



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1211072
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: _____

1211072

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)* _____

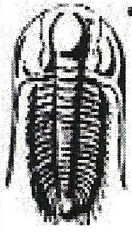
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Staab Oil Co., a General Partnership
Well Name	SEC 3
Doc ID	1211072

Tops

Name	Top	Datum
Anh	1335	+782
Base	1375	+742
Topeka	3104	-987
Heebner	3341	-1224
Toronto	3361	-1244
Lansing	3385	-1268
BKC	3615	-1498
Arbuckle	3649	-1532
TD	3730	-1614



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

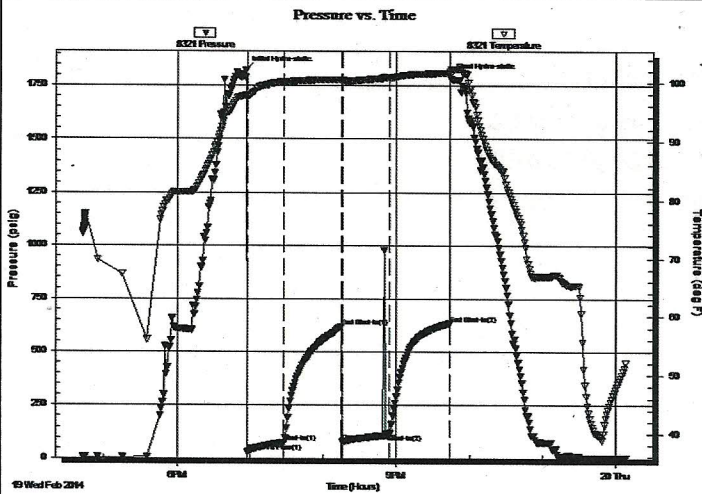
28-12s-17w Ellis, KS
SEC #3
Job Ticket: 54008 **DST#: 1**
Test Start: 2014.02.19 @ 16:42:26

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:57:56
Time Test Ended: 00:07:56
Interval: **3610.00 ft (KB) To 3667.00 ft (KB) (TVD)**
Total Depth: 3730.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2117.00 ft (KB)
2110.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8321 Inside
Press@RunDepth: 114.59 psig @ 3648.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.02.19 End Date: 2014.02.20 Last Calib.: 2014.02.20
Start Time: 16:42:27 End Time: 00:07:56 Time On Btm: 2014.02.19 @ 18:56:26
Time Off Btm: 2014.02.19 @ 21:43:56

TEST COMMENT: 30- IF- Slowly built to 8"
45- IS- Surface blow died in 9 mins
30- FF- Slowly built to 6"
60- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1823.89	97.78	Initial Hydro-static
2	30.37	97.51	Open To Flow (1)
32	75.01	100.13	Shut-In(1)
79	617.10	100.55	End Shut-In(1)
79	79.54	100.42	Open To Flow (2)
118	114.59	100.83	Shut-In(2)
167	632.94	101.66	End Shut-In(2)
168	1792.37	101.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	SMCO, 95%O	0.70
125.00	OCM, 80%M	0.92
0.00	35' GIP	0.00

Gas Rates

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

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. 7102

Date 2-13-14	Sec. 28	Twp. 12	Range 17	County Ellis	State KS	On Location	Finish 10:30AM
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Location **weld tech, 4N, 1/2W, sin 2**

Lease sec Sec	Well No. 3	Owner
Contractor Shields		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 Surface		
Hole Size 12 1/4	T.D. 222	Charge To Staab Oil Company
Csg. 8 5/8	Depth 219	Street
Tbg. Size	Depth	City
Tool	Depth	State
Cement Left in Csg.	Shoe Joint 20	The above was done to satisfaction and supervision of owner agent or contractor.
		Cement Amount Ordered 150 sx com 3 & 2

Meas Line Displace **12 1/2 bbl**

EQUIPMENT

Pumptrk 17	No.	Cementer	Common 150
		Helper Nick	Poz. Mix
Bulktrk 9	No.	Driver	Gel. 3
		Driver Doug	Calcium 5
Bulktrk Pu	No.	Driver	
		Driver Travis	

