



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: _____

1167684

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 Bbbs.	Gas Mcf	Water Bbbs.	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	Frank 1
Doc ID	1167684

Tops

Name	Top	Datum
anhydrite	1802	+541
base	1843	+500
topeka	3458	-1115
heebner	3690	-1347
lansing	3722	-1379
BKC	3972	-1629
marmaton	4076	-1733
cherokee shale	4127	-1784
cherokee sand	4172	-1829
mississippi	4208	-1865
T.D.	4274	-1931



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

TICKET NUMBER 44299
LOCATION Oakley Ks
FOREMAN Walt Diakal
Damon Miller

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-31-13	7932	Frank #1	27	135	27	Troy
CUSTOMER Stable Oil			Agallat.			
MAILING ADDRESS			5-5 1 W 1 1/2 E.S.			
CITY		STATE	ZIP CODE			

TRUCK #	DRIVER	TRUCK #	DRIVER
399	Dana Ragsdale		
397	Cody Ragsdale		
529-T129	Jordan Ragsdale		
	Steven Ragsdale		

JOB TYPE Prod HOLE SIZE 7 1/2" HOLE DEPTH 4274' CASING SIZE & WEIGHT 5 1/2" 14.
CASING DEPTH 4270' DRILL PIPE _____ TUBING _____ OTHER DV 1371'
SLURRY WEIGHT 142.12 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 32'
DISPLACEMENT 102 1/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE 6 BPM

REMARKS: Safety Meeting, rig up on Shields Dale, run Float Equipment
cont. 6-10-12-14-16-18-20, Basket on 13-69, DV Tool on top of 69, Circ casing
on bottom. hours, ~~mix~~ pump 50 gal Mud Flush, mix
150 sks cement, 10% salt, 2% gel, clear Pump + Lines, release Plug + Displace 60 BPM
42 1/2 BPM, water @ 750#, Lift Pressure, Landed @ 1200#, release Pressure, Float held
Open DV Tool, Circ 1 1/2 Hrs, mixed 30 sks in R.H., 20 sks in L.H.
Mixed 350 sks 60% gel, 5% salt, 1/2# Flo-Sol, Clear Pump + Lines, release
Plug + Displace 46 BPM, water @ 650#, Landed @ 1500#, release, held
Cement D.O. Circ
Approx 20 BPM to Pit
Thank You
Walt-Damon + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401P	1	PUMP CHARGE	2050.00	2050.00
5406	40	MILEAGE	5.25	210.00
5407A	24.25	Tow Mileage Delivery	1.25	1,697.60
1104S	150 sks	Class A Cement	18.55	2,782.50
1111	717 #	Salt	.50	358.50
1131	400 sks	60% gel	15.86	6,344.00
1118B	3,034 #	gel	.27	819.18
1107	100 #	Flo-Sol	2.97	297.00
11446	500 gal	Mud Flush	1.00	500.00
4159	1	5 1/2 - AFC) Float shoe	433.25	433.25
4130	8	5 1/2 - Centralizers	61.00	488.00
4104	2	5 1/2 - Basket	297.00	594.00
4283	1	5 1/2 - DV Tool w/ Latched down	4042.50	4,042.50
				21,403.03
				- 2140.30
				19,262.73

Ravin 3737
SALES TAX
ESTIMATED
TOTAL
AUTHORIZATION Stable Oil Co Todd Hank TITLE _____ DATE 8-31-13

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7361

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-23-13	27	13	22	Trego	KS		12:45 A.M.

