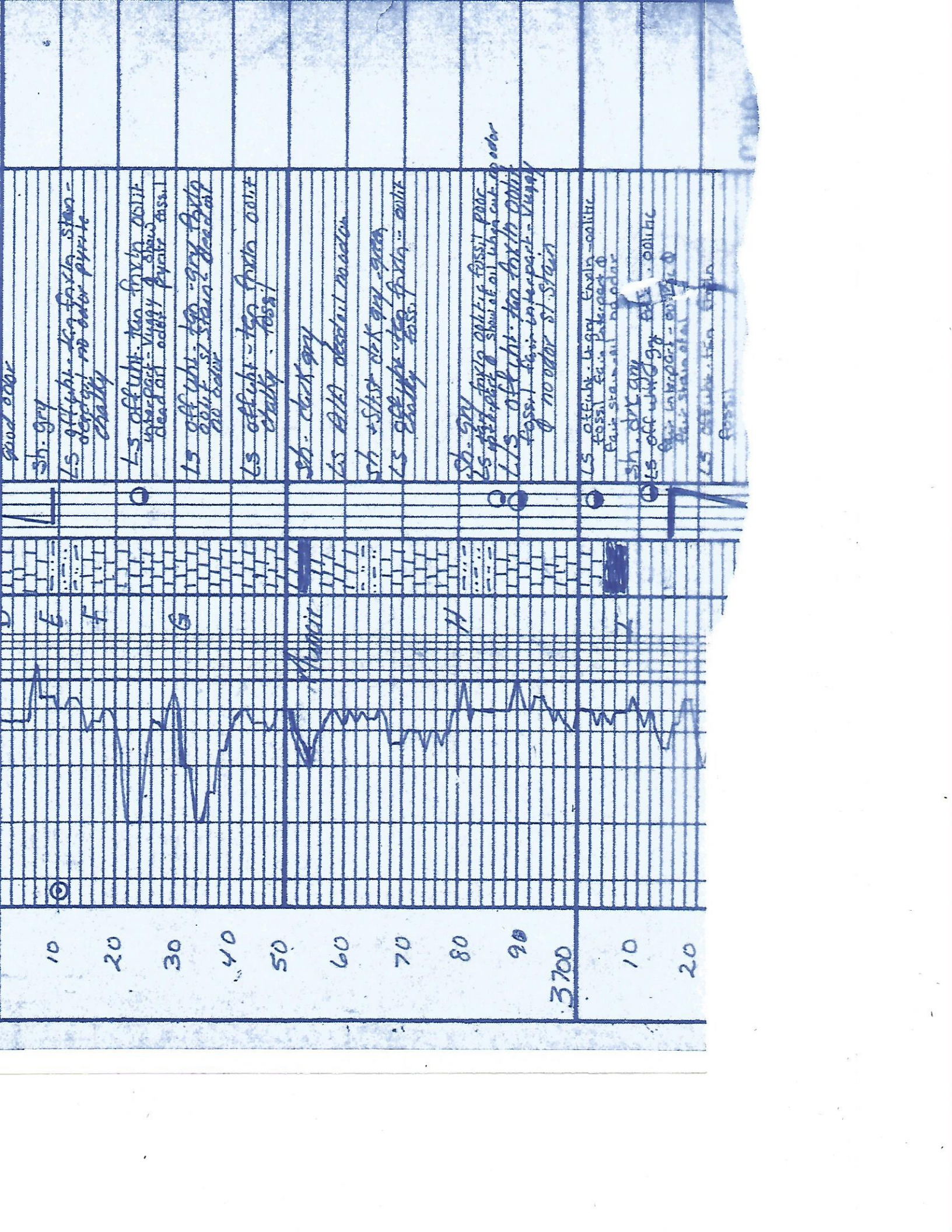
WT 90  
 VIS 65  
 LCM 2.4  
 DST #1 Lams  
 3564' - 3609' C-0  
 S: 60.30.30  
 Rec 10' M  
 FP: 29.29, 33.33  
 SEP 1024.924  
 MUD  
 WT 9.0  
 VIS 65  
 LCM 2