JOB SERVICES & REMARKS

Remarks: cement did circulate	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
	Sand
	Handling 158
	Mileage

FLOAT EQUIPMENT

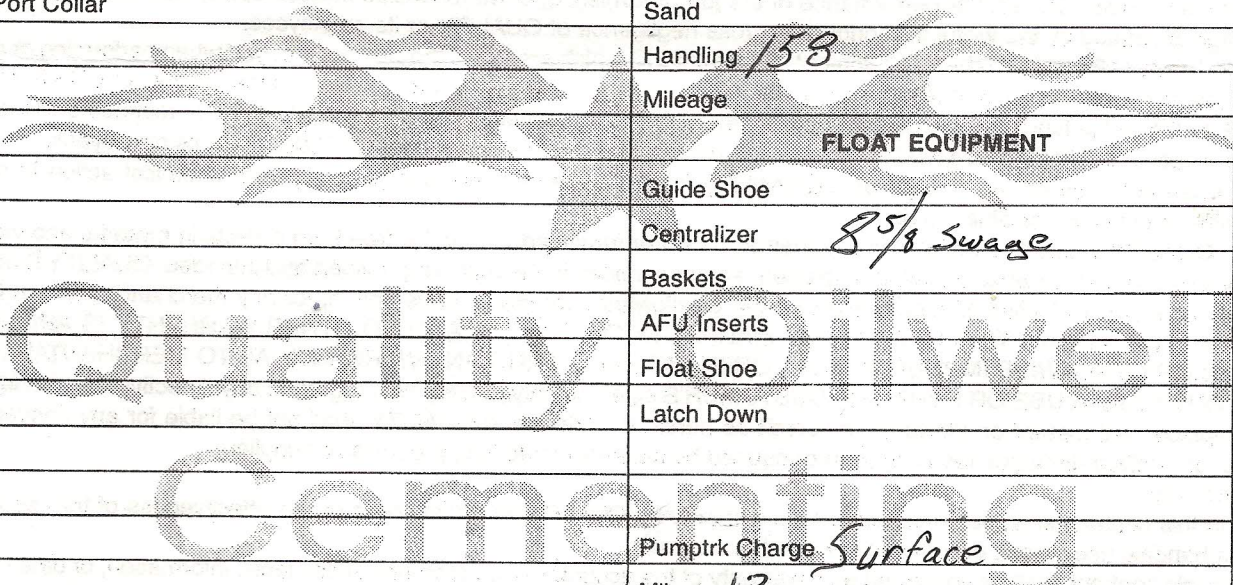
Guide Shoe
Centralizer 8 5/8 Swage
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge **Surface**

Mileage **3**

X Signature **George Begler**

Tax
Discount
Total Charge



Date 2-20-14 District Russell Ticket No. 54985
 Company Stagab Oil Rig Shields
 Lease SEC Well No. 3
 County Ellis State KS
 Location Catherine KS 1E 4W Field _____
1/2 W Sinto

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 5 1/2 Type _____ Weight 14 Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 3730 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type ASC 5th Gelson
 Excess 2070

Amt. 300 Skys Yield 1.57 ft³/sk Density 14.5 PPG

TAIL: Pump Time _____ hrs. Type Acon
 Excess 3070

Amt. 200 Skys Yield 2.45 ft³/sk Density 12 PPG
 WATER: Lead 7.23 gals/sk Tail 14.42 gals/sk Total _____ Bbls.