Location *Cogalah-55 R/P 1/4 to 3/4 1/2 S ETC*

Lease <i>Frank</i>	Well No. <i>1</i>	Owner
Contractor <i>S. D. S.</i>		To Quality Oilwell Cementing, 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 <i>5-1/2" Reel</i>		
Hole Size <i>12 1/4</i>	T.D. <i>224</i>	Charge To <i>Stack Oil</i>
Csg. <i>8 5/8</i>	Depth <i>221</i>	Street
Tbg. Size	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. <i>15</i>	Shoe Joint	Cement Amount Ordered <i>150 Lbs 3/100 2/100</i>
Meas Line	Displace <i>1380</i>	

EQUIPMENT

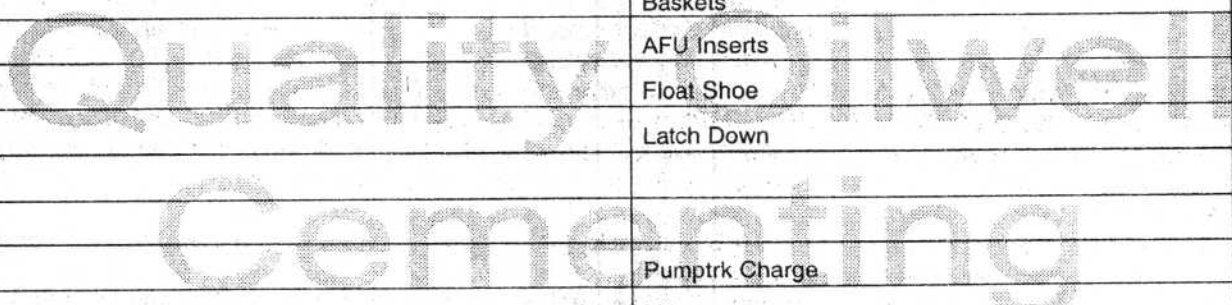
Pumptrk <i>17</i>	No.	Cementer	Common
		Helper	
Bulktrk	No.	Driver	Poz. Mix
		Driver	
Bulktrk <i>8</i>	No.	Driver	Gel.
		Driver	
		Driver	Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<i>8 5/8 on bottom P.S. Centralizer</i>	Sand
<i>AT = 150 Lbs 3/100 2/100</i>	Handling
<i>Cement (Cogalah 102)</i>	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer <i>8 5/8 Surge</i>
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge
	Mileage



X Signature	Tax
	Discount
	Total Charge

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Staab Oil Company

27-13s-22w Trego, KS

1607 Hopewell Rd.
Hays, KS 67601

Frank #1

Job Ticket: 54392

DST#: 1

ATTN: Marc Downing

Test Start: 2013.08.27 @ 22:08:39

GENERAL INFORMATION:

Formation: **C&D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:06:49

Time Test Ended: 06:21:29

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 41

Interval: **3771.00 ft (KB) To 3818.00 ft (KB) (TVD)**

Total Depth: 3818.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2342.00 ft (KB)

2337.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6752** Inside

Press@RunDepth: 160.79 psig @ 3772.00 ft (KB)

