

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date _____

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Staab Oil Co., a General Partnership
Well Name	MADDY/ECHART 1
Doc ID	1398398

Tops

Name	Top	Datum
anhydrite	1243	628
base	1281	596
topeka	2797	-920
heebner	3003	-1126
toronto	3027	-1150
lansing	3047	-1170
bkc	3265	-1388
arbuckle	3300	-1423
t.d.	3389	-1512

GLOBAL OIL FIELD SERVICES, LLC

3106

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell

DATE <u>10/22/17</u>	SEC. <u>10</u>	TWP. <u>8</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Muddy Creek</u>	WELL #. <u>1</u>	LOCATION <u>4 1/2 miles S 26 W</u>			COUNTY <u>Rooks</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR <u>Shields</u>	OWNER
TYPE OF JOB <u>5 1/2" STRIPS</u>	
HOLE SIZE <u>5 1/2"</u>	T.D. <u>3390</u>
CASING SIZE <u>5 1/2"</u>	DEPTH <u>3390</u>
TUBING SIZE <u>5 1/2"</u>	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX.	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>37.01</u>	
PERFS	
DISPLACEMENT <u>213</u>	
EQUIPMENT	
PUMP TRUCK # <u>417</u>	CEMENTER <u>Bill Cody</u>
BULK TRUCK #	HELPER <u>Jason</u>
BULK TRUCK #	DRIVER <u>Tom</u>
BULK TRUCK #	DRIVER <u>Chris</u>

CEMENT AMOUNT ORDERED <u>200M cement 10% salt</u>		
COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
HANDLING	@	
MILEAGE	@	
TOTAL		

REMARKS:

Pipe of e3327 Insert e3350
Depth of hole
Following by 200M cement 10% salt
213
Pump plus w/ 13.111 gal of water
1200 ft
Flow plug
Cement did circ.

SERVICE

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

CHARGE TO: STANB OIL Co. 96 General Park
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>10 Turb's cement</u>	@	
<u>3 Flow plug</u>	@	
<u>Flow shoe</u>	@	
TOTAL		

Global Oil Field 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 _____

SALES TAX (If Any) _____

2428 Toulon Ave
Hays, KS 67601
Phone: 785-625-4311
Cell Phone: 785-635-1660
janelst1969@gmail.com

GEOLOGIST'S WELL REPORT

COMPANY: Staab Oil Company #6037
WELL: Maddy / Echart
FIELD: wildcat
LOCATION (legal): SE, SE, SW, SW - 245' E SL, 1240' FWL
Section: 10 TWP 8S RGE 18W
(Map) 9 1/2 miles north, west 1 mile, 1/2 mile S, 1/2 mile west
COUNTY: Rooks STATE: Kansas
ELEVATION: 1877' K.B., 1872' G.L.
Depths measured from Kelly Bushing
A. P. I. NUMBER: 15.163-24348
GEOLOGY BY: Janel Staab

PERTINENT WELL DATA

CONTRACTOR Shields Drilling Co. # 5184

RIG 1 HYDRAULICS Bethlehem 225 6x14x

DRILL PIPE 4 1/2" X-H COLLARS 6 1/4" 233'

CASING: SURFACE 8 5/8" @ 215" w/150 SX common

PRODUCTION 5 1/2 @ 3390 w/150 SX common

DRILLING FLUID: COMPANY Mud Co/Service Mud Inc.

TYPE: Chemical (Gary Schmidtberger)

REMARKS: Full Service

DRILLSTEM TESTS: COMPANY Trilobite Testing

NUMBER OF TESTS 3 Brannan Lonsdale

ELECTIC LOGS: COMPANY ELI

DETAIL (5") 2700' - RTD

TYPE D.I. Comp N-D. Micro

DRILLING TIME FROM 2750' TO RTD

SAMPLE TIME FROM 2750' TO RTD

SUPERVISION FROM 2750' TO RTD

VERTICAL DEVIATION 1° @ 3045'

PLUGGING REPORT _____

RESERVE PIT _____

DAILY REPORT

DATE:	7 a.m. Depth	RIG ACTIVITY
10-11-17	Spud	
10-12-17	217'	W.O.C.
10-13-17	588'	Blow out preventer not working waiting on replacement part
10-14-17	588'	
10-15-17	1275'	Drilling Anhydrite
10-16-17	2004'	Drilling sand + shale
10-17-17	2630'	Drilling shale + lime
10-18-17	3093'	Drilling LKc - B
10-19-17	3145'	Drilling LKc G
10-20-17	3268'	Drilling Below Bk
10-21-17	3390'	DST #3
10-22-17		Setting casing

DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVER
1	LKC D.F 3091' 3045'	32# 61# 5"	1095# 60"	66# 187# 60"	1048# 90"	1578 1551	362' MW 60% 40% 2' CO
2	LKC #L 3182'- 3269'	32# 42# 5"	1140# 60"	48# 86# 60"	1119# 90"	1162 1169	93' WM w/oil sp 80% m
3	Arbuckle 3305- 3340	33# 38# 5"	1095# 60"	41# 76# 60"	979# 90"	1769 1694	60' OCM 20% 60' C60 75%
4							
5							
6							
7							

MUD RECORD

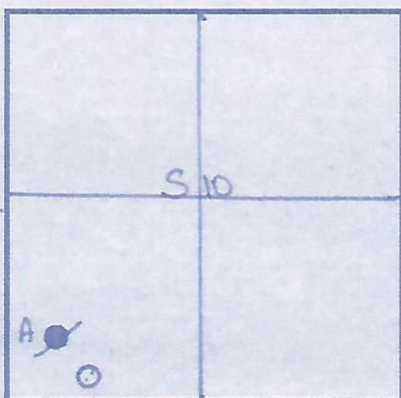
SHK	DEPTH	WT	VIS	FIL	CHL	YP	LOM
1	1275'	9.9	34	NC	1100	-	TF
2	2004'	10.4	35	NC	5200	-	TF
3	2630'	9.3	60+	7.2	1300	38	3
4	3093'	9.6	53	7.2	1400	25	1
5	3145'	9.2	43	7.2	2400	19	1
6	3285'	9.6	55	7.2	2700	28	1
7	3390'	-	-	-	-	-	-
8							
9							
10							
11							

BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTHOUT	FEET	HOURS
1	12 1/4"	Reed	Multitooth	217'	217'	
2	7 7/8"	Reed	S-52	3390'	3173'	
3						
4						

FORMATION TOPS & STRUCTURAL GEO

REFERRED TO:



- A: _____
- B: Maddy #1
- C: _____
- D: _____
- E: _____

STRATIGRAPHIC MARKERS	SUBJECT WELL			STRUCTURAL POSITION		
	SAMPLE	E. LOG	DATUM	A	B	C
Anhydrite	1248	1243	+634	+628		
Base	1285	1281	+596	+589		
Topeka	2801	2797	-920	-925		
Heeb Sh.	3003	3003	-1126	-1133		
Toronto	3030	3027	-1150	-1154		
LKC	3051	3047	-1170	-1175		
BXC	3260	3265	-1388	-1391		
Arbuckle	3300	3300	-1423	-1429		
T.O	3390	3389	-1512	-1495		