Pump Trucks Used 409-Nathan D
 Bulk Equip. 481-Kevin R
378-Jesse C

Float Equip: Manufacturer Weatherford
 Shoe: Type AFU Depth 3730

Float: Type _____ Depth _____
 Centralizers: Quantity 8 Plugs Top _____ Btm. _____

Stage Collars Weatherford 1378
 Special Equip. _____

Disp. Fluid Type Water Amt. _____ Bbls. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Stagab Oil Co Todd Stock CEMENTER Bill

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
						on location - safety meeting
						run 98' of 5 1/2" 19" csg
						centralizers on 4, 6, 8, 10, 12, 63, 65
						bits on 2, 67 DV tool @ 1378
439 pm	100 ⁺		52	52	2	circulate with mud pump
500 pm	2000 ⁺		90.25			mix 300 sk ASC + 5 th G. 1/2"
						displace plug
						Drop dart
547 pm	900 ⁺		14			open DV tool
						circulate with mud pump
			10			mix 30 sts Acon in bit hole
			7			mix 20 sts Acon in house hole
730 pm			52			mix 150 sts Acon down hole @ 12"
742 pm	2000 ⁺		300			displace with water
						wash up
						tear down
						leave location

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs. THANK YOU

A.P.I.# 15-051-26668-00-00

GEOLOGICAL REPORT
 DRILLING TIME AND SAMPLE LOG

COMPANY Staab Oil Company
 LEASE SEC # 3
 FIELD Schmeidler
 LOCATION 1620' FNL + 1645' FWL
 SEC 28 TWSP 125 RGE 17W
 COUNTY Ellis STATE Kansas

ELEVATION
 KB 2117'
 DF _____
 GL 2112'
 Depths Measured From
 Log KB Drilling KB

CONTRACTOR Shields Drilling Co., Inc.
 SPUD 2-12-14 COMP 2-20-14
 SAMPLES SAVED FROM 3090' TO R.T.D.

CASING
 Surface 8 5/8" @ 219'
 Production 5 1/2"

ELECTRIC LOGS
Pioneer

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
				●			
Anhydrite	1334	1335	+ 782	+ 791			
Base Anhydrite	1375	1375	+ 742	+ 750			
Topeka	3103	3104	- 987	- 972			
Heebner	3340	3341	- 1224	- 1207			
Toronto	3361	3361	- 1244	- 1227			
Lansing	3384	3385	- 1268	- 1250			
Base Kansas City	3614	3615	- 1498	- 1484			
Arbuckle	3650	3649	- 1532	- 1510			
Total Depth	3730	3731	- 1614	- 1588			

REFERENCE WELLS

A Staab Oil Co., Staab # 2 700' FNL + 2130' FWL Sec 28-125-17W
 B _____
 C _____
 D _____

REMARKS

This well ran 18 feet lower on the hanging top and 22 feet lower on the Buckle top than the reference well. The open hole logs and drill stem test indicate the well should be further tested. The zone from 3660' to 3664' should be tested.

Richard B. Bell
2/20/14

7502

LEGEND

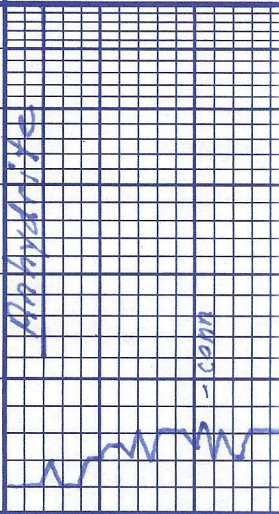
	Anhydrite		Salt		Sandstone		Shale		Carb sh		Limestone		Ool. Lime		Chert		Dolomite
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DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Decreases



5" 10" 15" 20" 25"



