



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1248619  
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: \_\_\_\_\_



1248619

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
--	---

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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Staab Oil Co., a General Partnership
Well Name	Hoffman Leikam 1
Doc ID	1248619

Tops

Name	Top	Datum
Anhydrite	1314	816
Base	1354	775
Topeka	3097	-967
Heebner	3339	-1209
Toronto	3363	-1233
Lansing	3389	-1259
BKC	3622	-1492
Arbuckle	3658	-1528
T.D.	3800	-1670

**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 Hoffman Leikam #1

FIELD unknown

LOCATION (legal) 175' FNL + 1535' FWL

Section 26 TWP 12S RGE 17W

(Map) 1/2 mile E + 3 mile W of Catherine KS

COUNTY Ellis STATE Kansas

ELEVATION: 2130' K.B., 2125' G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-051-26761

GEOLOGY BY Janel Staab

# PERTINENT WELL DATA

CONTRACTOR Shields Oil Producer

RIG # 2 HYDRAULICS Bath 225 6X14X60

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

CASING: SURFACE 8 5/8" @ 208' W / 150 SX Common

PRODUCTION 5 1/2" @ 3798' W 150 SX 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 Two (2)

ELECTIC LOGS: COMPANY Pioneer Energy Service

DETAIL (5") 3850' - RTD

TYPE D.I. Comp N-D. Micro.S

DRILLING TIME FROM 3020' TO RTD

SAMPLE TIME FROM 3060' TO RTD

SUPERVISION FROM 3110' TO RTD

VERTICAL DEVIATION 3/4" @ 211 0" @ 3800

PLUGGING REPORT 30 Sx Rat. 15 Sx Mouse

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

# DAILY REPORT

DATE: 7 a.m. Depth

RIG ACTIVITY

11-20-14

MIRU, Spud

11-21-14

220'

WOC

11-22-14

1315'

Drilling Anhydrite

11-23-14

2417'

Drilling Shale + Lim

11-24-14

3150'

Drilling Topeka lim

11-25-14

3550'

Drilling KC. TD

11-26-14

3800'

Logging DST #1 +

11-27-14

Set casing

# DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISF/TIME	FFP/TIME	FSF/TIME	IHP/FHP	RECOVERY
1	Arb. 3652- 3676	414# 673# 5"	1160# 60"	767# 824# 60"	1160# 90"	1862# 1786#	16' S.O.S.m few o. 2148 wcm 378 mw
2	Arb. 3665- 3674	16# 19# 5"	1127# 60"	22# 56# 90"	907# 90"	1883# 1789#	116' c/o 10' HOCm 20' 80
3							
4							
5							
6							
7							
8							

## MUD RECORD

CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	2950					
2	3050	8.7	80			
3	3150	8.7	64			
4	3261	8.8	62	7.2	2.1K	35
5	3350	8.9	55			
6	3400	9.0	55			
7	3500	9.0	66			
8	3550	9.1	57			
9	3600	9.3	57			
10	3600	9.4	55			
11						

Displaced  
LCM #2  
LCM #2  
LCM #2

LCM #2  
LCM #2  
LCM #2

## BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH	FEET	HOURS
1	12 1/4	Reed	milltooth	211	211	6 1/4
2	7 7/8	Reed	S-52	3800	3589	70
3						
4						

# FORMATION TOPS & STRUCTURAL GEOL

R17W

S 1/2 S24

REFERRED TO:

A: Staab Oil Co.  
Leikam #1 SE 1/4

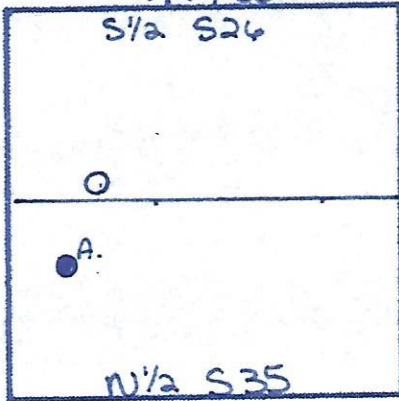
B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

E: \_\_\_\_\_

T  
12  
S



STRATIGRAPHIC MARKERS	SUBJECT WELL			STRUCTURAL POSITIO		
	SAMPLE	E. LOG	DATUM	A	B	C

Anhydrite	1319'	1314'	+816	+812		
Base	1354'	1354'	+776	+775		
Topeka	3099'	3097'	-967	-975		
Heeb. Sh.	3342'	3339'	-1209	-1212		
Toronto	3366'	3363'	-1233	-1241		
Lansing	3391'	3389'	-1259	-1267		
BKC	3623'	3622'	-1492	-1497		
Arbuckle	3660'	3658'	-1528	-1531		
T.O.	3801'	3801'		-1592		

\*Structural position of subject well as compared to refer

6

7



MW 35

The Hoffman Leikam #1 well was drilled by Shields Oil Producers beginning 11-20-14, completed 11-27-14

The drill site was picked via 3-D seismic

The well ran high structurally to the Leikam. Poor oil shows were found in the LKc. The Arbuckle came in high with good show oil

Two DST's were run. The DST#1 was inconclusive test. The bottom packer did. DST#2 was a positive test

Based upon the DST#2, good shows of logs casing was set and cemented. It will be on the Arbuckle

*J. Paul Saal*

D E

red well.

with  
nd

ic. Survey.