Strap 1.32' short

LOGY

SUMMARY

The Maddy/Echart #1 was drilled using
Location was Sec 10, T8S, R18W in Rook
Starting on Oct 11 2017 and set pipe on

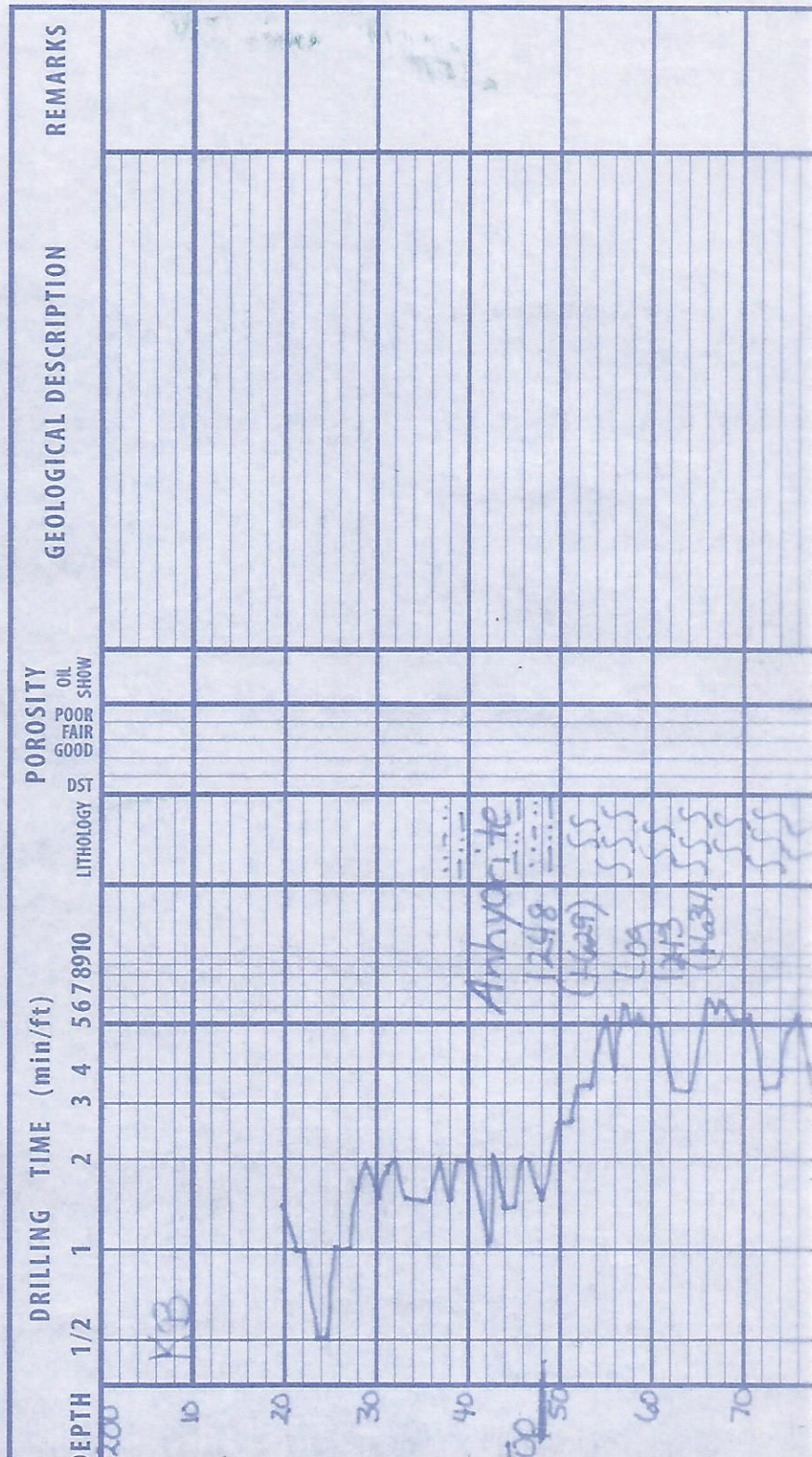
3-D seismic indicated that this location
Stratigraphically high compared to surround
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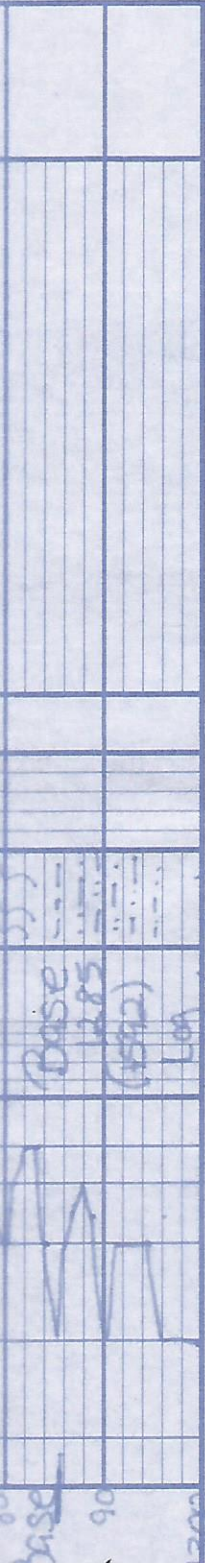
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DST#3 had a positive result and logs c
findings.

As A result production pipe were ran a
area will be in the Arbuckle.