LOG 7710

DEPTH

1330

1350

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

Samples are lagged

1370

3050

3100

Base Anhydrite

canon

- canon

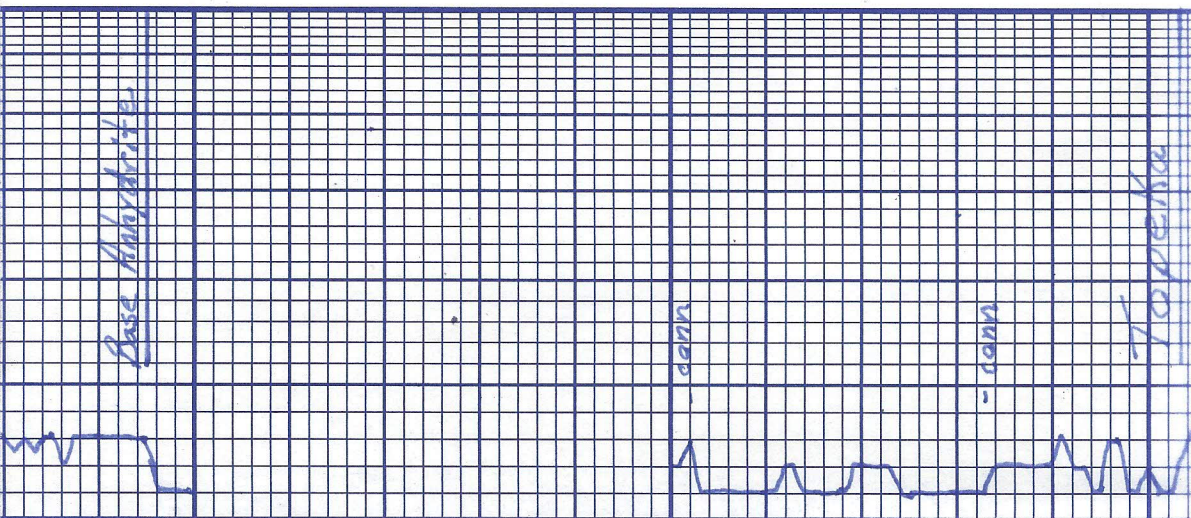
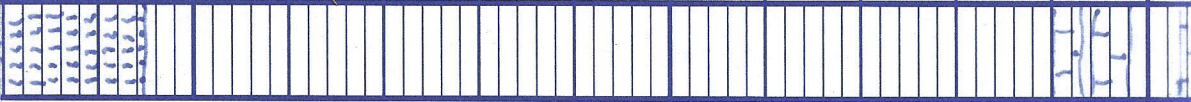
Topena

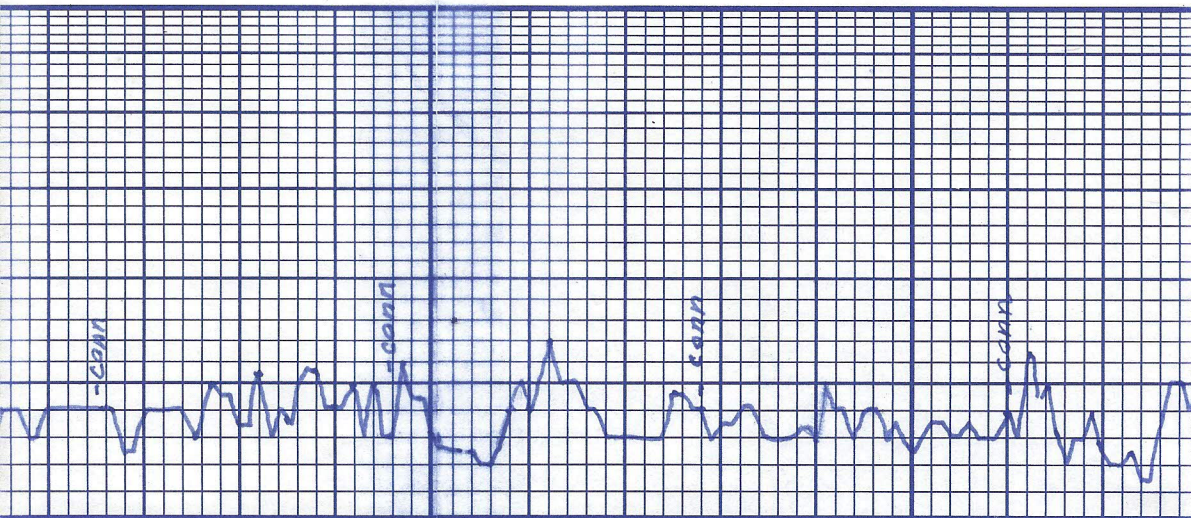
sh: grey

sh: grey to ls: to grey mtd
fsif dns NS.O.

sh: grey + blue grey
ls: to fsif dns

10. ...