Sam #1  
up  
WS of

an  
at hold.

oil and  
cus

REMARKS

LITHOLOGY (LAGGED)

ρ & SHOWS  
POOR  
FAIR  
GOOD  
DST

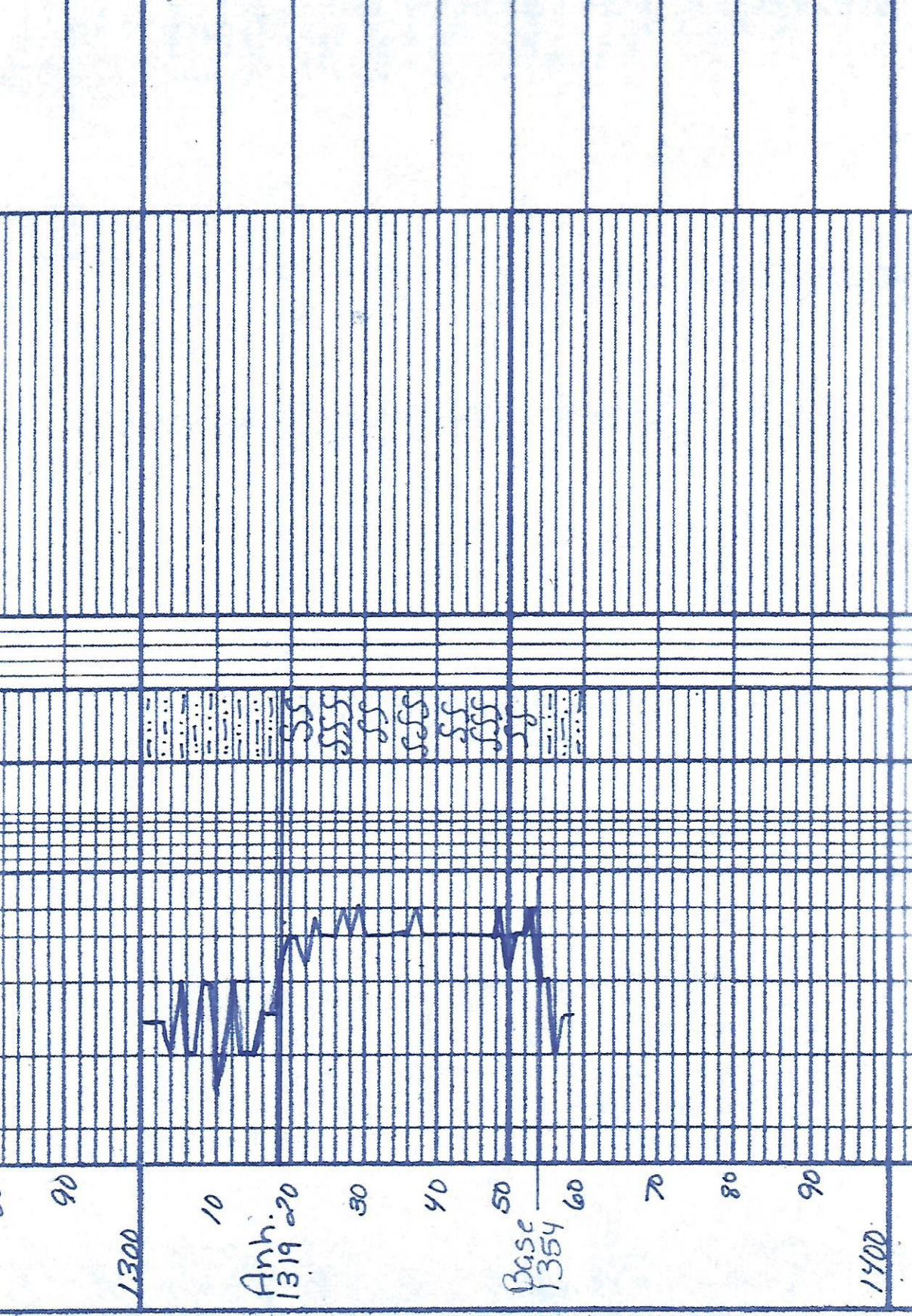
DRILLING TIME (min/ft)  
1/2 1 2 3 4 5678910