Paul Saab

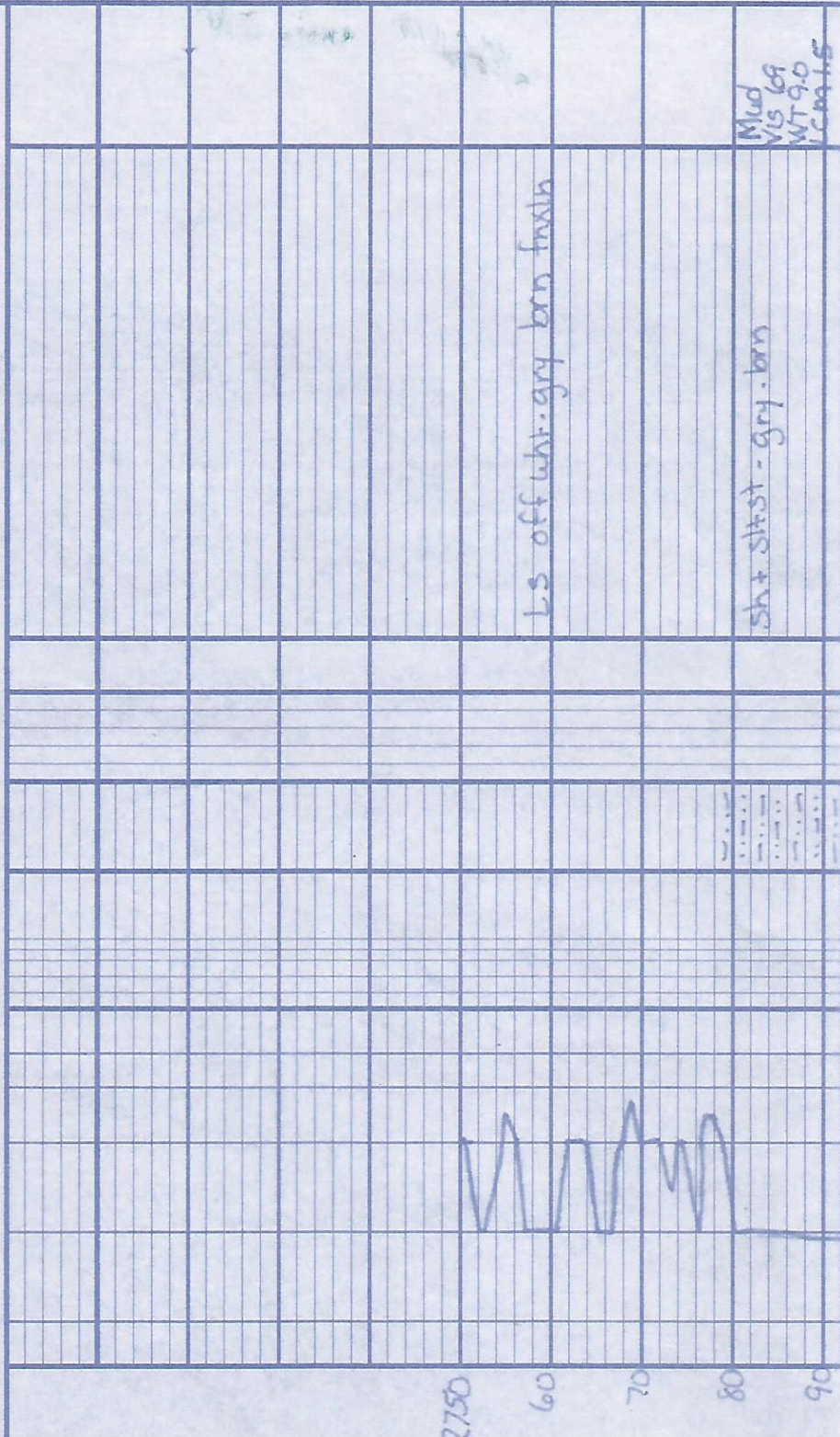
Wells Rig
 Co. Kansas
 Oct 22 17
 n was
 ing
 s ran.
 nirmed
 d focus





Base
1285
(15812)
L69

1281 (+596)



Ls off wht. gry brn finsh

sh + siltst - gry. brn

Mud
Vis 69
WT 90
LC 94.15

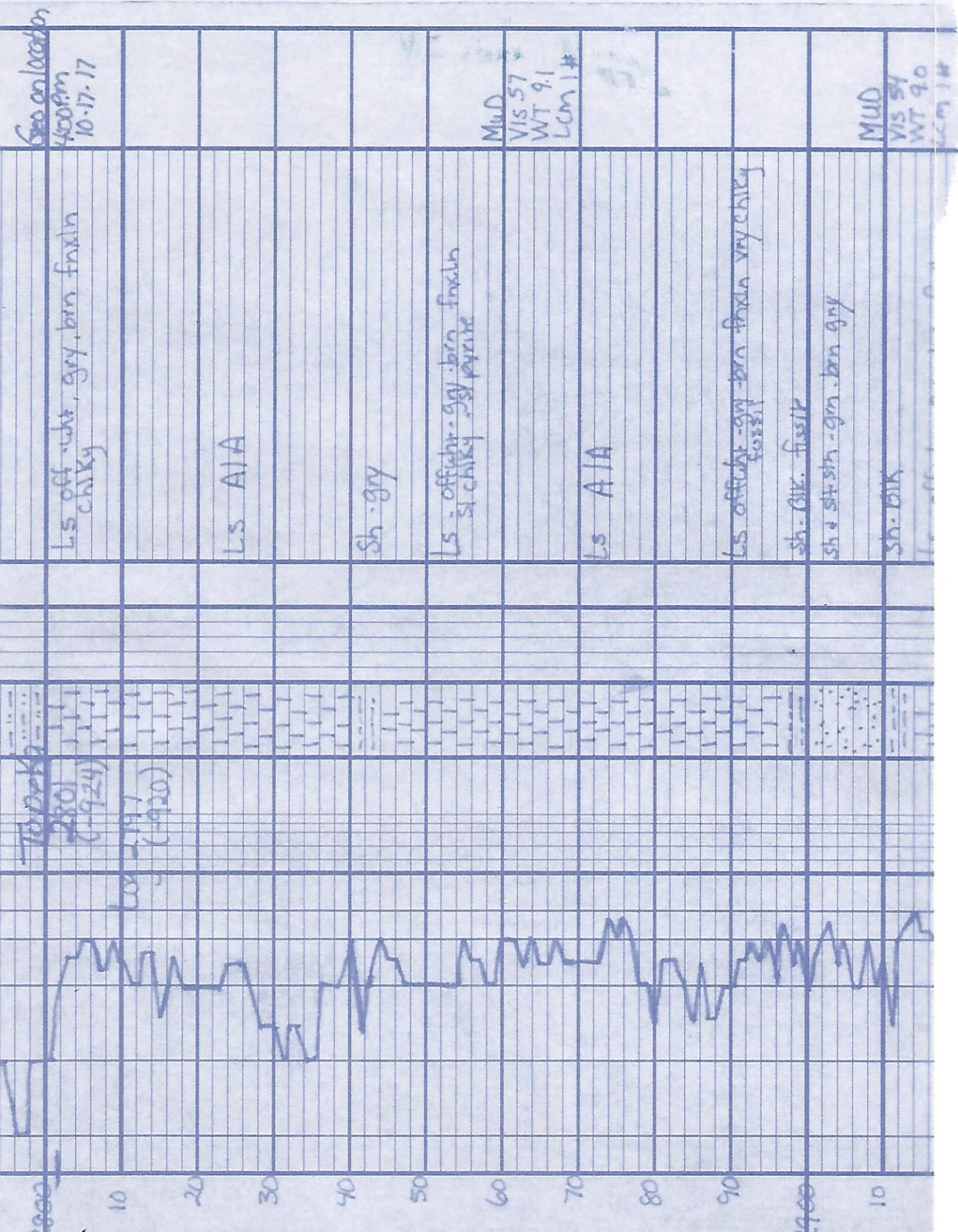
2750

60

70

80

90



2428 Toulon Ave
Hays, KS 67601
Phone: 785-625-4311
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COMPANY: Staab Oil Company #6037
WELL: Maddy / Echart
FIELD: wildcat
LOCATION (legal): SE, SE, SW, SW - 245' E, SL, 1240' FWL
Section: 10 TWP 85 RGE 18 W
(Map) Plainville north 9 1/2 miles, west 1 mile, 1/2 mile S, 1/2 mile west
COUNTY: Rocks STATE: Kansas
ELEVATION: 1877' K.B., 1872' G.L.
Depths measured from Kelly Bushing
A. P. I. NUMBER: 15.163-24348
GEOLOGY BY: Janel Staab