20

40

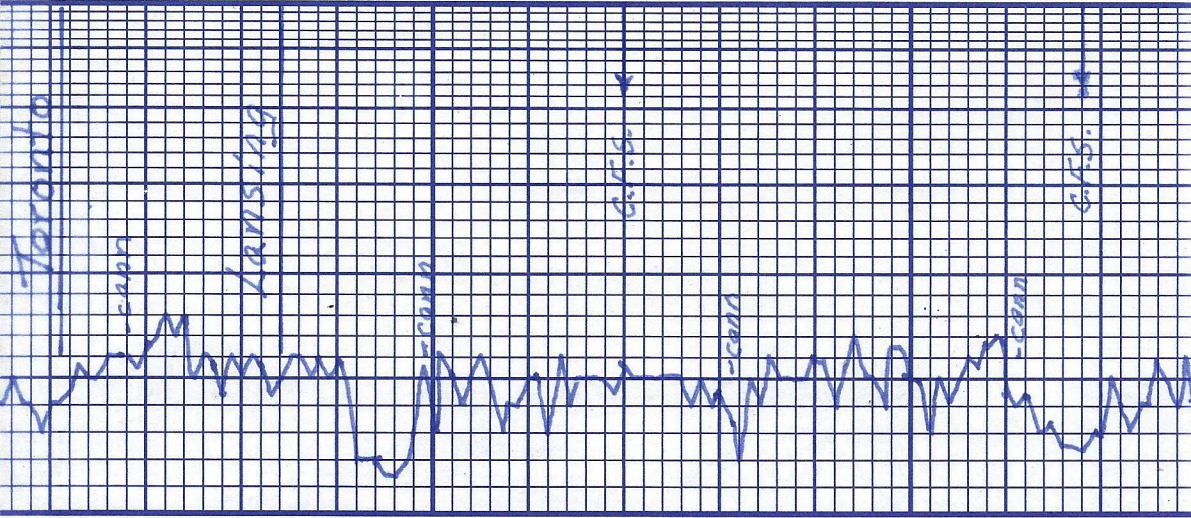
60

80

3200

20

LS: tn-brn-gry fxlh-fsif dns N.S.O.
LS: tn-gry slicky-fsif dns N.S.O.
Sh: gry & drk gry LS: tn-gry fsif dns N.S.O.
LS: wh-ta cky-fxlh friable N.S.O.
LS: wh-ta-gry cky-fsif dns N.S.O.
LS: tn-gry slicky-fxlh-fsif ppp friable N.S.O. & drk gry
LS: tn-gry fxlh-fsif mostly dns N.S.O. abund. & drk gry
LS: a.a. incr. cky
77 Blk Carb Sh LS: tn-fsif slipritic dns Sh: gry & brn
LS: tn-fsif pp & N.S.O.



60

80

'A'

3400'B

'C'

20

'D'

40

'E'

60

'F'

80'

LS: tn. fcln-fs lf dns v.R.T
pr. lt. edge. Stn No cat
(mind stn)

LS: wh-tn fcln-fs lf dns N.S.O.
As wh-tn
Sh: gry & gra

LS: wh-tn slicy fcln dns A wh-
To v.R.T lt. edge. 9.5 ft
N.F.C. fr. cut. no odor

Sh: brn & gry
LS: wh-tn mly fcln pr pp φ
To stn from above

Sh: brn & gry
LS: tn fcln-fs lf Tr. sli.ool
PP φ, Tr. vgy φ lt. sptd 0.5 ft
Tr. fr. edge. 5th N.F.C. No odor

Sh: brn gry
LS: tn fcln-fs lf pp φ Tr. sli.ool
S.O. Tr. fcln diss O. on crushing
A wh

Sh: tr. blk Carb
LS: tn gry fs lf dns N.S.O.