Start Date: 2013.08.27

End Date: 2013.08.28

Capacity: 8000.00 psig

Last Calib.: 2013.08.28

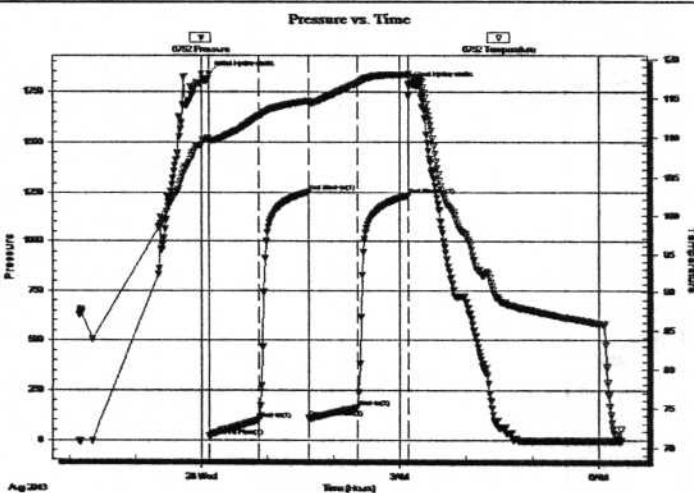
Start Time: 22:08:40

End Time: 06:21:29

Time On Btm: 2013.08.28 @ 00:06:39

Time Off Btm: 2013.08.28 @ 03:07:29

TEST COMMENT: B.O.B. In 17 mins.
Weak surface blow back built to 2 1/4 in.
B.O.B. In 18 mins.
Weak surface blow back built to 2 1/4 in.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1834.74	110.04	Initial Hydro-static
1	21.00	109.57	Open To Flow (1)
46	98.69	112.81	Shut-In(1)
91	1253.89	114.75	End Shut-In(1)
91	107.93	114.55	Open To Flow (2)
135	160.79	117.00	Shut-In(2)
181	1234.56	118.02	End Shut-In(2)
181	1781.66	118.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
404.00	10%G 90%O	2.86
62.00	5%G 80%O 15%M	0.44
0.00	310 GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Staab Oil Company

27-13s-22w Trego, KS

1607 Hopewell Rd.
Hays, KS 67601

Frank #1

Job Ticket: 54393

DST#: 2

ATTN: Marc Downing

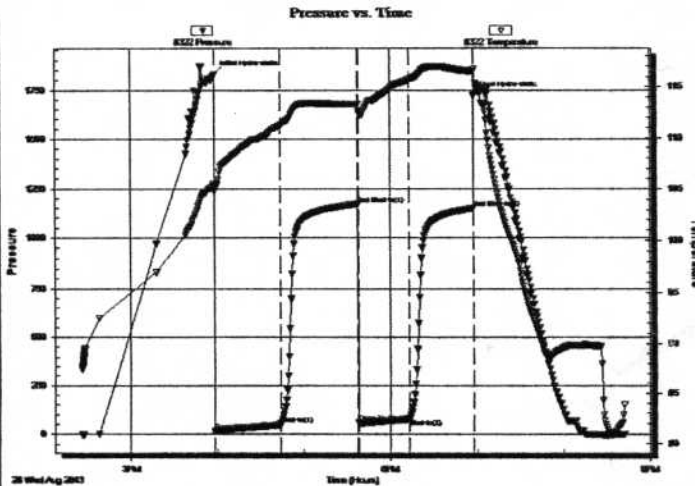
Test Start: 2013.08.28 @ 14:25:50

GENERAL INFORMATION:

Formation: **E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:58:10
 Time Test Ended: 20:42:29
 Interval: **3814.00 ft (KB) To 3833.00 ft (KB) (TVD)**
 Total Depth: 3833.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tate Lang
 Unit No: 41
 Reference Elevations: 2342.00 ft (KB)
 2337.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: **8322** Outside
 Press@RunDepth: 78.16 psig @ 3815.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.28 End Date: 2013.08.28 Last Calib.: 2013.08.28
 Start Time: 14:25:51 End Time: 20:42:30 Time On Btm: 2013.08.28 @ 15:58:00
 Time Off Btm: 2013.08.28 @ 18:57:50

TEST COMMENT: B.O.B. in 20 mins.
 Weak surface blow back built to 1/2 in. died back to 1/4 in.
 B.O.B. in 13 mins.
 Weak surface blow back built to 1 1/2 in.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1828.41	105.59	Initial Hydro-static
1	16.74	104.86	Open To Flow (1)
46	48.19	111.21	Shut-In(1)
100	1172.33	113.32	End Shut-In(1)
101	59.51	112.58	Open To Flow (2)
136	78.16	115.74	Shut-In(2)
180	1150.66	116.55	End Shut-In(2)
180	1723.64	116.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	30%G 40%O 30%M	0.42
60.00	5%G 45%O 40%M	0.42
60.00	2%G 98%O	0.42
0.00	620 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Staab Oil Company

27-13s-22w Trego, KS

1607 Hopewell Rd.
Hays, KS 67601

Frank #1

Job Ticket: 54394

DST#: 3

ATTN: Marc Downing

Test Start: 2013.08.30 @ 08:08:02

GENERAL INFORMATION:

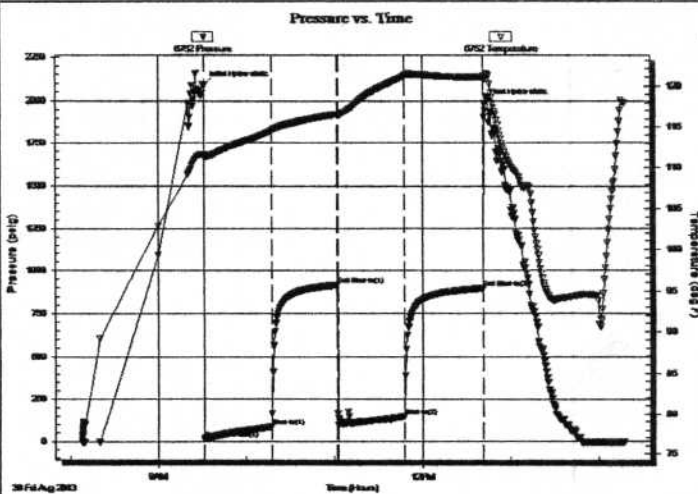
Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:31:22
 Tester: Tate Lang
 Time Test Ended: 14:17:11
 Unit No: 41
 Interval: 4142.00 ft (KB) To 4208.00 ft (KB) (TVD)
 Reference Elevations: 2342.00 ft (KB)
 Total Depth: 4208.00 ft (KB) (TVD)
 2337.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 151.25 psig @ 4143.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.30 End Date: 2013.08.30 Last Calib.: 2013.08.30
 Start Time: 08:08:03 End Time: 14:17:12 Time On Btm: 2013.08.30 @ 09:31:12
 Time Off Btm: 2013.08.30 @ 12:41:32

TEST COMMENT: Good surface blow built to 8 1/2 in.
 Dead no blow back
 Fair surface blow built to 5 in.
 Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2086.29	111.71	Initial Hydro-static
1	173.30	111.26	Open To Flow (1)
47	88.94	114.59	Shut-In(1)
91	918.66	116.60	End Shut-In(1)
92	98.34	116.45	Open To Flow (2)
137	151.25	121.19	Shut-In(2)
190	901.67	121.04	End Shut-In(2)
191	1984.88	121.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	2%O 40%W 58%M	0.85
120.00	3%O 10%W 87%M	0.85
30.00	5%O 95%M	0.21
0.00	90 GIP	0.00

* Recovery from multiple tests

Gas Rates

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

Marc Downing

Consulting Petroleum Geologist
1411 Washington Circle
Hays, Ks 67601

Phone: 620-428-1356 (cell) 785-621-2286

GEOLOGIC REPORT LOG

COMPANY **STAAB OIL CO.**

WELL **FRANK #1**

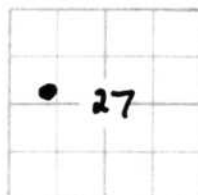
FIELD **WILDCAT**

LOCATION **2245' FNL § 1305' FWL**

SEC. **27** TWP. **13S** RGE. **22W**

COUNTY **TREGO**

STATE **KANSAS**



PRODUCTION **LKC-CHEE.**

ELEVATION KB **2343**

DF

GL **2338**

Drilling Measured From: **KB**

Samples Saved From **3700** To: **TD**

Drilling Time From **3350** To: **TD**

Samples Examined From: **3700** To: **TD**

Geological Supervision From **3700** To Total Depth

Wellsite Geologist **MARC DOWNING - R. NELSON**

Electrical Surveys **PIONEER WIRELINE -**

**DUAL POROSITY, DUAL IAD,
MICRO**

OPERATOR **STAAB OIL**

CONTRACTOR **SHIELD'S DRILLING**

COMM: **8-21-13** COMP: **8-31-13**

CASING RECORD

SURF: **8 5/8" @ 221'** PROD:

TOTAL DEPTH DRILLERS: **4305'**

TOTAL DEPTH LOG: **4274'**

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
TOP ANHYDRITE		1802	+541	-11
BASE ANHYDRITE		1843	+500	-9
TOPEKA	3488	3458	-1115	FL
HARBOR	3721	3690	-1347	+5
LKC	3784	3722	-1379	+4
BKC	4001	3972	-1629	FL
MARMATON	4104	4076	-1733	+2
CHEROKEE SHALE	4158	4127	-1784	FL
CHEROKEE SAND	4201	4172	-1829	-2
MISSISSIPPI (CONG. CHEST)	4237	4208	-1865	-16

REFERENCE WELL FOR STRUCTURE **STAAB OIL'S MORG-BENNO #1 @**
500' FSL § 2130' FEL 29-13-22

LEGEND



Anhydrite



Salt



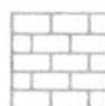
Sandstone



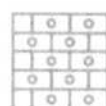
Shale



Carb sh



Limestone




Ool.Lime

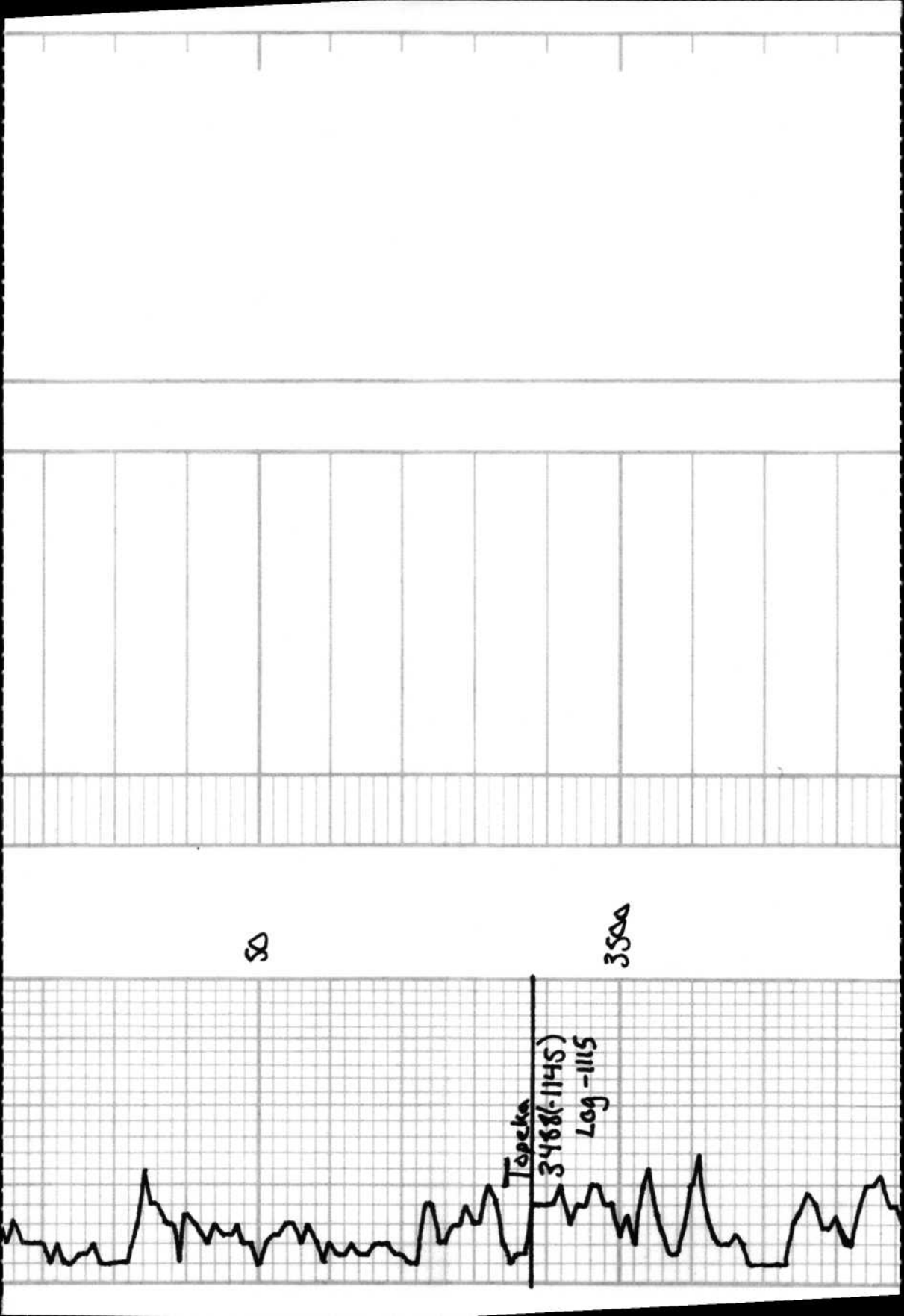


Chert



Dolomite

DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases 	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
	3350				
	3400				



80

3500

Topoka
3468(-1145)
Log -1115

50

3600

50

* Error Found in board
of 30.20' too long.
Geograph not adjusted.

★ NOTE - ALL TOPS APP 30' OFF
DUE TO PIPE TALLY. LOG TOPS
ARE CORRECT

3700

LS: tom. wht, Fess,
Scat ungs. Rx mtd
in prt, All NS.

HEEBNER

3721(-1378)
LOG -1347

Sh: Black Carb

Sh: gry

LS: wht, Fun xln, scat
prg wh wht cnts, NS.

50

Sh: gry

LS: wht, v fun xln +
dms, prg, NS.

LS: wht, AIA, Snc in
prt. Much Sh wht
cnts, All NS.

Sh: drk gry

Vis: 47 wt: 9.1

DST #1

3771 - 3818

45 - 45 - 45 - 45

I.F. - 808 17 min / 2 1/4" SIB

F.F. - 808 18 min / 2 1/4" SIB