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4							
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MUD RECORD

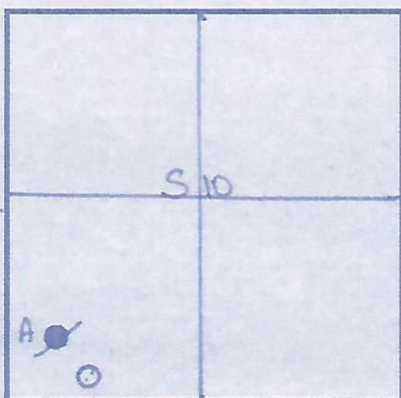
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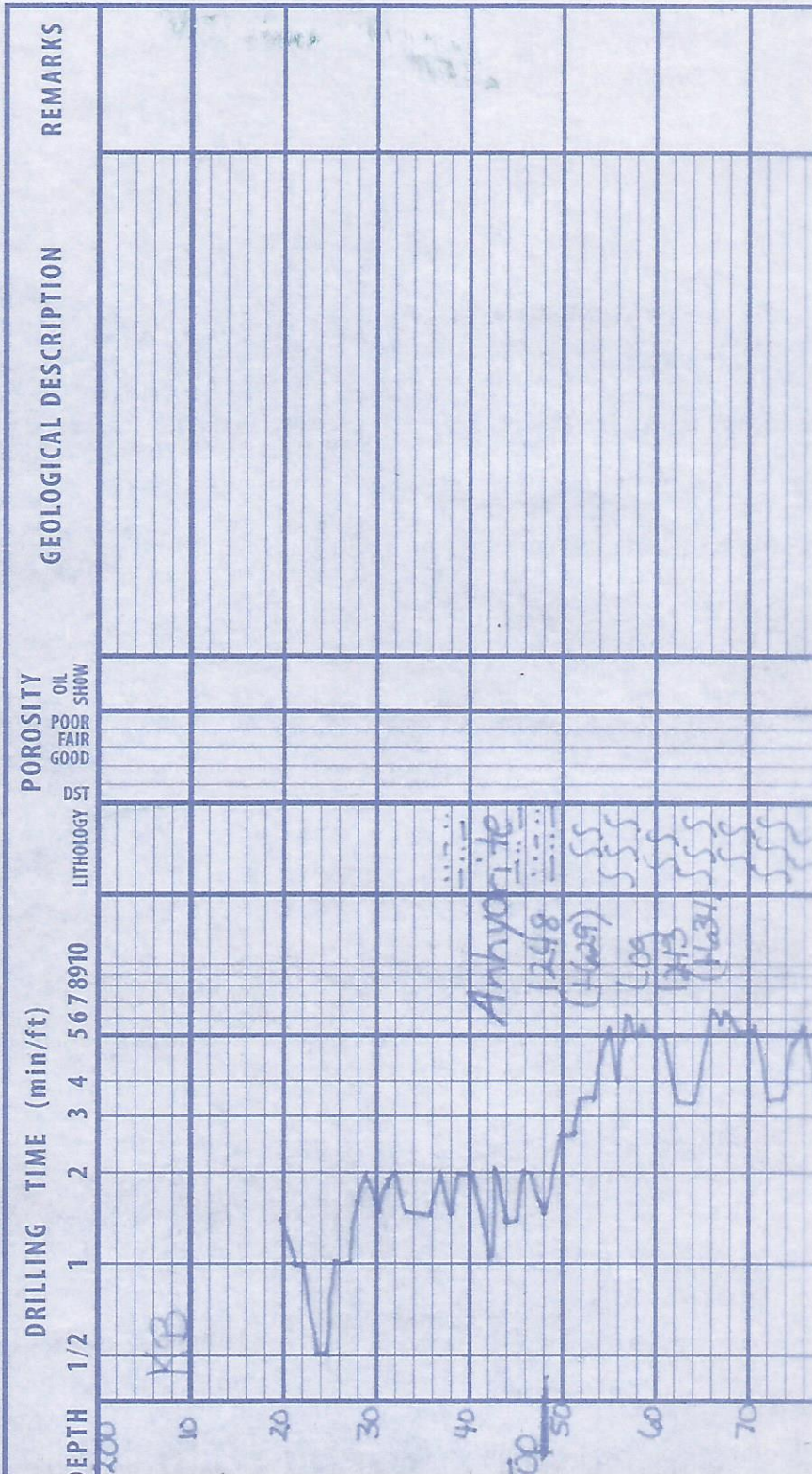