LS off-white - om. gray  
 calcic forin fossil  
 LS off-white - br. gray forin fossil  
 sh. blk carb fossil  
 LS tan forin  
 sh. blk carb fossil  
 LS off-white - tan forin fossil  
 cherty  
 LS off-white - tan forin fossil  
 cherty  
 LS off-white - tan forin fossil  
 cherty  
 LS off-white - tan forin fossil  
 cherty  
 LS off-white - tan forin fossil  
 cherty  
 LS off-white - tan forin fossil  
 cherty  
 LS off-white - tan forin fossil  
 cherty

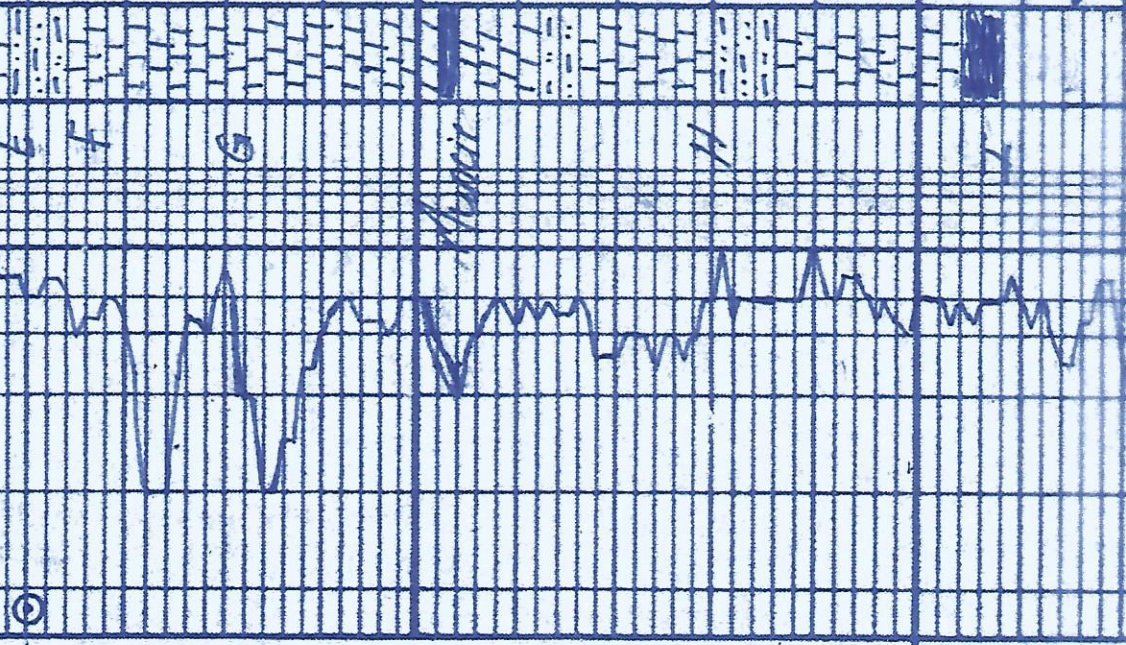


80  
 Heebner 90  
 3495  
 -1214  
 3500  
 10  
 Toronto 3518  
 -1297 20  
 30  
 Lansing 3535  
 -7314 40  
 50  
 60  
 70  
 80  
 90  
 200





10  
20  
30  
40  
50  
60  
70  
80  
90  
3700  
10  
20



good odor  
Sh. gray  
LS offlight - tan fossiliferous stain - despart - no odor - pyrite cherty  
LS offlight - tan fossiliferous stain - despart - Vuggy & cherty fossil mss. l  
LS off wh. - top - gray fossiliferous stain - despart - no odor  
LS offlight - top fossiliferous stain - cherty - fossil  
Sh. dark gray  
LS AKA despart. no odor  
Sh. + Sst. dark gray - green  
LS offlight - top fossiliferous stain - no odor  
Sh. gray  
LS offlight - top fossiliferous stain - despart & show of oil when cut - no odor  
LS off wh. - top fossiliferous stain - despart - Vuggy & no odor or stain  
LS offlight - top fossiliferous stain - despart & show of oil when cut - no odor  
LS off wh. - top fossiliferous stain - despart - Vuggy & no odor or stain  
LS offlight - top fossiliferous stain - despart & show of oil when cut - no odor  
LS off wh. - top fossiliferous stain - despart - Vuggy & no odor or stain