1250

60

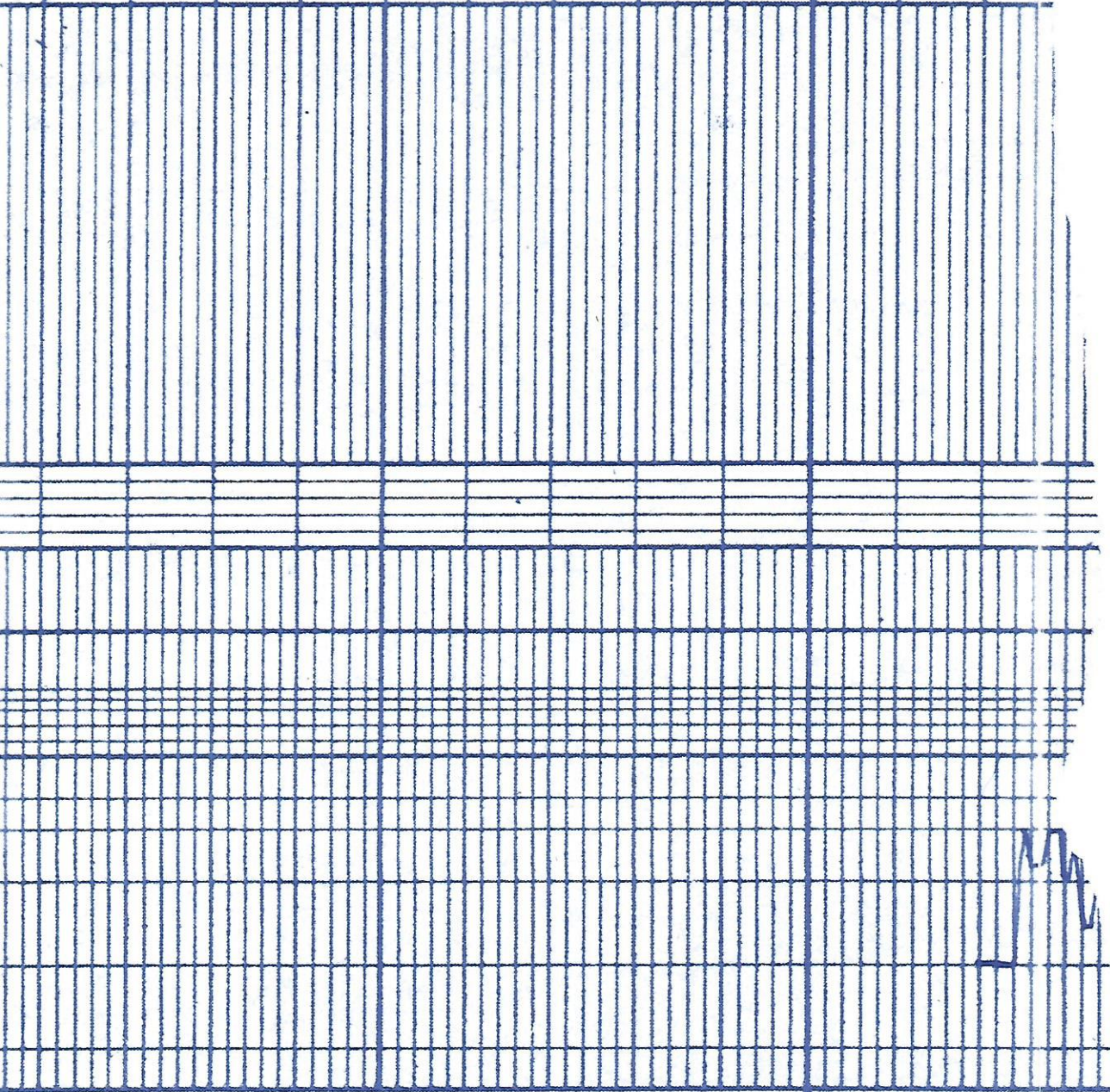
70

80



SS  
SS  
SS  
SS  
SS  
SS  
SS  
SS

1300  
90  
10  
Anh.  
1319.20  
30  
40  
50  
Base  
1354  
60  
70  
80  
90  
1400