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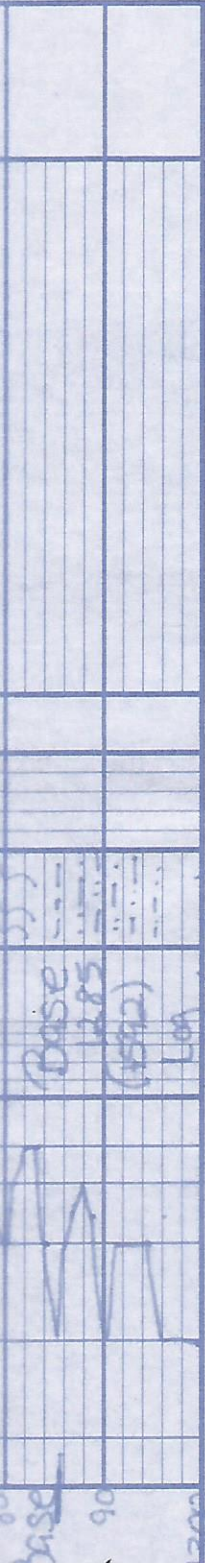
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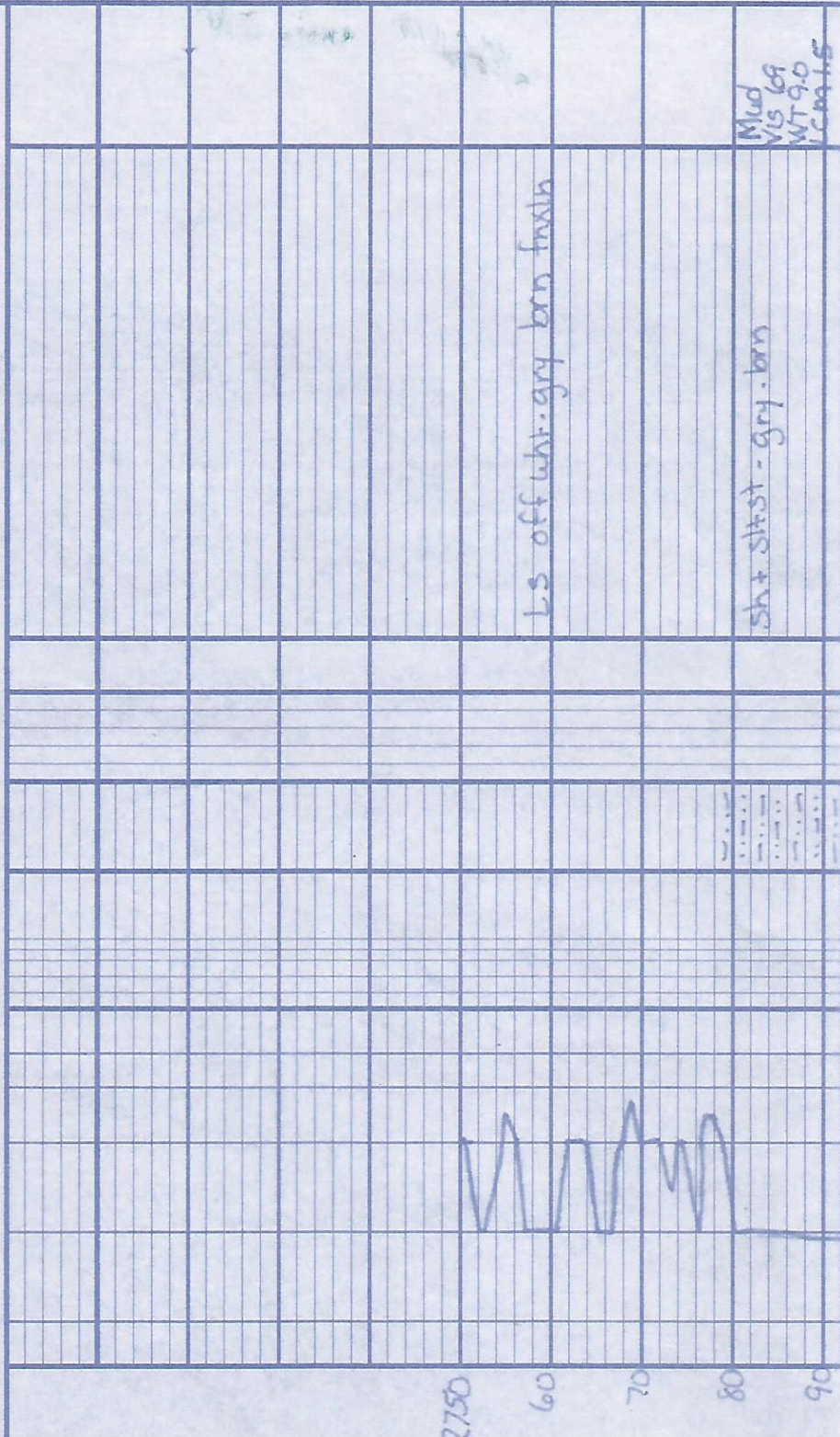
Wells Rig
 Co. Kansas
 Oct 22 17
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 nirmed
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Base
1285
(15812)