30

40

50

60

70

90

3800

10

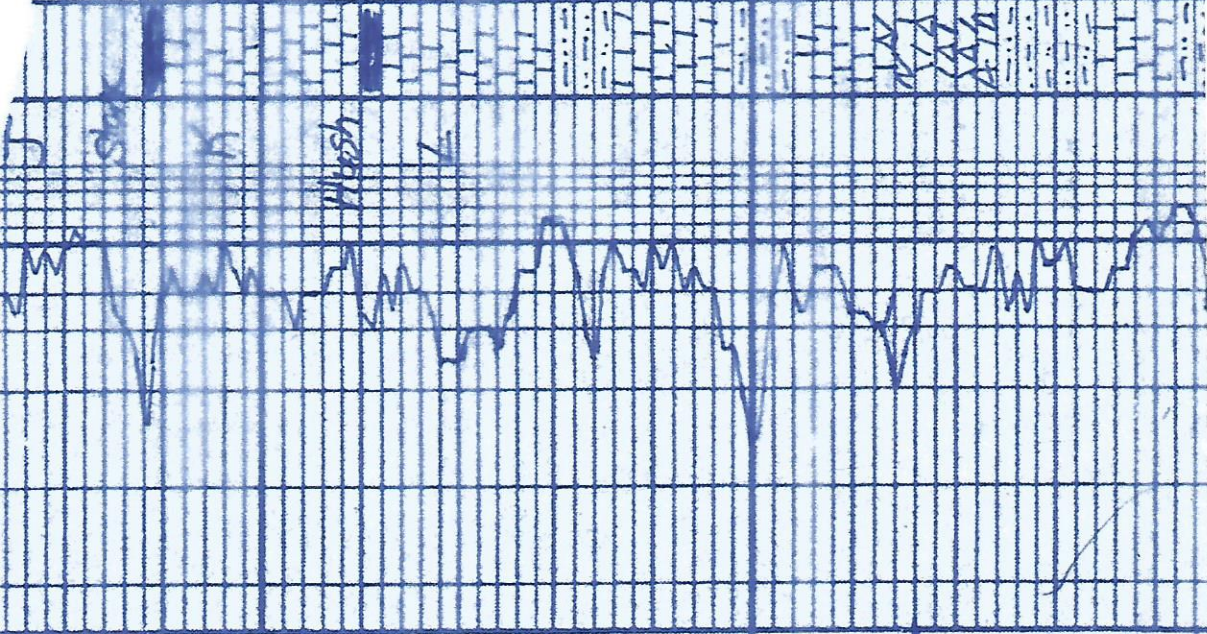
Marm

3816 20

30

40

BKC  
3779  
-1558 80



to off wht - tan. fine. oilst  
good water - oilst. oilst. good oil  
fine. sh. of oil  
oilst

to off wht - tan. fine. oilst  
to off wht - tan. fine. oilst  
to off wht - tan. fine. oilst  
good water - oilst. oilst. good oil  
fine. sh. of oil  
oilst

to tan fine  
sh + slst. grey green

to off wht - tan. fine. oilst  
sh + slst. grey green

to off wht - tan. fine. oilst  
sh + slst. grey green  
L.S. tan - grey. fine. oilst  
cherty chert. sl. oilst  
L.S. data. A. x. cherty. very  
moder. sl. sh. oilst

sh. slst. grey green  
L.S. brown. grey. fine. oilst  
L.S. very. fine. oilst  
L.S. good. oilst. part. of. sh. oilst  
sh. green. slst. grey. brown. sand

WT 9.3  
VIS 57  
Lcm 4

DST #3  
314 - 3750. K  
560. 30. 20  
3800. mud w  
FP 30. 33 / 23. 22  
SIP 12%. 994