IFP: 21.99

FFP: 108-101

SIP: 1254-1235

HP: 1935 - 1782

REL:

310' GIP

400' GA 90%

D
S



3800

CFS ⊙

CFS ⊙

50

3900

DST # 2

1

LS: tan, fm xln. Foss sunl foss, mostly sun. gd int xln & ul sunl vngs, gd sat, ul gd sfo, frnt - 11' ad. some total sat. Fr ant int foss & ul gd sat & sfo

Sh: gr

LS: wht, fm xln, mostly pr & tife. Fr ant rx Carry from "C" zone.

Sh: gr ul brn

LS: wht & tan. md xln, foss, sat delam. Fr. gd int foss & ul vngs, fr ant sub xln rx, shllng in pr. gd sat str, gd sfo, fr ad

Sh: gr

LS: 1/2 pes tan - wh. sl ool. w/ frintool & pp. USSfo. rare spf str r2f1a. bl. mst - frag tot barren NS

Sh blk vdgry

LS wh fwpes sl ool - foss w/ fr intool p. USSfo. Blk spf sld str no od

trng tan-wh. mic xyl w/ v BNS pr - v pr int xyl p NS

v BNS wh - tan mic xyl w/ LS NS

Sh blk carb

Sh orgry

LS tan - gr v fm gr mic xyl w/ v pr xyl p NS

Sh gr bk

62' GMA 57%, 86% O
BHT: 117° G = NA

DST # 2
3814-3833'
45"-45"-45"-46"
12" op BOB 20"
SI 1/2"
2nd op BOB 13"
SI 1 1/2"

IFP 17-48
FFP 60-78
SIP 1172-1151
HP 1828-1724
Rec 620' g ip
60' gassy oil
120' mud cut gassy oil
BHT 117° Gravity 21

CLOCK STOPPED

CE5 © 50

BKC -1658
Log -1629

4000

grly dr. qry sh

LS tan 1-2 pss slool fassy
spid. sch. brn sm vvs to
inst. l. sh. xylbr pr pns

w/ v. dr. qry sh

LS tan wh drs pr xylbr
NS

w/ sh qry brn

tan m. xylbr wh LS
CRK m. pns pr pns

ch. tan wh qry

sh dr. qry
BLK CARB

LS tan wh - H. qry sh xylbr
pr xylbr ad.