Log
1281 (+596)

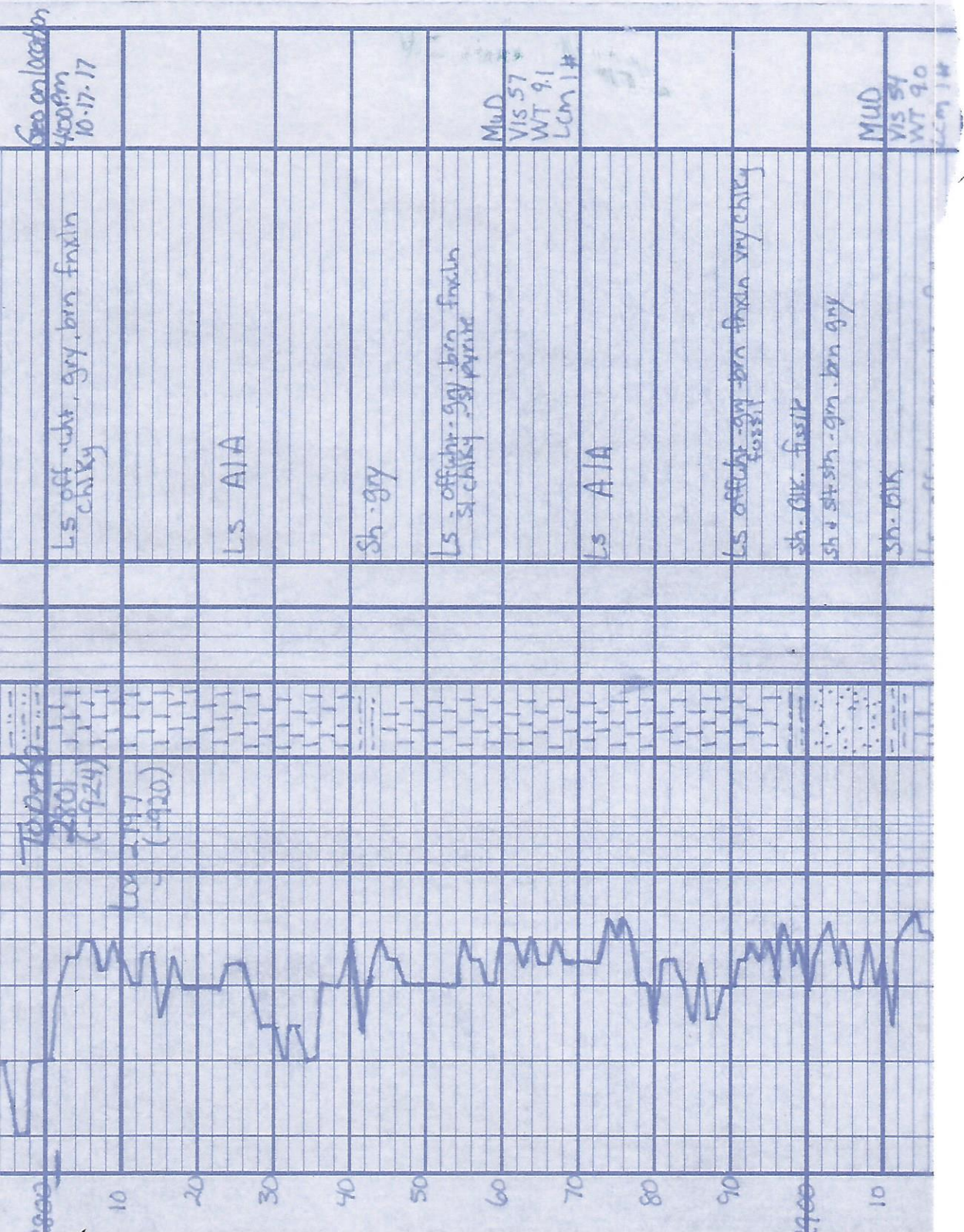


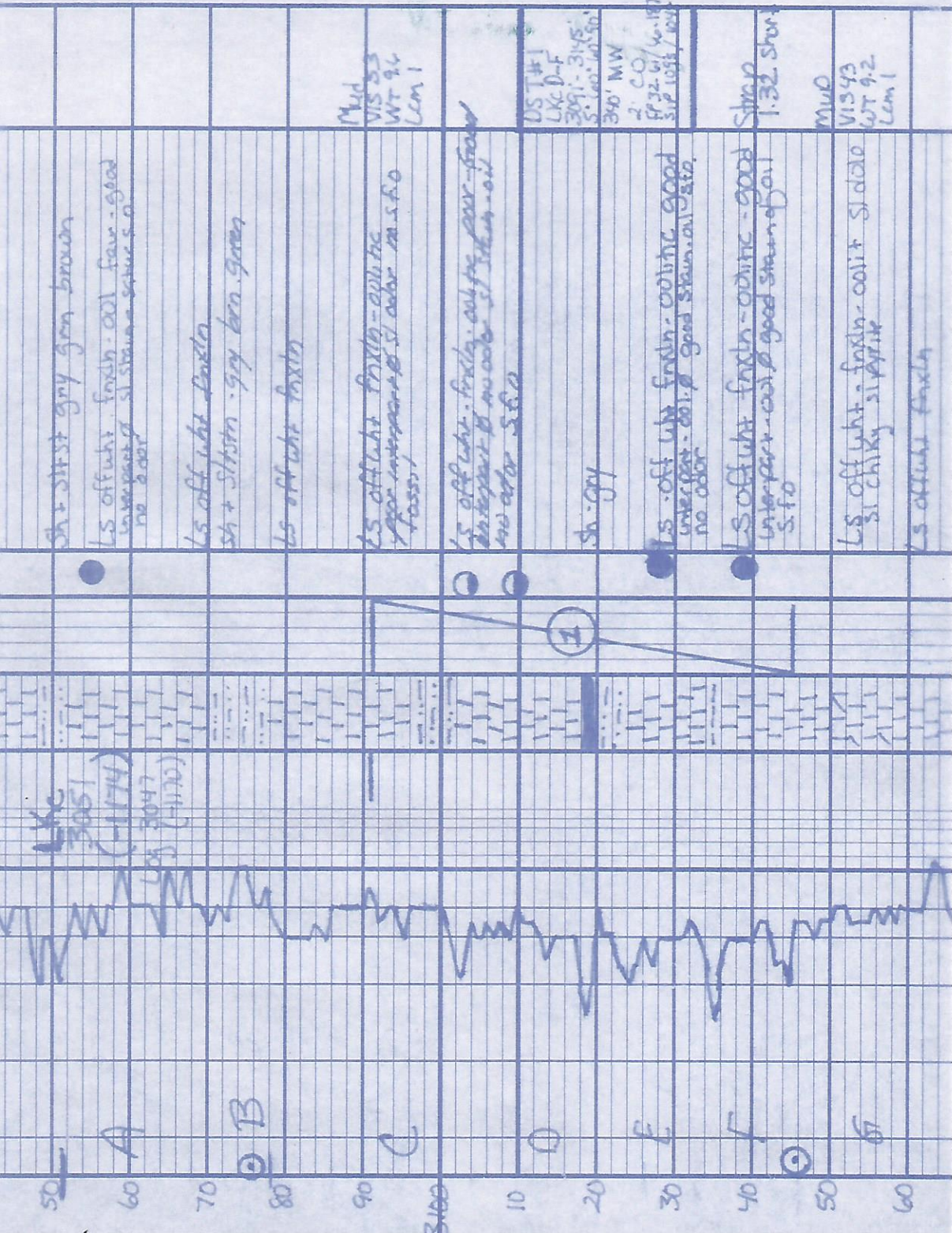
Ls off wht. gry brn finsh

sh + siltst - gry. brn

Mud
Vis 69
WT 90
LC 99.15

2750
60
70
80
90





Sh + siltst gray green brown

LS off wht. fresh - oil fair - good
Under part of sl stain - surface s.o.
no odor

LS off wht. fresh

Sh + siltstn. gray brown green

LS off wht. fresh

LS off wht. fresh - oil
Under part of sl stain - surface s.o.
no odor

LS off wht. fresh - oil
Under part of sl stain - surface s.o.
no odor S.F.O.