3000

10

20

30

MWD  
WT 8.7  
VIS 80  
LEN 2

Giro on location  
4:45 am  
11-24-14

mud

sh + siltst - gry brown

LS fan-brn - gry faxta

sh + siltst gry - brn - grn

LS offwh - gry - brn  
finch

LS AIA fossil

LS offwh - gry - brn faxta

sh - drk gry

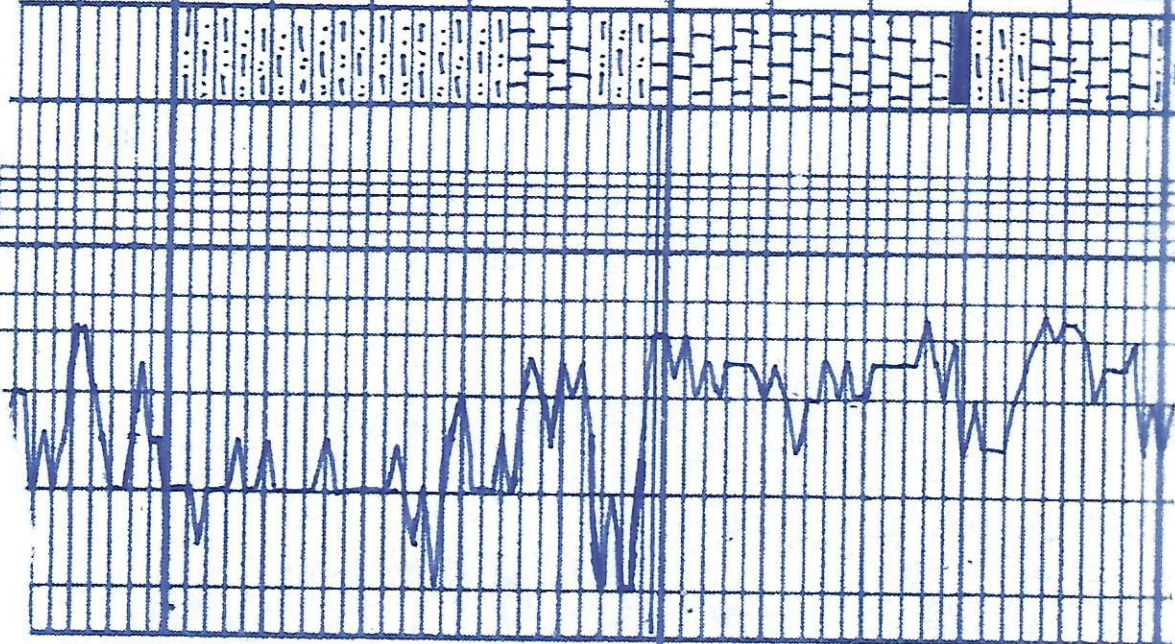
sh + siltst - gry - brn pyrite

LS offwh - gry - brn faxta  
fossil

sh + siltst - gry - brn

40 50 60 70 80 90  
10 20 30 40 50

Topok 90  
3099  
3100



WT 8.7  
Vis 6.4  
Lcm 3

LS tan - grey - brown  
fract + impure  
slight stain show when cut  
no odor  
pyrite

LS offwhite - grey - brown  
fract. - fossil

A/A

sh. Blk

sh. stst. grey - brown

LS tan - grey - brown  
fract. - cherty

sh. Blk

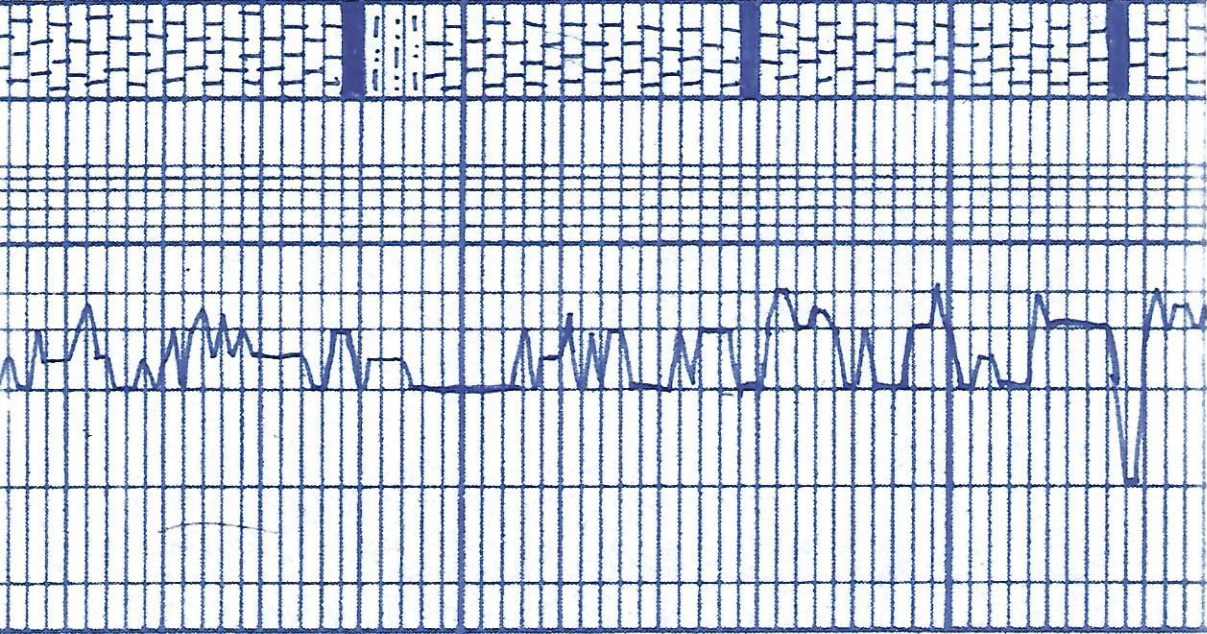
LS offwhite - grey - brown  
fract. - cherty