LS: wh-tn fcln-fs lf pp φ lt.
sptd 0.5 ft N.F.C. fr. cut
No odor

Sh: gry
LS: wh-tn fcln sli.ool (-Tr. sli.
oolc. pp φ lt. sptd 0

Stn. N.F.O. No odor	Wh to sli. cky - fcln dms	Sh: gry, brn, grn Tr. blk Carb. sh.	Sh: brn + gry	LS: wh - tn sli. cky - fcln Tr. fsh dms N.S.O.	LS: wh - tn sli. cky - fcln Tr. sli dolic. Tr. ppp kt. Sptd edge Stn N.F.O. No odor	Sh: brn + gry	LS: Wh - tn fcln Tr. oil in part of Tr. pr. kt. 0.5th N.F.O. No odor	Sh: gry, grn, brn	LS: wh to cky - fcln dms	Sh: gry, brn, grn
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3500

20 'H'

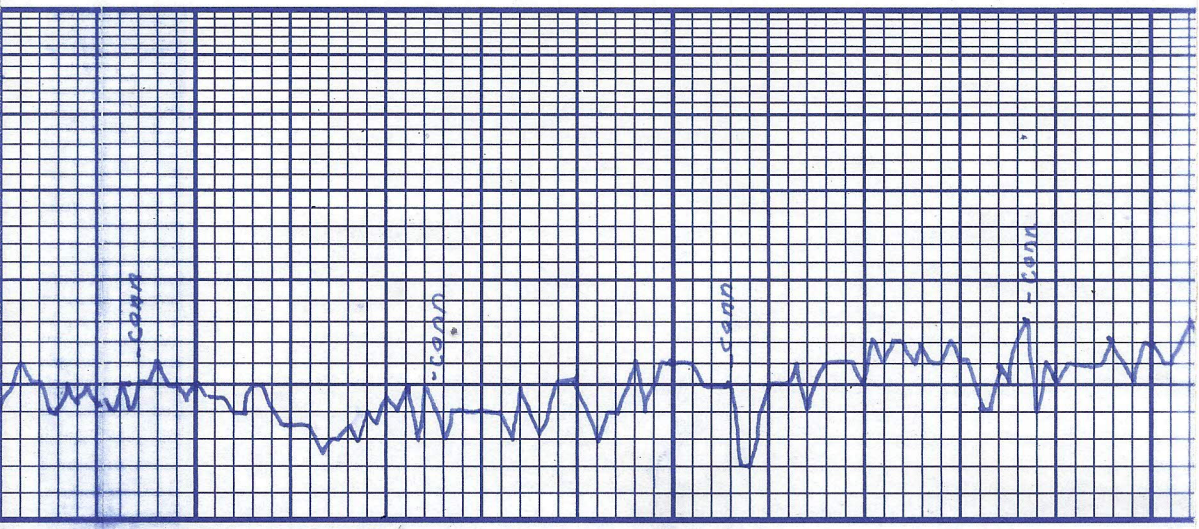
40 'I'

60 'J'