Sh - gray

LS - off wht. fresh - oil
Under part of sl stain - surface s.o.
no odor. Good

LS off wht. fresh - oil
Under part of sl stain - surface s.o.
no odor. Good

LS off wht. fresh - oil
Under part of sl stain - surface s.o.
no odor. Good

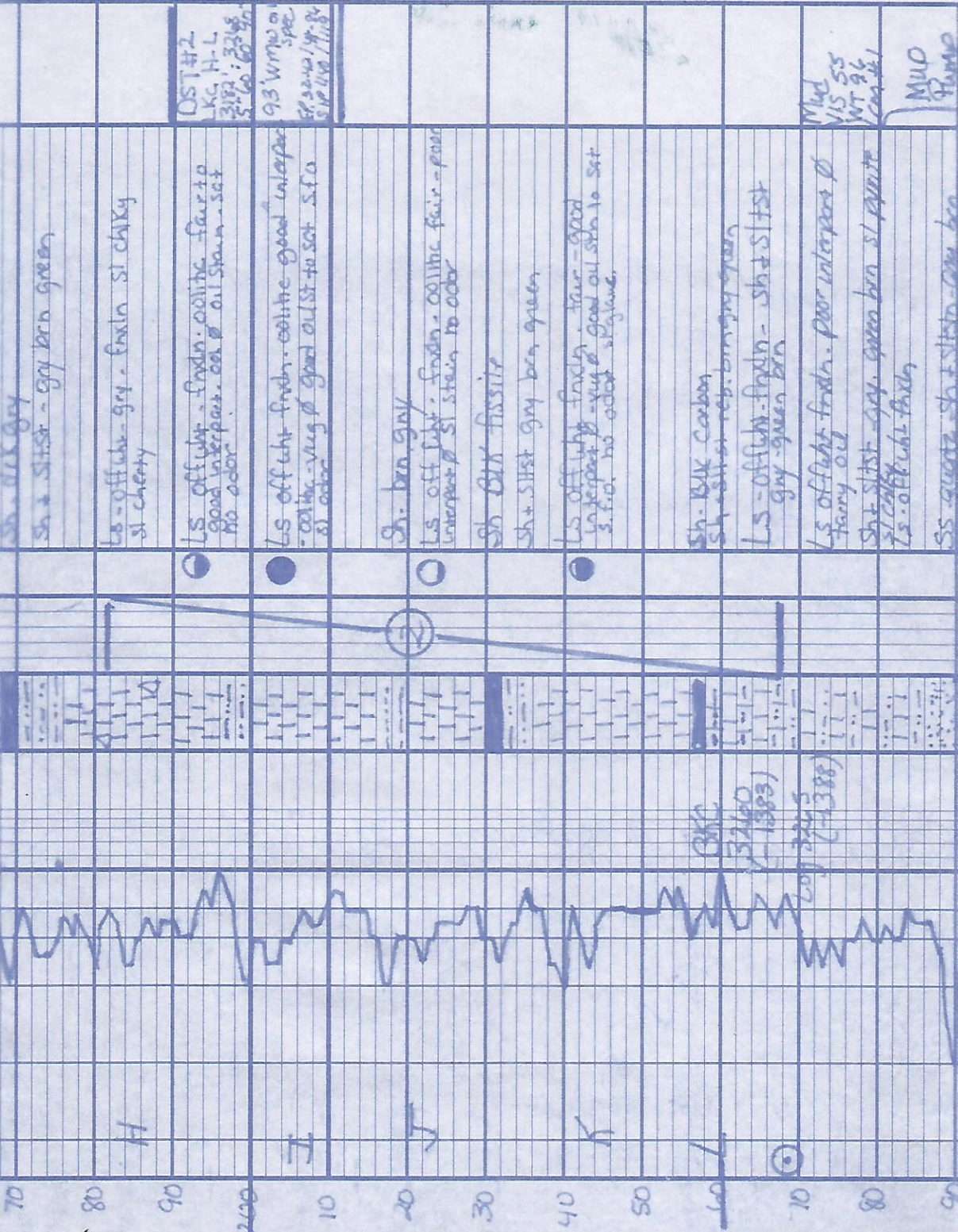
LS off wht. fresh

Mud
VIS 83
WT 9.2
Lcm 1

DST#1
LXC D-F
3091 - 3145
5' 100' 10' 50'
340' MW
2' CO
11/32 11/4 11/7
11/10 11/11 11/12

Sh + siltst
1.32 sh

Mud
VIS 93
WT 9.2
Lcm 1



DST #12
LKC, H-L
3182, 3348
5' 60' 60' 90'

9.3' Wmwa
spec
8/20/98
5' 10' 100' / 11.8'

Mud
V15 55
WT 96
/ 100%

MUD
P
Flume

Sh + siltst - gray brn green

Ls - off white - gray - finish silt clay
silt cherry

Ls - off white - finish - collitic - fair to
good interpers. od & oil stain - set
no odor

Ls - off white finish - collitic - good interpers
- collitic - very good oilst to set s.f.a
(s) odor

Sh - brn gray

Ls - off white - finish - collitic - fair - poor
interpers & silt stain to odor

Sh Bk Carbon

Sh + siltst gray brn green

Ls - off white - finish - fair - good
interpers & - very good oil stain to set
s.f.a. no odor silt stain

Sh - Bk Carbon

Sh + siltst - red - brn gray green

Ls - off white - finish - sh + siltst
gray - green brn

Ls - off white - finish - poor interpers &
fairy oil

Sh + siltst - gray - green brn silt quartz

Ls - off white - finish

Ss - quartz - sh + siltst - gray brn

H

I

J

K

L

M

BK
3240
(-1383)

Log 3245
(-1388)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Staab Oil Co.
1607 Hopewell Rd.
Hays, KS 67601
ATTN: Janel Staab

10-8S-18W Rooks,KS
Maddy Echart #1
Job Ticket: 55398 DST#: 1
Test Start: 2017.10.18 @ 21:45:26

Tool Information

Drill Pipe:	Length: 2608.00 ft	Diameter: 3.82 inches	Volume: 36.97 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 466.00 ft	Diameter: 2.75 inches	Volume: 3.42 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	40.39 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3091.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3072.00	
Shut In Tool	5.00			3077.00	
Hydraulic tool	5.00			3082.00	
Packer	5.00			3087.00	20.00 Bottom Of Top Packer
Packer	4.00			3091.00	
Stubb	1.00			3092.00	
Recorder	0.00	6771	Inside	3092.00	
Recorder	0.00	8524	Outside	3092.00	
Perforations	16.00			3108.00	
Change Over Sub	1.00			3109.00	
Drill Pipe	32.00			3141.00	
Change Over Sub	1.00			3142.00	
Bullnose	3.00			3145.00	54.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Staab Oil Co.
1607 Hopewell Rd.
Hays, KS 67601
ATTN: Janel Staab

10-8S-18W Rooks,KS
Maddy Echart #1
Job Ticket: 55399 DST#: 2
Test Start: 2017.10.19 @ 21:40:56

GENERAL INFORMATION:

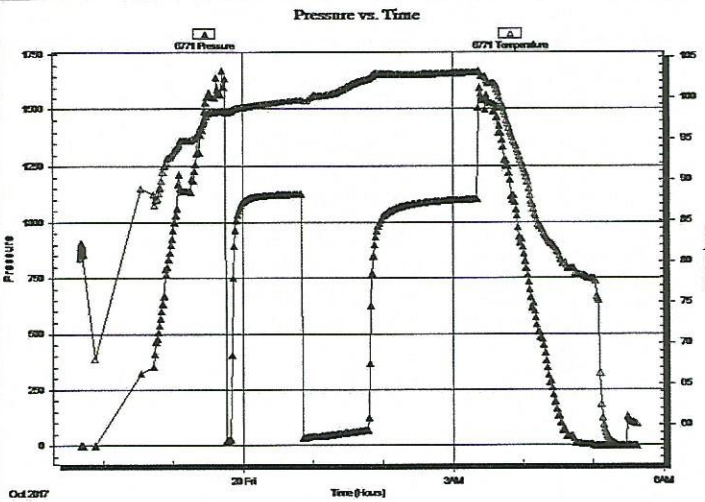
Formation: LKC "H-L"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:45:17
Time Test Ended: 05:37:17
Interval: 3182.00 ft (KB) To 3268.00 ft (KB) (TVD)
Total Depth: 3268.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan Lonsdale
Unit No: 73
Reference Elevations: 1877.00 ft (KB)
1872.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: psig @ 3183.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.10.19 End Date: 2017.10.20 Last Calib.: 2017.10.20
Start Time: 21:41:01 End Time: 05:37:21 Time On Btm:
Time Off Btm:

TEST COMMENT: 05- IF- Built to 1 1/2"
60- IS- No blow
60- FF- Slowly built to 3 1/2"
90- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
93.00	WM w / few oil spots, 20%W 80%M	0.68

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Staab Oil Co.

10-8S-18W Rooks,KS

1607 Hopewell Rd.
Hays, KS 67601

Maddy Echart #1

Job Ticket: 55399

DST#: 2

ATTN: Janel Staab

Test Start: 2017.10.19 @ 21:40:56

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:45:17

Time Test Ended: 05:37:17

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: **3182.00 ft (KB) To 3268.00 ft (KB) (TVD)**

Total Depth: 3268.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1877.00 ft (KB)

1872.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8524

Outside

Press@RunDepth: 86.42 psig @ 3183.00 ft (KB)