LS A/A w/ pyrite

sh. Blk

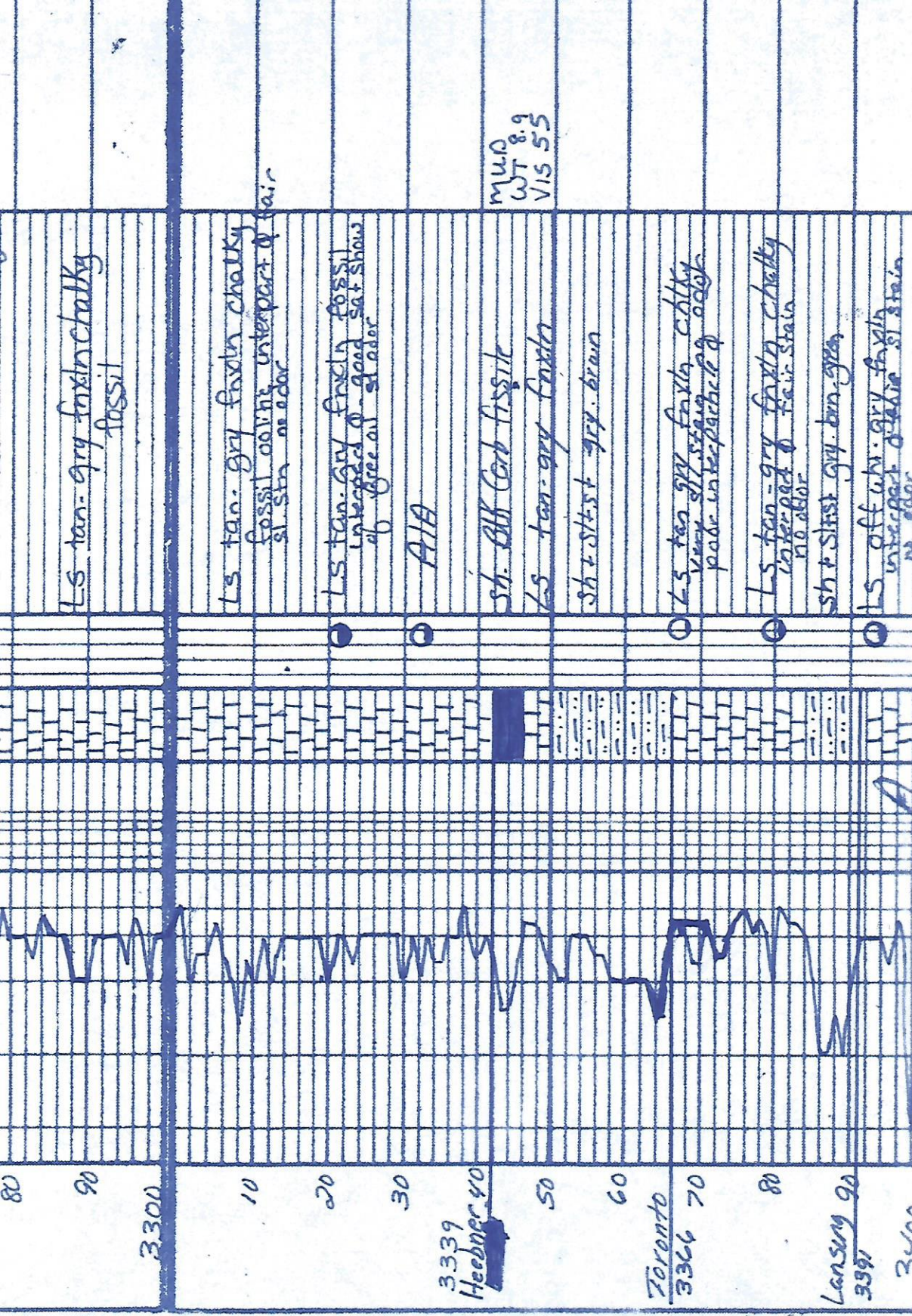
LS tan - brown  
fract. - cherty

mud  
WT 8.8  
Vis 6.2  
Lcm 2



3200

60 70 80 90 10 20 30 40 50 60 70



MUD  
WT 8.9  
VIS 55

LS tan-gry finch chalky  
fossil

LS tan-gry finch chalky  
fossil oolite interpart of fair  
sl. stain no odor

LS tan-gry finch fossil  
interpart of good sat show  
of free oil stain

AIA

sh. blk carb fossil

LS tan-gry finch

sh. t. st. st. gry. brown

LS tan-gry finch chalky  
with sil. stain no odor

LS tan-gry finch chalky  
interpart of fair stain  
no odor

sh. t. st. st. gry. brown

LS off wh. gry. finch  
interpart of fair stain  
no odor

3300

10

20

30

3339  
Heebner 40

50

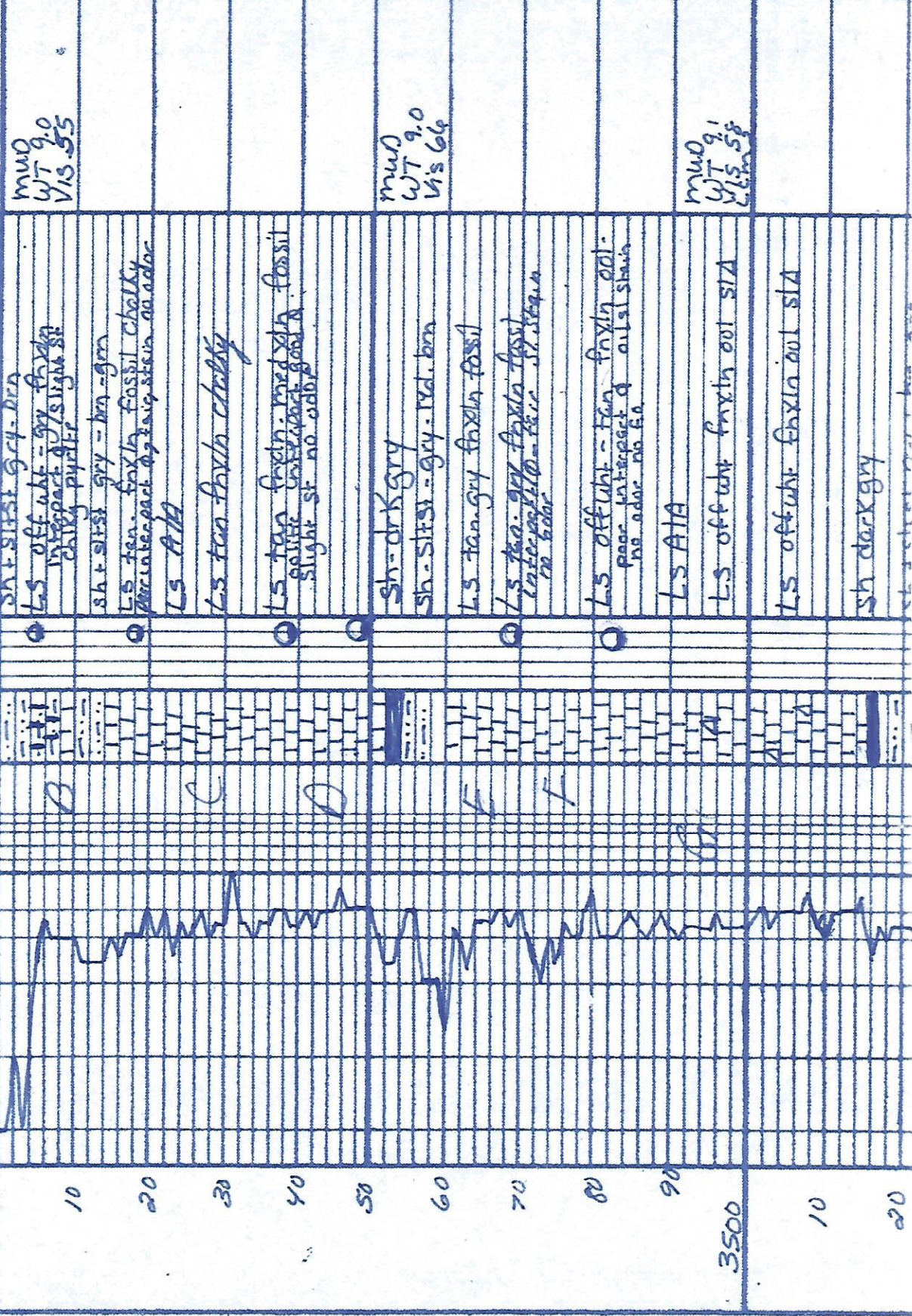
60

Toronto  
3366 70

80

Lansing 90  
3391

3400



MWD  
WT 9.0  
Vis 55

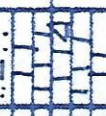
MWD  
WT 9.0  
Vis 66

MWD  
WT 9.1  
Vis 58

3500



LS off wht. to gray fossil  