MUD  
WT 9.3  
VIS 57  
Lcm 4

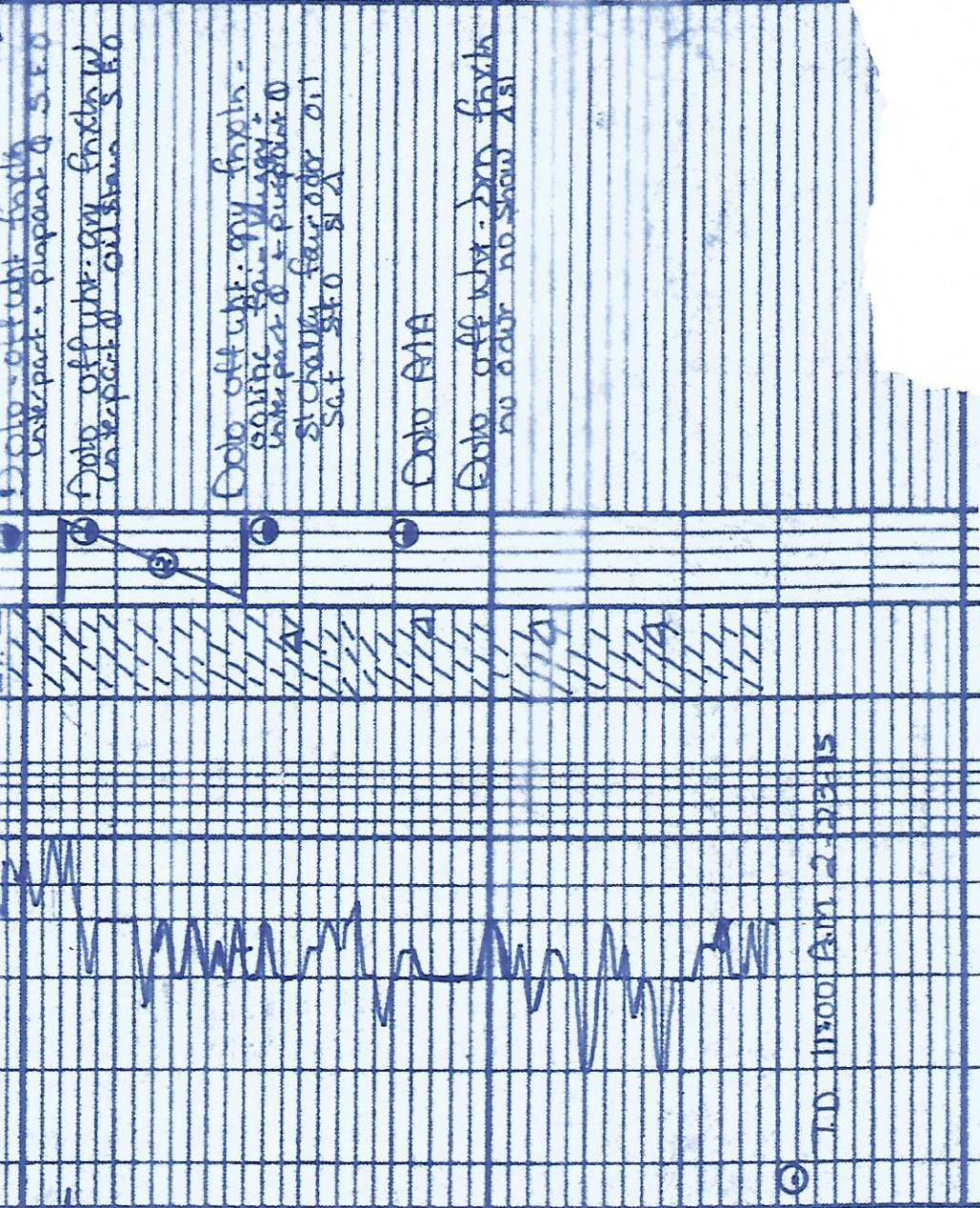
Mud  
Lcm 6

MUD  
WT 9.3  
VIS 57  
Lcm 4



50  
Arbuckle  
3855  
-163460

70  
80  
90  
3900  
10  
20  
30  
T.O  
40  
50



T.D. 11:00 AM 2-22-15

DST #2  
38563874  
5-60-60.90  
REC 90' W M  
EP 24.30 33.68  
SIP 1217-1195

10 Data off wht. - grey. fraxin. -  
under part - purport. Q. S.F.O

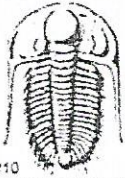
20 Data off wht. - grey. fraxin. W  
under part - Q. oil stain. S.F.O