80

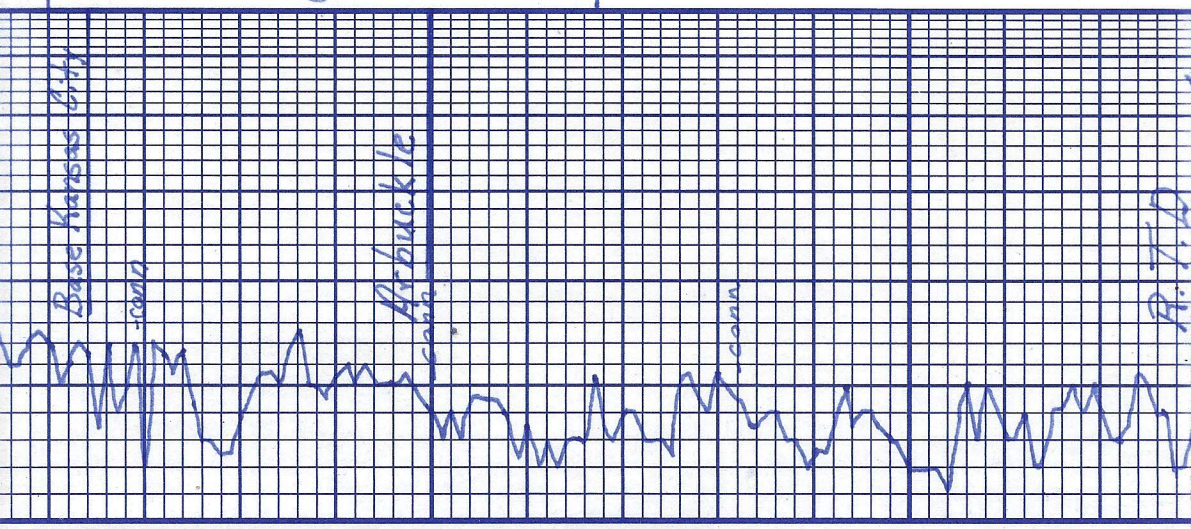
'K'

3600



Trilobite Testing

Straddle Test
NST# / 3410-3667



Straddle 1 Tests +

20 40 60 80 3700 20

LS: wh to fxln dns	LS: wh to cky - fxln dns mostly barren
Sh: brn + gry	LS: to - H. gry fxln dns
LS: to - H. gry fxln dns	Sh: brn, gry, grn
Sh: brn, gry, grn	LS: to - fxln v. dns N.S.O.
LS: to - fxln v. dns N.S.O.	Sh: to - q. g. brn, grn
Sh: to - q. g. brn, grn	aa.
aa.	Dol: to - fxln - mxln inxlnp
Dol: to - fxln - mxln inxlnp	Tr. VGYD Lt. Sptd stn -
Tr. VGYD Lt. Sptd stn -	Lt. O. Sat Tr. pp. F. O. str. odor
Lt. O. Sat Tr. pp. F. O. str. odor	Dol: to - mxln ool inxlnp
Dol: to - mxln ool inxlnp	fr. O. Sat F. O. str. odor
fr. O. Sat F. O. str. odor	(incr stn)
(incr stn)	Dol: wh - to - fxln - mxln Tr ool
Dol: wh - to - fxln - mxln Tr ool	off p. O. str.
off p. O. str.	Dol: aa. Tr cky Tr. VGYD
Dol: aa. Tr cky Tr. VGYD	Stn aa. Tr. asph stn
Stn aa. Tr. asph stn	Dol: wh to fxln mostly dns
Dol: wh to fxln mostly dns	decr. stn
decr. stn	Dol: wh to incr. cky - fxln
Dol: wh to incr. cky - fxln	dns mostly barren
dns mostly barren	Dol: wh to cky - fxln
Dol: wh to cky - fxln	mxln inxlnp Tr drk Tary
mxln inxlnp Tr drk Tary	to asph spks fr odor
to asph spks fr odor	atn

30-45-30-60
 IF: wk blow incr. to 8"
 ISI: wk blow dried in 9 min
 FF: wk blow incr. to 6"
 FSI: No blow
 Recovery: 35' G.I.P.
 220' Total fluid
 95' MCO 95% O, 5% M
 125' OCM 20% O, 80% M
 HYD: 1824-1792#
 FP: 30-75/80-115#
 BHP: 617-633#
 BH Temp: 102°F
 Gravity: 28° A.P.I.
 Incline @ 3730' 1"

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

June 24, 2014

Francis C. Staab
Staab Oil Co., a General Partnership
1607 HOPEWELL RD
HAYS, KS 67601-9443

Re: ACO-1
API 15-051-26668-00-00
SEC 3
NW/4 Sec.28-12S-17W
Ellis County, Kansas

Dear Francis C. Staab:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 02/12/2014 and the ACO-1 was received on June 18, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department