fossil sld



30

Sh + sstst gray brn green  
pyrite



40

LS off wht. to gray to fossil  
pyrite



50

Sh-gray sstst gray + brn



60

LS off wht. to gray fossil  
pyrite



70

LS off wht. brn fossil  
interpart of sstst + adap  
sh blk carb



80

LS off wht. to gray fossil



90

Sh + sstst gray brn green  
LS off wht. to gray fossil



10

LS sstst gray brn green  
LS sstst gray fossil



20

Sh + sstst gray green



30

Sh + sstst gray green



40

MWD  
WT 8.1  
VIS 57  
LCM 2

MWD  
WT 9.2  
VIS 67  
LCM 2

3600

BKC  
3623

DST #1 Arbuckle  
3452.3676  
5:40:40:90  
failed bottom packer

DST #2 Arbuckle  
3465.3674  
Spec 116' L10  
10' HOCM

LS tan. gy. f. lo. A  
fossil interpreted and  
sh. silty. good sh. oil no odor

Dark tan. fin. med. xlo  
w/ good texture. V. light green  
AIA good odor

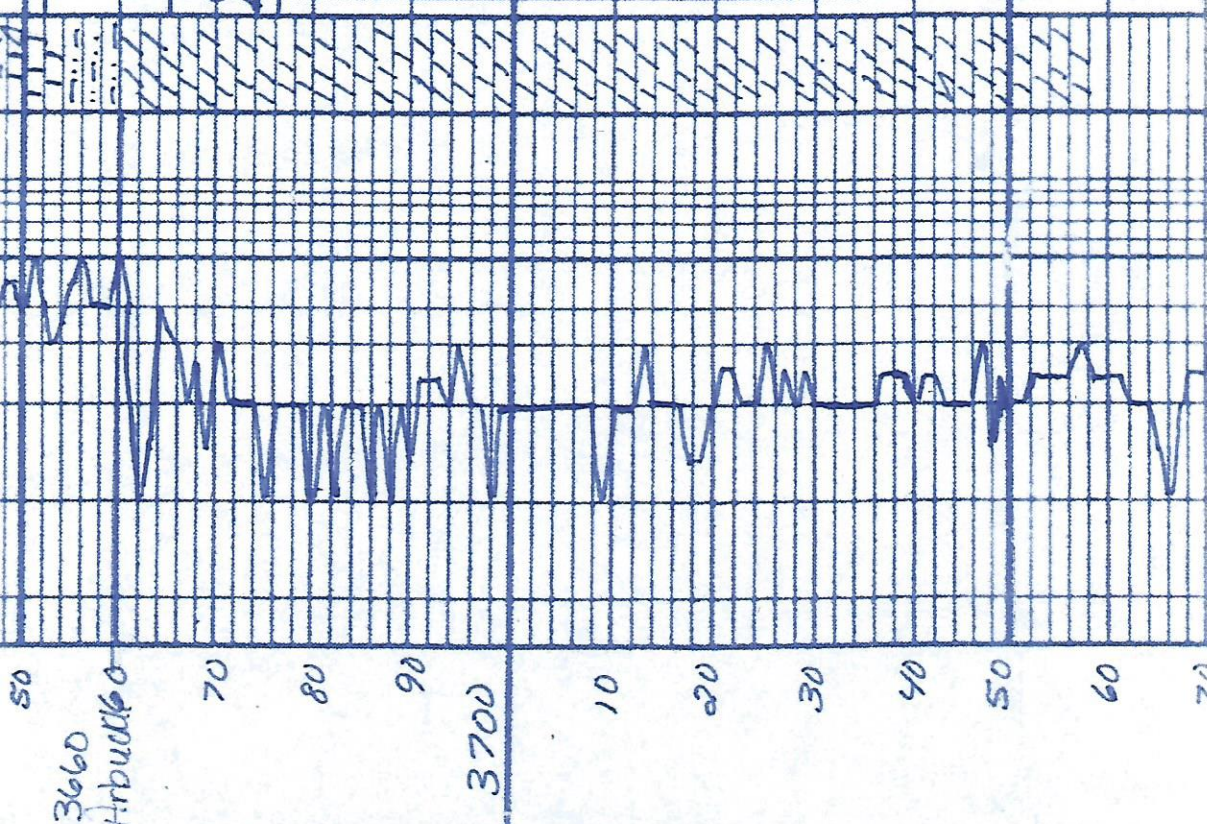
Dark tan. Sur. w/ good  
interpart. f.o. Saturated  
out show good odor  
AIA