30 Data off wht. - grey. fraxin. -  
under part - Q. purport. Q  
St. Chaulia. frax. odor. oil  
S.F. S.F.O S.F.A

40 Data AIA

50 Data off wht. - grey. fraxin.  
no odor. no stain. S.F.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61157

Well Name & No. Hagen #1 Test No. 1 Date 2/21/15  
 Company Staab Oil Co. Elevation 2221 KB 2215 GL  
 Address 1607 Hopewell Rd. Hays, KS 67601  
 Co. Rep / Geo. Janel Staab Rig Shields  
 Location: Sec. 18 Twp. 12 S Rge. 19 W Co. Ellis State KS

Interval Tested 3564-3609 Zone Tested LKC "C+D"  
 Anchor Length 45' Drill Pipe Run 3085 Mud Wt. 9.1  
 Top Packer Depth 3559 Drill Collars Run 0 Vis 57  
 Bottom Packer Depth 3564 Wt. Pipe Run 465 WL 6.4  
 Total Depth 3609 Chlorides 2,900 ppm System LCM 2#  
 Blow Description IF - slowly 1/2 in to 1"

ISI - No Flow  
FF - No Flow  
FSI - No Flow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>M</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10' BHT 102° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1783  Test 1050 T-On Location 1803  
 (B) First Initial Flow 29  Jars \_\_\_\_\_ T-Started 1843  
 (C) First Final Flow 29  Safety Joint \_\_\_\_\_ T-Open 2916  
 (D) Initial Shut-In 1024  Circ Sub \_\_\_\_\_ T-Pulled 2321  
 (E) Second Initial Flow 33  Hourly Standby \_\_\_\_\_ T-Out 0056 2/22  
 (F) Second Final Flow 33  Mileage 40 RT 40 Comments \_\_\_\_\_  
 (G) Final Shut-In 924  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1756  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open 5  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 30  Day Standby \_\_\_\_\_ Total 1090  
 Final Shut-In 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1090

Approved By \_\_\_\_\_ Our Representative Brannon Lonsdale

Trilobite Testing Inc. shall not be liable for damaged of any kind of 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 statements or opinion concerning the results 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.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61158

Well Name & No. Hagen #1 Test No. 2 Date 2/23/15  
 Company Staab Oil Co. Elevation 2221 KB 2216 GL  
 Address 1607 Hopewell Rd Hays, KS 67601  
 Co. Rep / Geo. Tanel Staab Rig Shields  
 Location: Sec. 18 Twp. 12 S Rge. 19 W Co. Ellis State KS

Interval Tested 3852-3874 Zone Tested Arbuckle  
 Anchor Length 22' Drill Pipe Run 3399 Mud Wt. 9.2  
 Top Packer Depth 3877-3852 Drill Collars Run 0 Vis 59  
 Bottom Packer Depth 3874 Wt. Pipe Run 465 WL 6.4  
 Total Depth 3928 Chlorides 3000 ppm System LCM 6<sup>th</sup>  
 Blow Description IF - Built to 1"  
ISI - No Flow  
FP - Slowly built to 1 1/2"  
FSI - No Blow

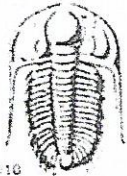
Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>WNM</u>			<u>10</u>	<u>90</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 90' BHT 116° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2039  Test 1050 T-On Location 1810  
 (B) First Initial Flow 25  Jars \_\_\_\_\_ T-Started 1941  
 (C) First Final Flow 30  Safety Joint \_\_\_\_\_ T-Open 2153  
 (D) Initial Shut-In 1217  Circ Sub \_\_\_\_\_ T-Pulled 0128 2/24  
 (E) Second Initial Flow 33  Hourly Standby \_\_\_\_\_ T-Out 0330  
 (F) Second Final Flow 68  Mileage 40 RT 40 Comments \_\_\_\_\_  
 (G) Final Shut-In 1195  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1991  Straddle 600  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer x2 500  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 575  
 Day Standby 1d 17.25h Total 2765  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 2190

Approved By \_\_\_\_\_ Our Representative Brannan Lonsdale  
 TriLOBITE TESTING INC. shall not be liable for damaged or any kind of 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 statements or opinion concerning the results 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





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61159

Well Name & No. Hagen #1 Test No. 3 Date 2/24/15  
 Company Starb Oil Co Elevation 2221 KB 2216 GL  
 Address 1607 Howardell Rd Hays, KS 67601  
 Co. Rep / Geo. Janel Starb Rig Shields  
 Location: Sec. 18 Twp. 12 S Rge. 19 W Co. Ellis State KS