LS sm ch. qry sm sh xylbr
pr pns.

sm ch. tan wh

SHRO, brn. qry

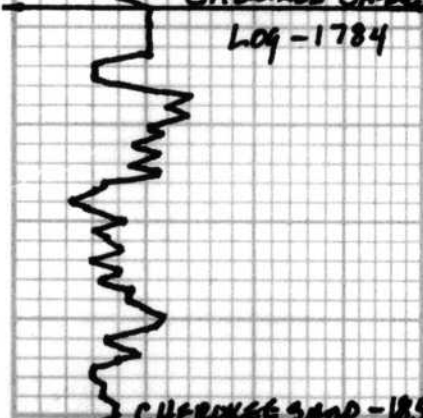
LS tan - qry. sm rd arg
pr xylbr NS f. tan pr pns

abnt sh qry v. dr. qry

tan drs sh xylbr NS pr pns

GREENE SHALE - 1875

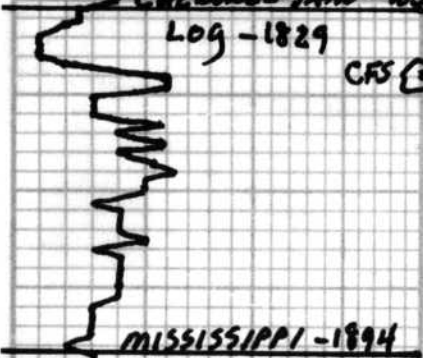
Log - 1784



CHEROKEE SAND - 1858 4200

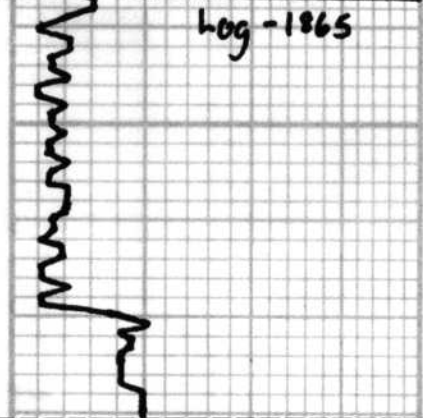
Log - 1829

CFS (D)



MISSISSIPPI - 1894

Log - 1865



9
7

3

sh blue carb
 sh blue gry dk gry
 Ben
 shs as above v gumag
 sticky
 dk tan-gry v fine grained as
 sh dk gry
 Lstron - wh. fm sandy ls pec
 all light dms probas
 sh dk gry
 lg. sm con glauc. sm cln grs cln prns
 elstrs sh - me to sand but sto, ad
 od sub spid sm, friable sm cln
 gry sh loose grns
 fms elstrs with long w/ om frce
 grns as.
 abndt gry, dk gry sh
 shs aa
 var color ch. no. wh. fm.
 op. ben prng shp frst
 qd prob fract. 1-2 w spf
 blk sm nsto
 ch as above
 ch aa
 gry sh
 v dms tan-gry micrgrw
 ls pr 1200 as.

50

I.F. - 8 1/2' blow
 F.F. - 5" blow
 IFF: 87-89
 FFP: 98-101
 SIA: 919-902
 HP: 2026-1985

Rec:

90' GIP
 30' OCM 5% o
 120' OCM 3% o, 10% w
 120' OCM 2% o, 40% w

BHT: 121°



CTCH ① 4300

RTD -1962

LTD -1931

Rig was 1 ft. off
during drilling.

DRILL TIME NOT CORRECTED

a c w/ shs. Ectf
vs.

ABOUT SHS GRAY BAN

Ron Nelson