Dark Sur. and calcitic  
good calcitic in part of  
f.o. saturated good odor  
AIA but less f.o.

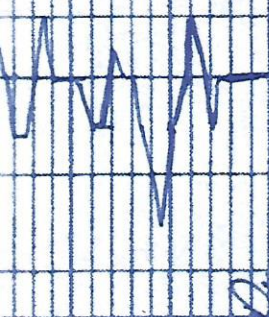
Dark Sur. calcitic w/  
good calcitic in part of  
good from f.o. saturated  
all show good odor f.o.  
AIA

Dark Sur. calcitic  
AIA

Dark Sur. calcitic



DO NOT WRITE



80

90

3800 T.D.



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Stabb Oil Company

Sec. 26 - 12 s. - 17 w./ Ellis ks.

1607 Hopewell RD.  
Hays KS.  
67601  
ATTN: Janel Staab

Hoffman Leikman # 1

Job Ticket: 62489 **DST#: 1**

Test Start: 2014.11.26 @ 03:45:05

## GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:23:30

Time Test Ended: 12:44:00

Interval: 3652.00 ft (KB) To 3676.00 ft (KB) (TVD)

Total Depth: 3801.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Initial)

Tester: Bob Hamel

Unit No: 60

Reference Elevations: 2130.00 ft (KB)

2125.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 1160.02 psig @ 3653.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.26 End Date: 2014.11.26

Last Calib.: 2014.11.26

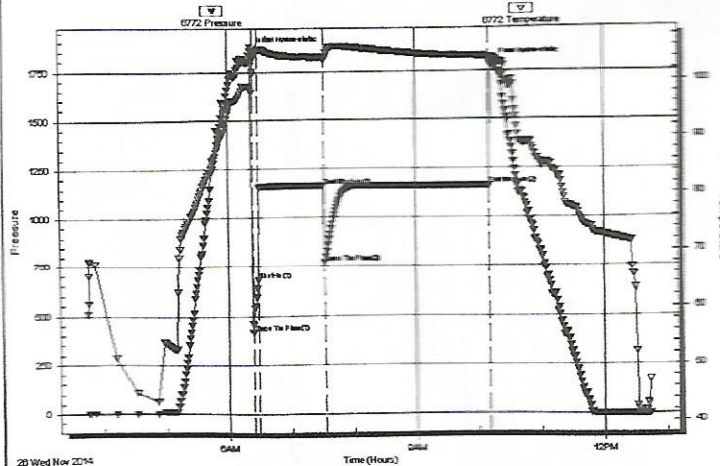
Start Time: 03:45:05 End Time: 12:44:00

Time On Btm: 2014.11.26 @ 06:22:15

Time Off Btm: 2014.11.26 @ 10:13:45

TEST COMMENT: LF. - 5 - B.O.B. IN 45 SEC.  
LS.L - 60 - W.S.B.B. STARTED @ 8 MIN. BLEW FOR 2 THEN DIED  
F.F. - 60 - B.O.B. INSTANT  
F.S.I. - 90 - NO B.B.

Pressure vs. Time



PRESSURE SUMMARY

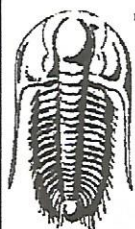
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.66	98.45	Initial Hydro-static
2	414.07	101.25	Open To Flow (1)
7	672.77	105.45	Shut-In(1)
70	1159.90	104.20	End Shut-In(1)
71	766.69	103.69	Open To Flow (2)
229	1160.02	104.20	End Shut-In(2)
232	1786.37	103.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
378.00	M,W, 5%M 95%W	2.68
2148.00	W,C,M, 15%W 85%M	29.26
16.00	S,O,S,M, 100%M (FEW OIL SPECS)	0.22

Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Staab Oil Company

Sec. 26 - 12 s. - 17 w./ Ellis ks.