Interval Tested 3716 - 3750 Zone Tested KC "K"  
 Anchor Length 34' Drill Pipe Run 3243 Mud Wt. 9.2  
 Top Packer Depth 3711 - 3716 Drill Collars Run 0 Vis 57  
 Bottom Packer Depth 3750 Wt. Pipe Run 465 WL 64  
 Total Depth 3928 Chlorides 3000 ppm System LCM 6#  
 Blow Description IF - Blow to 1"  
ISF - No blow  
FF - No blow  
FISF - No blow

Rec	Feet of	%gas	%oil	%water	%muc
<u>5</u>	<u>M w/ few oil spots</u>				
Rec	Feet of	%gas	%oil	%water	%muc
Rec	Feet of	%gas	%oil	%water	%muc
Rec	Feet of	%gas	%oil	%water	%muc
Rec	Feet of	%gas	%oil	%water	%muc

Rec Total 5' BHT 112° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 1981  Test 1050 T-On Location 0330  
 (B) First Initial Flow 31  Jars \_\_\_\_\_ T-Started 0444  
 (C) First Final Flow 33  Safety Joint \_\_\_\_\_ T-Open 0639  
 (D) Initial Shut-In 1297  Circ Sub \_\_\_\_\_ T-Pulled 0844  
 (E) Second Initial Flow 33  Hourly Standby \_\_\_\_\_ T-Out 1128  
 (F) Second Final Flow 33  Mileage 40 RT 40 Comments \_\_\_\_\_  
 (G) Final Shut-In 995  Sampler \_\_\_\_\_ Trip back to Hays to  
 (H) Final Hydrostatic 1778  Straddle 600 get more perf.  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 2190  
 Initial Open 5  
 Initial Shut-In 60  
 Final Flow 30  
 Final Shut-In 30  
 Sub Total 2190  
 Total 2190  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Braman Lansdale

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of 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 statements or opinion concerning the results 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.



# GLOBAL CEMENTING, L.L.C.

1610

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT:  
RUSSELL, KS

DATE <u>2-16-2015</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>HAGEN</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>ELLIS</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR SHAELDS DRILLING

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D.

CASING SIZE 8 5/8 DEPTH 219.58

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 20'

PERFS

DISPLACEMENT 12.5 BBL

EQUIPMENT

PUMP TRUCK CEMENTER BRAD

# P1 HELPER BRANDIN

BULK TRUCK DRIVER JASON

# B3

BULK TRUCK DRIVER

#

OWNER

CEMENT AMOUNT ORDERED 150 SX COM  
316cc / 2% GEL

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

RUN IN 5 LITS. 8 5/8 CASING - CIRCULATE MUD - HOOK UP CEMENT - MIX 150 SX - WASH UP + DISPLACE WITH 12.5 BBL H<sub>2</sub>O - SHUT IN @ 200PSI - CEMENT DID CIRCULATE

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

CHARGE TO: STARR OIL CO.

STREET

CITY STATE ZIP

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



# GLOBAL CEMENTING, L.L.C.

1613

826 6761  
735 4559

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT:

RUSSELL, KS

DATE <u>2-24-2015</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>HAGER</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>ELLIS</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR SHELOS DRILLING

TYPE OF JOB DRY HOLE PLUG

HOLE SIZE 7 1/2 T.D. \_\_\_\_\_

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

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

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

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

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

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

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

PERFS \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 305 ST 60/10 P32

470 GEL - 1000

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

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

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

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

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

EQUIPMENT

PUMP TRUCK CEMENTER Brian

# P1 HELPER Brian

BULK TRUCK DRIVER ASHEW

# B1 DRIVER \_\_\_\_\_

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

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

TOTAL \_\_\_\_\_

REMARKS:

1st - 5051 @ 2432

2nd - 5051 @ 1605'

3rd - 10051 @ 875 4th 5051 @ 270'

5th - 4051 @ 40 1551 @ 3051 RAT HOLE

SERVICE

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

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

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

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

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

TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

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

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

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

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

TOTAL \_\_\_\_\_

CHARGE TO: SINAB INC

STREET \_\_\_\_\_

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

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

SIGNATURE George Begler

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

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

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