Start Date: 2017.10.19

End Date: 2017.10.20

Start Time: 21:40:57

End Time: 05:37:17

Capacity: 8000.00 psig

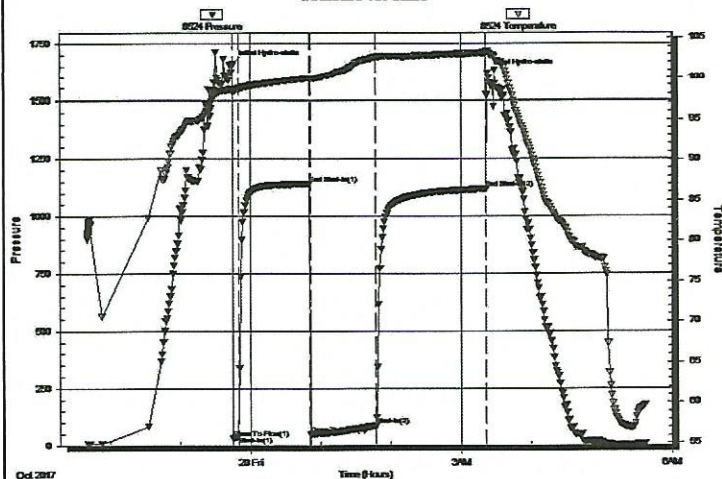
Last Calib.: 2017.10.20

Time On Btm: 2017.10.19 @ 23:45:02

Time Off Btm: 2017.10.20 @ 03:22:47

TEST COMMENT: 05- IF- Built to 1 1/2"
60- IS- No blow
60- FF- Slowly built to 3 1/2"
90- FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1661.81	98.52	Initial Hydro-static
1	31.94	98.18	Open To Flow (1)
5	42.27	98.57	Shut-In(1)
66	1140.27	99.90	End Shut-In(1)
67	48.48	99.73	Open To Flow (2)
123	86.42	102.63	Shut-In(2)
217	1118.85	103.19	End Shut-In(2)
218	1618.72	103.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	WM w / few oil spots, 20%W 80%M	0.68

* 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
ATTN: Janel Staab

10-8S-18W Rooks,KS
Maddy Echart #1
Job Ticket: 55400 DST#: 3
Test Start: 2017.10.21 @ 03:27:35

GENERAL INFORMATION:

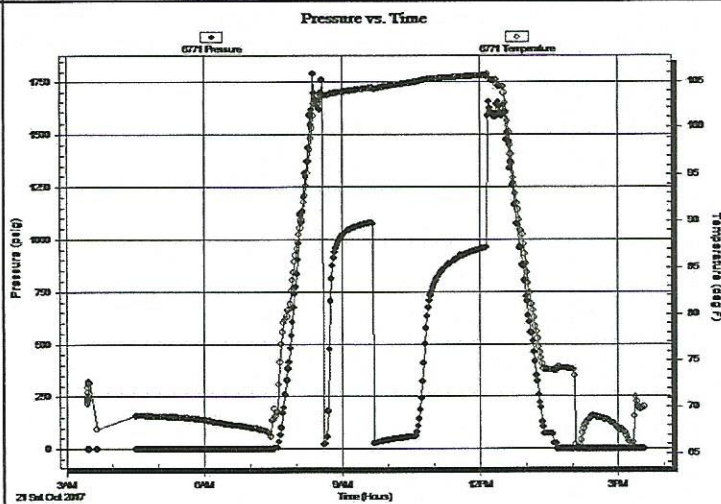
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:34:41
Time Test Ended: 15:33:40
Interval: **3305.00 ft (KB) To 3340.00 ft (KB) (TVD)**
Total Depth: 3389.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: Brannan Lonsdale
Unit No: 73
Reference Elevations: 1877.00 ft (KB)
1872.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: psig @ 3306.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.10.21 End Date: 2017.10.21 Last Calib.: 2017.10.21
Start Time: 03:27:39 End Time: 15:33:43 Time On Btm:
Time Off Btm:

TEST COMMENT: h 05- IF- Built to 2"
60- IS- No blow
60- FF- BOB 52 mins
90- FS- Very weak surface blow died in 45 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM, 20%O 80%M	0.44
65.00	CGO, 25%G 75%O	0.48

* 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
ATTN: Janel Staab

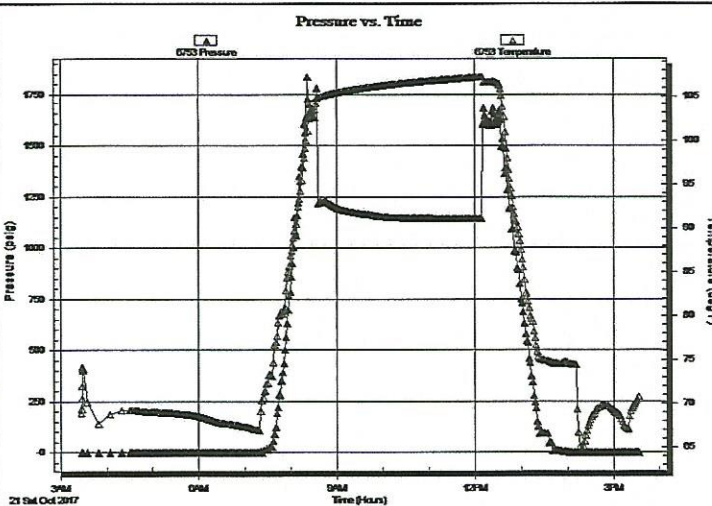
10-8S-18W Rooks,KS
Maddy Echart #1
Job Ticket: 55400 **DST#: 3**
Test Start: 2017.10.21 @ 03:27:35

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:34:41
Time Test Ended: 15:33:40
Interval: **3305.00 ft (KB) To 3340.00 ft (KB) (TVD)**
Total Depth: 3389.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: Brannan Lonsdale
Unit No: 73
Reference Elevations: 1877.00 ft (KB)
1872.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6753 Below (Straddle)
Press@RunDepth: psig @ 3342.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.10.21 End Date: 2017.10.21 Last Calib.: 2017.10.21
Start Time: 03:27:31 End Time: 15:33:26 Time On Btm:
Time Off Btm:

TEST COMMENT: h 05- IF- Built to 2"
60- IS- No blow
60- FF- BOB 52 mins
90- FS- Very weak surface blow died in 45 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM, 20%O 80%M	0.44
65.00	CGO, 25%G 75%O	0.48

* Recovery from multiple tests

Gas Rates

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

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
RUSSELL, KS 67665

Invoice

Date	Invoice #
10/24/2017	3106

Bill To
STAAB OIL COMPANY 1607 HOPEWELL RD HAYS,KS 67601

P.O. No.	Terms	Project
MADDY ECHANT...	Due on receipt	

Quantity	Description	Rate	Amount
200	COMMON CEMENT	16.00	3,200.00
17	SALT	16.00	272.00
4	GEL	21.50	86.00
221	HANDLING	1.90	419.90
	BULK MILEAGE	450.00	450.00
270	COMMON CEMENT	16.00	4,320.00
180	POZ	9.50	1,710.00
31	GEL	21.50	666.50
112.5	FLO-SEAL	2.00	225.00
481	HANDLING	1.90	913.90
	BULK MILEAGE	650.00	650.00
1	TRI-PLEX PUMP CHARGE FOR LONGSTRING	1,450.00	1,450.00
20	PUMP TRUCK MILEAGE	7.00	140.00
20	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	3.00	60.00
10	5 1/2 TURBOLIZER	84.00	840.00
3	5 1/2 BASKET	215.00	645.00
1	5 1/2 LD PLUG & BAFFLE	285.00	285.00
1	5 1/2 AFU FLOAT SHOE	325.00	325.00
	25% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE		
	ROOKS CO SALES TAX	7.00%	0.00

Bill Out #12 493.72

PJ 13347

10-29-17

Thank you for your business.	Total	\$16,658.30
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