1607 Hopewell RD.  
Hays KS.  
67601  
ATTN: Janel Staab

Hoffman Leikman # 1

Job Ticket: 62490

DST#: 2

Test Start: 2014.11.26 @ 14:45:00

## GENERAL INFORMATION:

Formation: **ARBUCKE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:17:30

Time Test Ended: 22:43:00

Interval: 3665.00 ft (KB) To 3674.00 ft (KB) (TVD)

Total Depth: 3801.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Bob Hamel

Unit No: 60

Reference Elevations: 2130.00 ft (KB)

2125.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 55.74 psig @ 3666.00 ft (KB)

Start Date: 2014.11.26

End Date: 2014.11.26

Start Time: 14:45:00

End Time: 22:43:00

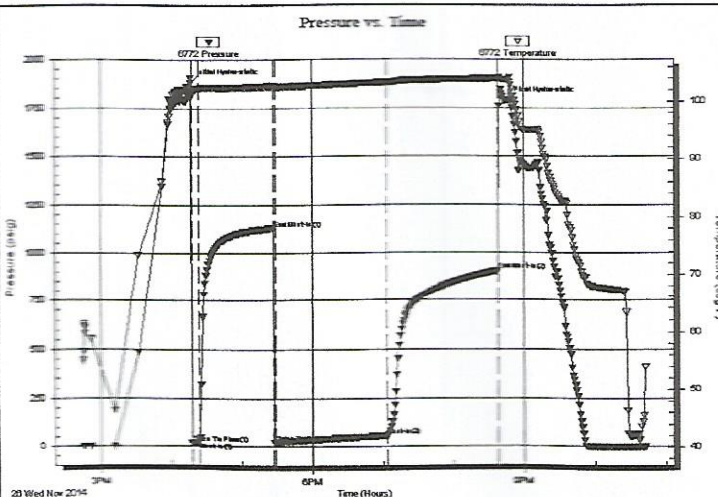
Capacity: 8000.00 psig

Last Calib.: 2014.11.26

Time On Btm: 2014.11.26 @ 16:17:00

Time Off Btm: 2014.11.26 @ 20:46:00

TEST COMMENT: I.F. - 5 - 1/4" INT. BLOW BUILT TO 2 1/4"  
I.S.I. - 60 - NO B.B.  
F.F. - 90 - W.S.B. STARTED @ 3 MIN. BUILT TO 7"  
F.S.I. - 90 - NO B.B.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1883.26	102.32	Initial Hydro-static
1	15.91	101.11	Open To Flow (1)
7	19.26	102.35	Shut-In(1)
70	1126.84	102.77	End Shut-In(1)
72	21.81	102.54	Open To Flow (2)
167	55.74	103.30	Shut-In(2)
261	906.77	103.97	End Shut-In(2)
269	1788.98	103.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	H <sub>2</sub> O,C.M. 20%O 80%M	0.07
116.00	C/O 100%	0.82

\* Recovery from multiple tests

## Gas Rates

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

# GLOBAL CEMENTING, L.L.C.

1542

EMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>11-27-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Hoffman</u>	WELL# <u>1</u>	LOCATION			COUNTY <u>Ellis</u>	STATE <u>KS</u>	<u>1:45 PM</u>
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR Sheilds  
 TYPE OF JOB Long string 2-stage  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE 5 1/2 DEPTH 3744  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 1500psi MINIMUM 1000psi  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS \_\_\_\_\_  
 DISPLACEMENT 91 3/4 bbl 33 86 bbl  
 EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Mark  
 # P1 HELPER Bruce  
 BULK TRUCK \_\_\_\_\_  
 # B4 DRIVER Jason  
 BULK TRUCK \_\_\_\_\_  
 # B3 DRIVER Mark

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 150 gal com 10% salt  
290 gal 2% plaster  
345 gal multi perms  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

REMARKS:

Ran 91 H<sub>2</sub>O of 5 1/2 casing and landing jt - est circulation and circulated 30 min - mix 500 gal mud flush and 150 gal - shut down and wash pump clean - release plug and disp 91 3/4 bbl plug landed @ 1500psi - released and float held - drop to dest and open @ 950psi - hook up and mix 295 gal multi perms and shut down release plug and disp 33.86 bbl - plug landed @ 1500psi - released and back plug RH = 305 gal MH = 335 gal

CHARGE TO: Stach Oil  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Cement Did Circulate !!

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

SERVICE

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE 10 @ \_\_\_\_\_  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

8-CENT @ \_\_\_\_\_  
2-baskets @ \_\_\_\_\_  
1-DU Tool @ \_\_\_\_\_  
1-AFU @ \_\_\_\_\_  
1-5 1/2 LD & Plug @ \_\_\_\_\_  
500 gal mud flush  
 TOTAL \_\_\_\_\_

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

# GLOBAL CEMENTING, L.L.C.

1520

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT: Russell KS

DATE <u>11-1-14</u>	SEC. <u>26</u>	TWP. <u>12S</u>	RANGE <u>17W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Hoffman</u>	WELL #. <u>1</u>		LOCATION	COUNTY <u>CO</u>		STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR Shields Drilling Right

TYPE OF JOB Surface

HOLE SIZE 10 1/2 T.D. 211 ft

CASING SIZE 8 1/2 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 # M CEMENTER Cody HELPER Brad

BULK TRUCK # BV DRIVER Jason

BULK TRUCK # DRIVER

REMARKS:  
Run 5 joints of 8 1/2 casing + landing joint Est. circulation  
100 lbs of cement 150 lbs Circulated Cement Displaced  
120 lbs of H2O than cement - 20 gals

CHARGE TO: Starr Oil CO

STREET 1607 Hopewell Rd

CITY Hays STATE KS ZIP 67601

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 150 lbs 3% 2 % gel

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE 14 @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS