



KANSAS CORPORATION COMMISSION 1091825  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1091825

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Staab Oil Co., a General Partnership
Well Name	Stackhouse 1
Doc ID	1091825

Tops

Name	Top	Datum
Anh	1517	+672
Base	1561	+628
Top	3212	-1023
Heebner	3443	-1254
Tor	3457	-1268
Lansing	3486	-1297
BKC	3722	-1533
Arb	3800	-1611
TD	3852	-1663

# Randall Kilian Corporation

Geologist



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

P.O. Box 26  
Hays, Kansas 67601-0026  
Phone: 785-628-6061  
Cell: 785-635-1349

## GEOLOGIST'S WELL REPORT

COMPANY STAAB OIL CO. (6037)

WELL Stackhouse #1

FIELD Wildcat

LOCATION (legal) Ap. NW NE NW SW  
(2465' FSL & 760' FWL)  
Section 13 TWP 12S RGE 19W

(Map) 7½ mi N & 4 mi W of  
I-70 Hays Exit

COUNTY Ellis STATE Kansas

ELEVATION: 2189' K.B., 2184' G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-051-26332

GEOLOGY BY Randall Kilian



## PERTINENT WELL DATA

CONTRACTOR Shields Oil Producers

RIG #2 HYDRAULICS Beth 225 6x14x56  
(Tom Engel TP)

DRILL PIPE 4 1/2" X-H COLLARS 6 1/2" 8 (233')

CASING: SURFACE 8 5/8" @ 225' w/ 150 sx Common

PRODUCTION \_\_\_\_\_

DRILLING FLUID: COMPANY Mud-Co/Service Mud Inc.  
(Gary Schmidtberger)

TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY Trilobite Testing Inc.  
(Dustin Rash)

NUMBER OF TESTS Three (3)

ELECTIC LOGS: COMPANY Pioneer Log-Tech Inc

DETAIL (5") 3150' - RTD

TYPE DI, Comp N-D, Micro

DRILLING TIME FROM 3150' TO RTD

SAMPLE TIME FROM 3150' TO RTD

SUPERVISION FROM 3150' TO RTD

VERTICAL DEVIATION 7/8° @ 228', 1° @ 3415',  
1° @ 3850'

PLUGGING REPORT 25 sx @ 3776', 25 @ 1540', 100 @ 840',  
40 @ 275', 10 @ 40', 30 Rat, 15 Mouse, 245 sx 60/40 Poz, Ed Schumacher  
RESERVE PIT 750 bbls., Chl. 47.000

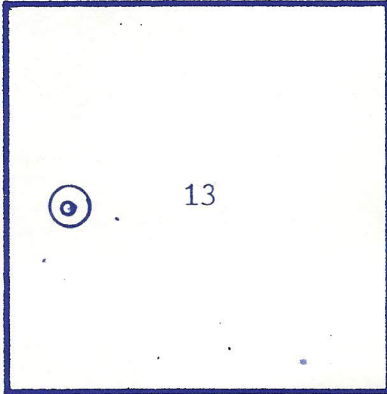




# FORMATION TOPS & STRUCTURAL GEOLOGY

R 19 W

T  
12  
S



**REFERRED TO:**

- A: TDI INC.
- Joy #1 NE NE NW 24
- B: \_\_\_\_\_
- C: \_\_\_\_\_
- D: \_\_\_\_\_
- E: \_\_\_\_\_



STRATIGRAPHIC MARKERS	SUBJECT WELL			STRUCTURAL POSITION				
	SAMPLE	E. LOG	DATUM	A	B	C	D	E
Anhydrite	1516'	1517'	+ 672					
Base	1561'	1561'	+ 628					
Topeka	3210'	3212'	-1023	-1032				
Heeb. Sh.	3442'	3443'	-1254	-1263				
Toronto	3457'	3457'	-1268	-1279				
Lansing	3485'	3486'	-1297	-1304				
BKc	3720'	3722'	-1533	-1542				
Arbuckle	3798'	3800'	-1611	-1621				
TD	3850'	3852'	-1663	-1669				

Pipe strap 1.01' short.

\*Structural position of subject well as compared to referred well



# DRILL STEM TESTS

NO	INTERVAL	IFF/TIME	ISIF/TIME	FFP/TIME	FSIF/TIME	IHP/FHP	RECOVERY
1	Top Plat 3397- 3415'	32# 96# 5"	1150# 60"	107# 367# 45"	1113# 75"	1699# 1661#	2' Oil 703' M,Wtr
2	Tor-C 3439- 3530'	43# 79# 5"	1185# 60"	100# 247# 60"	1125# 90"	1731# 1709#	144' G,Oil 248' GIP 248' O&G,C,M,Wtr 126' M,Wtr
3	LKc D-C 3530' 3590'	23# 34# 5"	1149# 60"	34# 66# 60"	973# 75"	1789# 1745#	2' Oil 110' M,Wtr
4							
5							
6							
7							
8							

MUD RECORD						
CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	2821'					
2	3269'	9.0	49	7.2	1.9k	22
3	3370'	9.3	49			
4	3439'	9.2	58	7.6	2.3k	23
5	3590'	9.2	54	7.2	2.3k	24
6	3773'	9.4	49	7.6	2.5k	22
7						
8						
9						
10						
11						

Displaced

LCM 2#  
LCM 2# \$5500

BIT RECORD						
NO	SIZE	MAKE	TYPE	DEPTH	FEET	HOURS
1	12 1/4"	Reed	RR	238'	238'	3 1/2
2	7 7/8"	Reed	S-52	3850'	3622'	96 1/4
3						
4						
5						
6						
7						



## SUMMARY

The Stackhouse #1 well was drilled with Shields Oil Producers tools rig #2 beginning 7-3-12 and drilling was completed 7-10-12.

The drill site was located via a 3-D seismic survey. The well ran ap. 10' high structurally to the nearest dry hole. Reservoir development was encountered in several LKc zones however, oil and water were recovered on all three (3) DST's.

The Arbuckle was also encountered high structurally but had no oil shows.

Based upon all data, the well was plugged as a dry hole.

Respectfully,

*Randy*

Randall Kilian





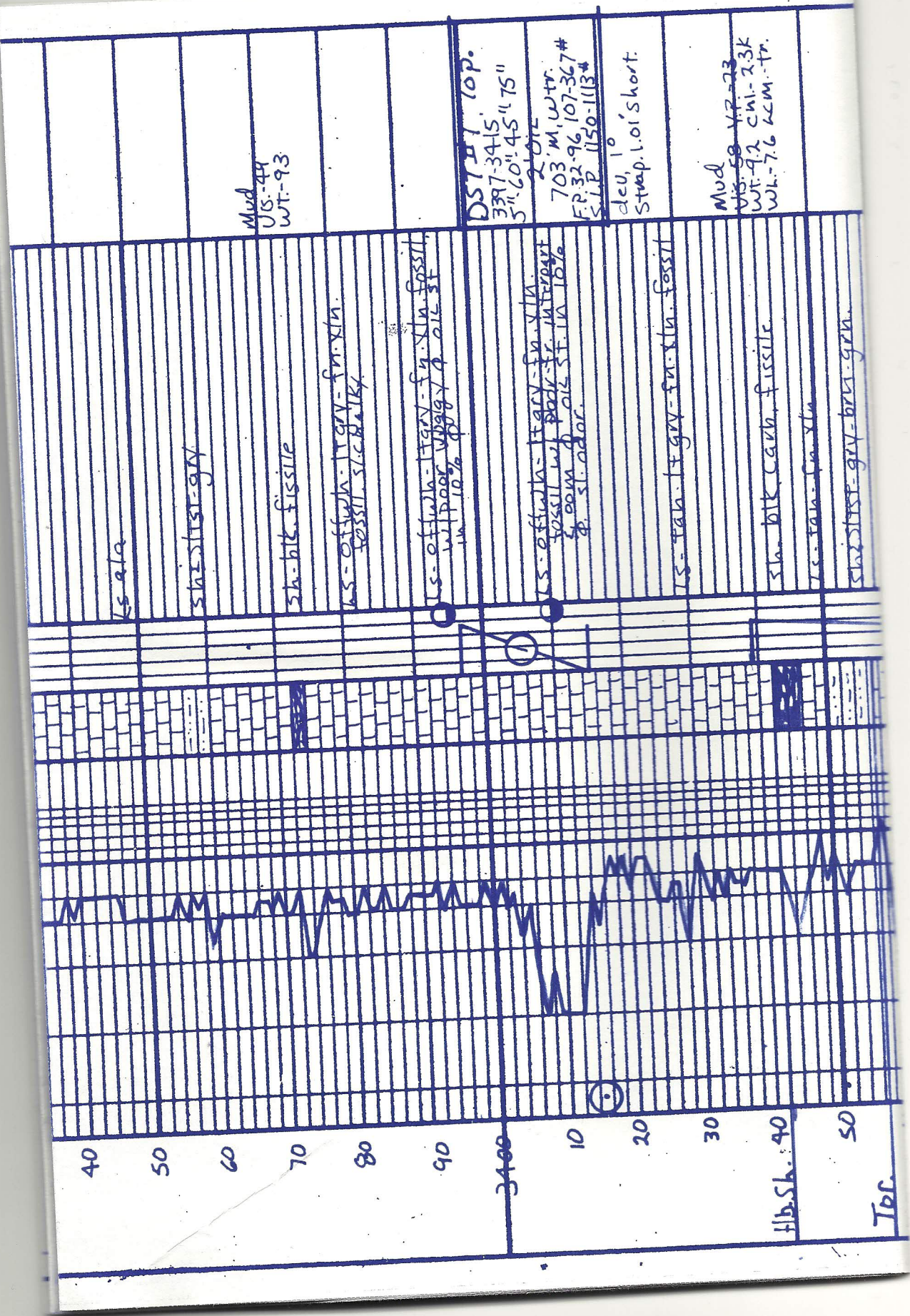


10 20 30 40 50 60 70 80 90 3300 10 20 30

SS - tan-brn-gry-fn. xln. fossil.  
LS a lg.  
sh. dark gray.  
LS - photo-tan-fn. xln. w/ poor-ly. interstrat. brown.  
sh-gry  
sh. siltst-gry-brn  
LS - tan-brn-gry-fn. xln. fossil.  
LS a lg.  
LS - tan-brn-gry-fn. xln. fossil. interstrat. of calc. & chalky.  
sh. dark gray-bk.  
sh. siltst-gry-brn-grn.  
LS - tan-brn-gry-fn. xln. fossil.

Mud  
Vis. 49 9.1.23  
WT. 9.0 CMI-19K  
WL. 7.2 LCM-fr.  
  
Mud  
Vis. 54  
WT. 9.0  
  
gro on location  
07:00 AM. 7-7-12

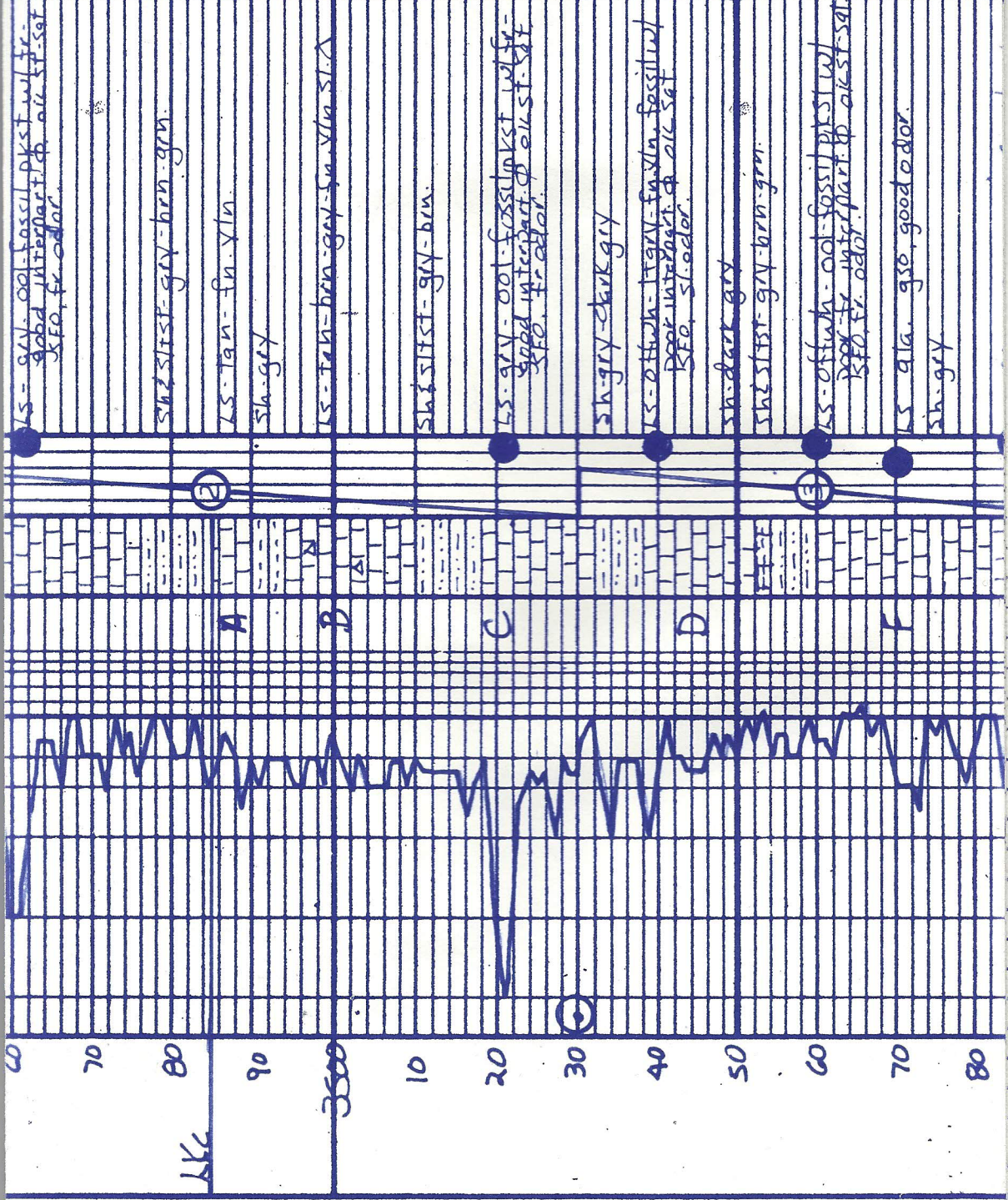






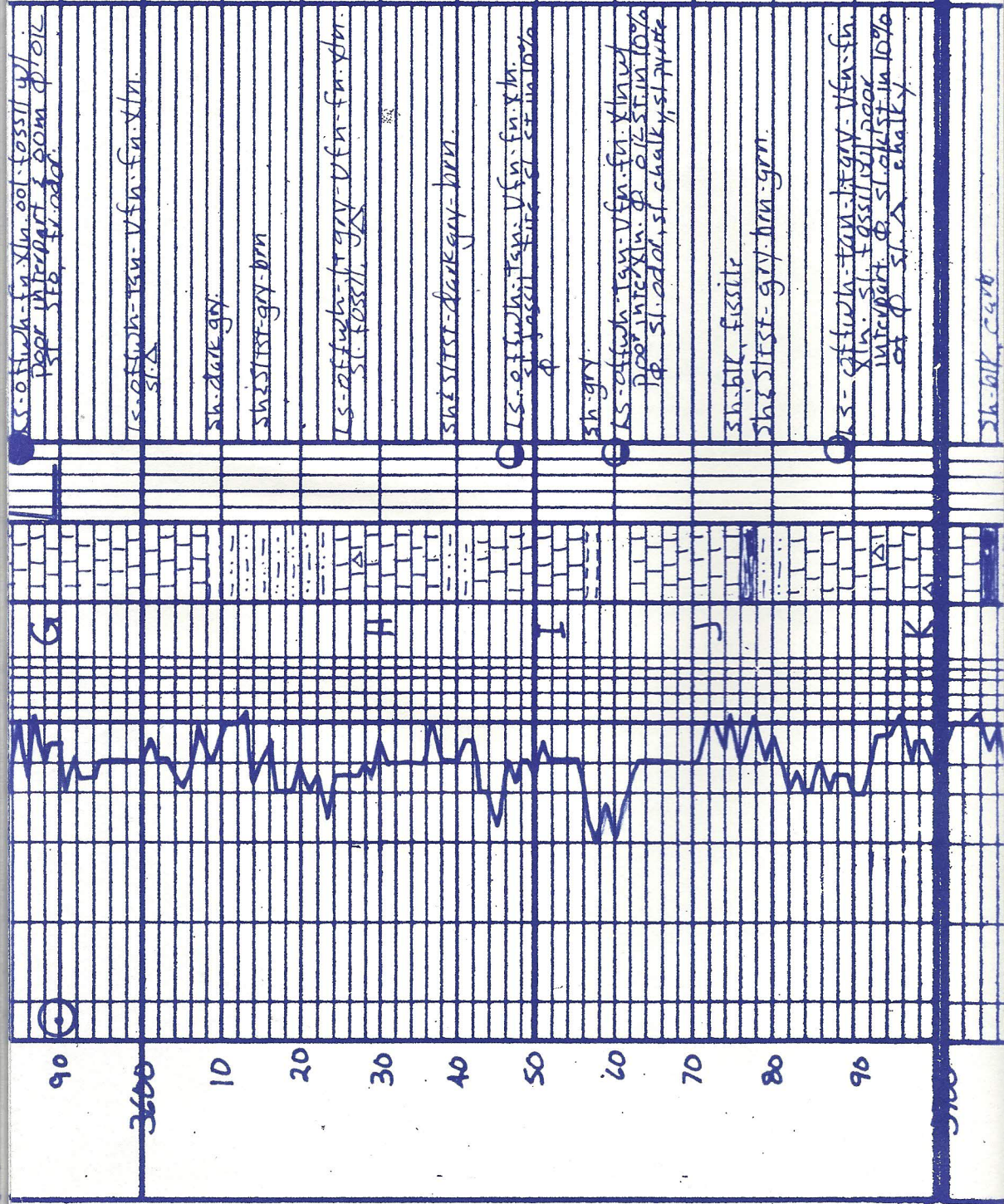
DST # 2 TOR-C  
 3439-3530"  
 S.I.P. 60:60:90"  
 240' G.I.P.  
 144' G.O.L  
 124' G.C.M. WTR.  
 124' O.W. MUD  
 126' M. WTR.  
 F.P. 43-74 100-247#  
 S.I.P. 1185-1125#

DST # 3 TOR-D-G  
 3530-90  
 S.I.P. 60:60:75"  
 210' G.I.P.  
 110' M. WTR.  
 F.P. 23-34 34-66#  
 S.I.P. 1149-975#

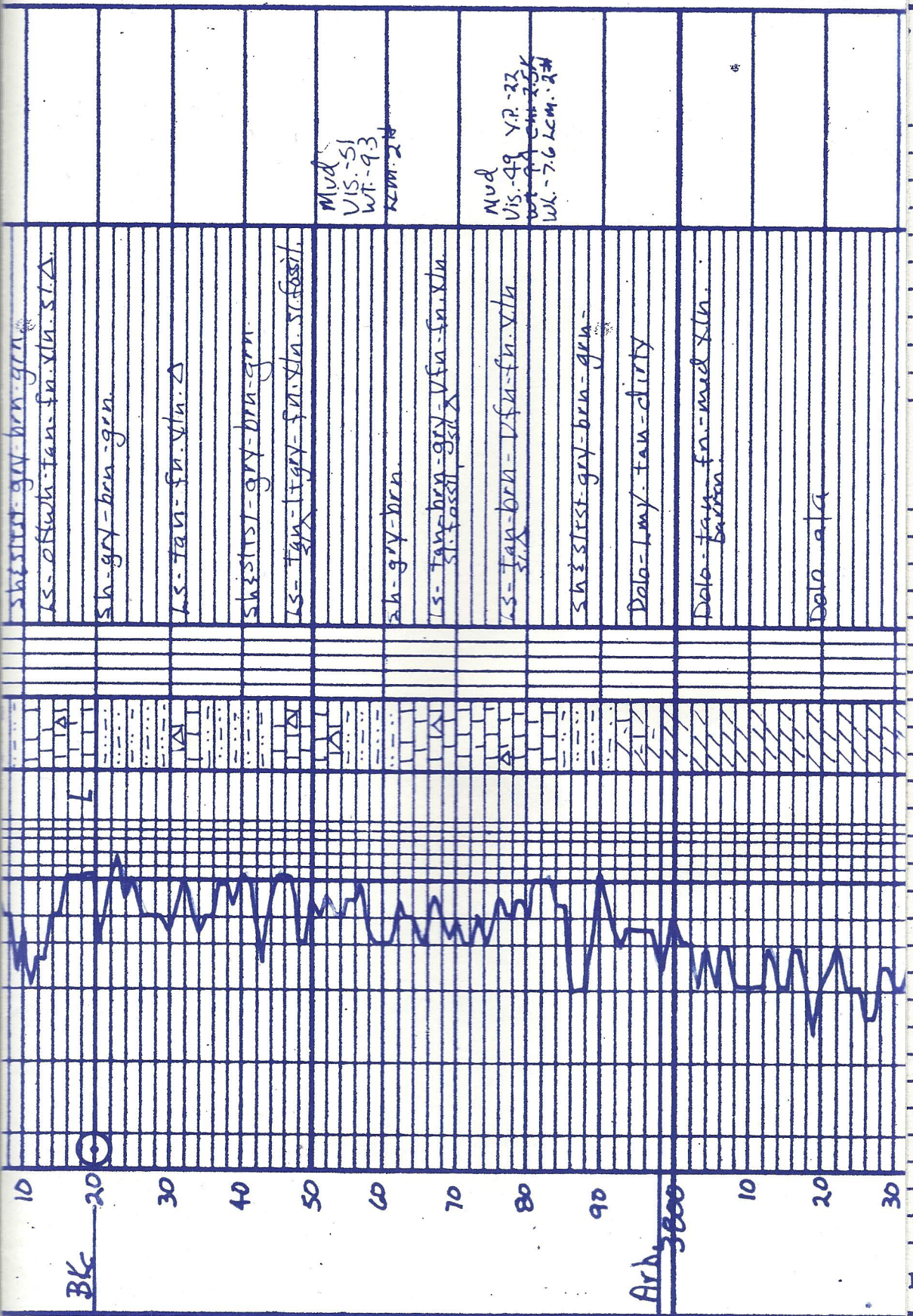




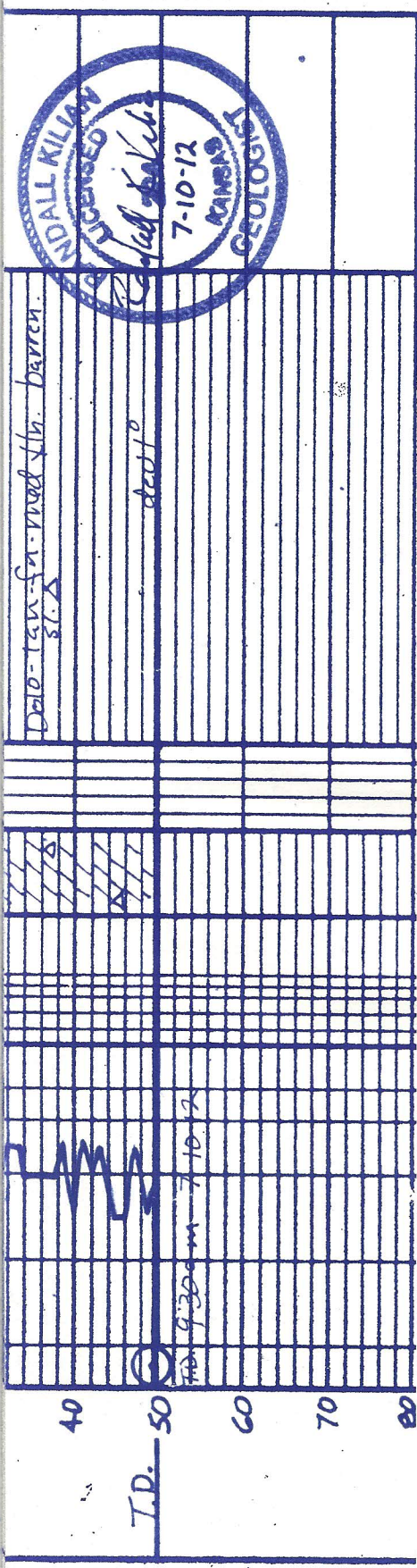
Mud  
 Vis-St 5M-1.3K  
 WT-9.2 YP-24  
 WK-7.2 LCM-2.4













# QUALITY WELL SERVICE, INC.

5601

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410  
Office / Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	7-3-12	Sec.	13	Twp.	12	Range	19	County	Ellis	State	KS	On Location		Finish	11:00-11:30pm		
Lease	Stackhouse		Well No.	1		Location Hay's, KS 8 N 40 W 1/2 NE 10											
Contractor								Owner									
Type Job								To Quality Well Service, Inc.									
Hole Size								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Csg.				Depth				Charge To									
Tbg. Size				Depth				Street									
Tool				Depth				City				State					
Cement Left in Csg.				Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line				Displace				Cement Amount Ordered									

**EQUIPMENT**

Pumptrk	No.	8		Cody	Common	150
Bulktrk	No.	4		m. 22	Poz. Mix	
Bulktrk	No.				Gel.	3
Pickup	No.				Calcium	5

**JOB SERVICES & REMARKS**

Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
Run 5 Hs of 8 5/8 casing & landing	CFL-117 or CD110 CAF 38
It	Sand
	Handling 158
	Mileage 13

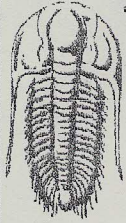
**FLOAT EQUIPMENT**

Est Circulation with mud pump	Guide Shoe
Hook up and mix 150sx - shut down	Centralizer
Release plug and disp 13.5 bbl	Baskets
H2O - Shut in @ 300 psi	AFU Inserts
	Float Shoe
	Latch Down
Cement did circulate!!	8 5/8 would <del>be</del> Plug

Thank You!!	Pumptrk Charge	Surface
	Mileage	13
	Tax	
	Discount	
	Total Charge	

X Signature *Thomas King*





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Staab Oil Company

13/12S/19W-Ellis

1607 Hopewell Rd.  
Hays, KS 67601

Stackhouse #1

Job Ticket: 47962

DST#: 1

ATTN: Randy Killian

Test Start: 2012.07.07 @ 18:59:15

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

48000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.14 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbbl
593.00	95% Water	5.075
110.00	80% Water/20% Mud	1.543
2.00	100% Oil	0.028

Total Length: 705.00 ft

Total Volume: 6.646 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

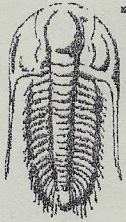
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Staab Oil Company

13/12S/19W-Ellis

1607 Hopewell Rd.  
Hays, KS 67601

Stackhouse #1

Job Ticket: 47963

DST#: 2

ATTN: Randy Killian

Test Start: 2012.07.08 @ 15:02:30

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	35000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.18 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	70% Water/30% Mud	0.892
124.00	5% Oil/45% Water/50% Mud	0.878
124.00	10% Gas/5% Oil/50% Water/35% Mud	0.878
144.00	40% Gas/50% Oil/5% Water/5% Mud	1.374
0.00	248' G.I.P.	0.000

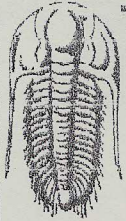
Total Length: 518.00 ft      Total Volume: 4.022 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:





TRILOBITE  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Staab Oil Company

13/12S/19W-Ellis

1607 Hopewell Rd.  
Hays, KS 67801

Stackhouse #1

Job Ticket: 47964

DST#: 3

ATTN: Randy Killian

Test Start: 2012.07.09 @ 08:01:30

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	30000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.20 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	75% Water/25% Mud	0.779
2.00	100% Oil	0.014

Total Length: 112.00 ft      Total Volume: 0.793 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:



# QUALITY WELL SERVICE, INC.

5604

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410

Office / Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	7-10-12	Sec.	13	Twp.	12	Range	19	County	ELLIS	State	KS	On Location		Finish	11:00pm - 11:30pm
Lease	Stark house	Well No.	1		Location Heath's ks 8 N 4 W 1/2 N F. 10										
Contractor	Sheilds				Plug				Owner To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Type Job	Rotary Plug				T.D.				3850						
Hole Size					Depth				Charge To Staab Oil Co						
Csg.					Depth				Street						
Tbg. Size					Depth				City State						
Tool					Depth				City State						
Cement Left in Csg.					Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.						
Meas Line					Displace				Cement Amount Ordered 245 sx 60/40 4 1/2 # F10						
<b>EQUIPMENT</b>															
Pumptrk	No.	8		Cody		Common				150					
Bulktrk	No.	5		Soan		Poz. Mix				95					
Bulktrk	No.					Gel.				8					
Pickup	No.					Calcium									
<b>JOB SERVICES &amp; REMARKS</b>															
Rat Hole	30 SX				Hulls										
Mouse Hole	15 SX				Salt										
Centralizers					Flowseal				1125						
Baskets					Kol-Seal										
D/V or Port Collar					Mud CLR 48										
					CFL-117 or CD110 CAF 38										
					Sand										
1st Plug	@ 3776 = 25 SX				Handling				253						
2nd Plug	@ 1540 = 25 SX				Mileage				13						
3rd Plug	@ 840 = 100 SX				<b>FLOAT EQUIPMENT</b>										
4th Plug	@ 275 = 40 SX				Guide Shoe										
	40 SX = wiper plug				Centralizer										
					Baskets										
					AFU Inserts										
					Float Shoe										
					Latch Down										
									3 5/8 Dry hole plug						
					Pumptrk Charge				K.L. 100						
					Mileage				13						
Thank You												Tax			
												Discount			
Signature												Total Charge			