

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1363889
OIL & GAS CONSERVATION DIVISION

Form ACO-1
November 2016

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

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: _____

1363889

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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)*

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>	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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GLOBAL OIL FIELD SERVICES, LLC

3008

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>7-6-17</u>	SEC. <u>24</u>	TWP. <u>11</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>WING-SOCK</u>		WELL # <u>4</u>		LOCATION <u>HAYS, KS</u>		COUNTY <u>ELGIS</u>	STATE <u>KS</u>
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR Co. Tans
 TYPE OF JOB TOP STAGE PRODUCTION STABILIZER
 HOLE SIZE 5 7/8 T.D.
 CASING SIZE 5 1/2 DEPTH 1320'
 TUBING SIZE 2 1/2 DEPTH 1320'
 DRILL PIPE DEPTH
 TOOL Packer DEPTH 1320'
 PRES. MAX. MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 20'
 PERFS 1410
 DISPLACEMENT

OWNER
 CEMENT AMOUNT ORDERED 175 SX 60/40 POC 8% GEL
40 SX 60/40 3% GEL
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
 HANDLING @
 MILEAGE @
 TOTAL

EQUIPMENT
 PUMP TRUCK CEMENTER Brian
 # 417 HELPER Jason
 BULK TRUCK DRIVER Tom
 # 418
 BULK TRUCK DRIVER Keith
 # 410

REMARKS:

60' LBS TO CIRCULATE MIX 175 SX LIGHT
MIX 100 SX HEAVY RUNNER OFF WASHUP, DISPLACE
W 8% GEL, HAYD 4.5 MIN, WASH CLEAN W 1% POC
RICH WILLIAMS WINTHROP WJFCC DID CIRCULATE

SERVICE

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

TOTAL

CHARGE TO: Tri Union
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
 @
 @
 @
 @
 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 E. Vance L. Ker
 SIGNATURE E. Vance L. Ker

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

GLOBAL OIL FIELD SERVICES, LLC

2945

EMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>5-21-17</u>	SEC. <u>26</u>	TWP. <u>11S</u>	RANGE <u>19W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Plus 5000</u>						COUNTY <u>Ellis</u>	STATE <u>KS</u>
WELL # <u>4</u>		LOCATION					
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR Royal Drilling Rig #1

TYPE OF JOB Production string

ROD SIZE 7 7/8 T.D.

casing SIZE 5 1/2 DEPTH 3103' + 15'

tubing SIZE DEPTH

DRILL PIPE DEPTH

TOOL AFEU INSERT DEPTH 3588 27'

RES. MAX MINIMUM

MEAS. LINE SHOE JOINT 1473'

CEMENT LEFT IN CSG. 4.73'

PERFS

DISPLACEMENT 87 1/2 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Beau

HELPER Jason

BULK TRUCK DRIVER Tom

BULK TRUCK DRIVER

OWNER

CEMENT AMOUNT ORDERED 180 5X COM 10% SACT 2% GEL
MDD SUGG

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Run in 5 1/2" MDD SUGG, circulate mud, mix mud SUGG, plug return manifold, mix 180 5X, 400 PLUG @ 1500 PSI, release 20'

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

4 CENTRALIZERS @

1 BASKET @

1 GUID SLEEVE @

1 AFEU INSERT @

1 RUBBER PLUG @

TOTAL

CHARGE TO: Tru United

STREET

CITY STATE ZIP

Global Oil Field Services, LLC
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PRINTED NAME Doug Budig

SIGNATURE Doug Budig

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

GLOBAL OIL FIELD SERVICES, LLC

2942

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: _____

Russell, KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
5-17-17	26	11S	19W				7:30 AM
LEASE		WELL #.		LOCATION		COUNTY	STATE
Vine Spring		4		HAYS, KS		ELLIS	KS
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR <u>Royal Drilling Rig #1</u>	OWNER _____
TYPE OF JOB <u>Surface</u>	CEMENT AMOUNT ORDERED <u>150 SK com 3% cc 2% GRC</u>
HOLE SIZE <u>12 1/4</u>	T.D. <u>228.24</u>
CASING SIZE <u>8 3/4</u>	DEPTH <u>210.98 + 10' LT</u>
TUBING SIZE _____	DEPTH _____
DRILL PIPE _____	DEPTH _____
TOOL _____	DEPTH _____
PRES. MAX _____	MINIMUM _____
MEAS. LINE _____	SHOE JOINT <u>42.26</u>
CEMENT LEFT IN CSG. <u>20'</u>	
PERFS _____	
DISPLACEMENT <u>12.84</u>	
EQUIPMENT _____	
PUMP TRUCK # <u>409</u>	CEMENTER <u>Brian</u>
BULK TRUCK # <u>378</u>	HELPER <u>Cody</u>
BULK TRUCK # _____	DRIVER <u>Tom</u>
BULK TRUCK # _____	DRIVER _____

REMARKS:

Ran in 5 JTS, NEW 8 3/4 CASING, CIRCULATE
MUD, MIX 150 SK, WASH UP + DISPLACE W/
11 BBL H₂O, SHORT IN @ 200 PSI, CEMENT
DID CIRCULATE

SERVICE

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

TOTAL _____

CHARGE TO: Tri United

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____

TOTAL _____

Global Oil Field Services, LLC
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PRINTED NAME Doug Budig

SIGNATURE Doug Budig

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

Roger L. Moses

P.O. Box 385
Hays, Kansas 67601
Email: mosesoil@reagan.com
Phone: 785.656.1729

**GEOLOGIC
REPORT
LOG**

COMPANY *Tri United, Inc.*
950 270th Ave. Hays, KS.

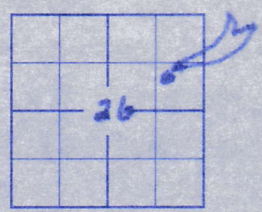
WELL *Vine Sook #4*
FIELD *Solomon*

LOCATION *3360' FSL E 1007' FEL*

SEC. *26* TWP. *11s* RGE. *19w*

COUNTY *Ellis*

STATE *Kansas*



PRODUCTION
ELEVATION KB *2070*
DF
GL *2064*
Drilling Measured From: *Kelly Bushing*

Samples Saved From *3100* To: *TD*
Drilling Time From *3000* To: *TD*
Samples Examined From: *3100* To: *TD*
Geological Supervision From *3100* To Total Depth
Wellsite Geologist *Roger Moses*
Electrical Surveys
Radiation Guard

OPERATOR *Tri United, Inc.*
CONTRACTOR *Royal Drilling, Inc.*
COMM: *5-16-17* COMP: *5-21-17*

CASING RECORD

SURF: *8 5/8" @ 221'* PROD: *5 1/2" @ 3598'*
TOTAL DEPTH DRILLERS: *3605*
TOTAL DEPTH LOG: *3604*

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
<i>Anhydrite</i>	<i>1423</i>	<i>1420</i>	<i>(+642)</i>	<i>+16</i>
<i>B/Anhydrite</i>	<i>1455</i>	<i>1450</i>	<i>(+620)</i>	<i>+2</i>
<i>Topeka</i>	<i>3067(-997)</i>	<i>3063</i>	<i>(-993)</i>	<i>-12</i>
<i>Wabner</i>	<i>3291(-1221)</i>	<i>3286</i>	<i>(-1216)</i>	<i>-6</i>
<i>Toronto</i>	<i>3307(-1237)</i>	<i>3305</i>	<i>(-1235)</i>	<i>+3</i>
<i>Lansing</i>	<i>3328(-1258)</i>	<i>3327</i>	<i>(-1257)</i>	<i>-8</i>
<i>B/KC</i>	<i>3555(-1485)</i>	<i>3553</i>	<i>(-1483)</i>	<i>-7</i>
<i>Arbuckle</i>	<i>3582(-1512)</i>	<i>3591</i>	<i>(-1521)</i>	<i>+7</i>

REFERENCE WELL FOR STRUCTURE *Tri United, Inc Vine-Sook #1*
4190' FSL E 1320' FEL, Sec 26-11s-19w, Ellis County, KS

DAILY PENETRATION		BIT RECORD						
DATE	DEPTH	NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
5-16-17	Spudded	1	12 1/4	J2		221	221	8 1/2
5-17-17	785	2	7 7/8	HA23X	527Y	3605	3384	
5-18-17	2185							
5-19-17	2870							
5-20-17	3480							
5-21-17	3605							

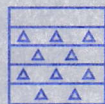
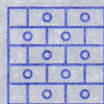
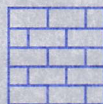
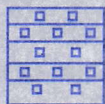
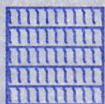
DRILL STEM TESTS

No.	Interval	IHP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHP-FHP	RECOVERY
		NO DST'S					

REMARKS AND RECOMMENDATIONS: Based on structural position and favorable shows, 5 1/8" production casing was run and cemented in to evaluate further.

Rory Mason

LEGEND



Anhydrite

Salt

Sandstone

Shale

Carb sh

Limestone

Ool.Lime

Chert

Dolomite

DRILLING TIME IN MINUTES PER FOOT

Rate of Penetration Decreases



5" 10" 15" 20" 25"

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

Anhydrite 1423
log 1428
(1442)

7
7
7
7
7
7
7
7
7
7
7

DV Survey
@ 221' 3/4"
@ 3605' 1/4"

Base/Anhydrite
1455
log 1450
(1460)

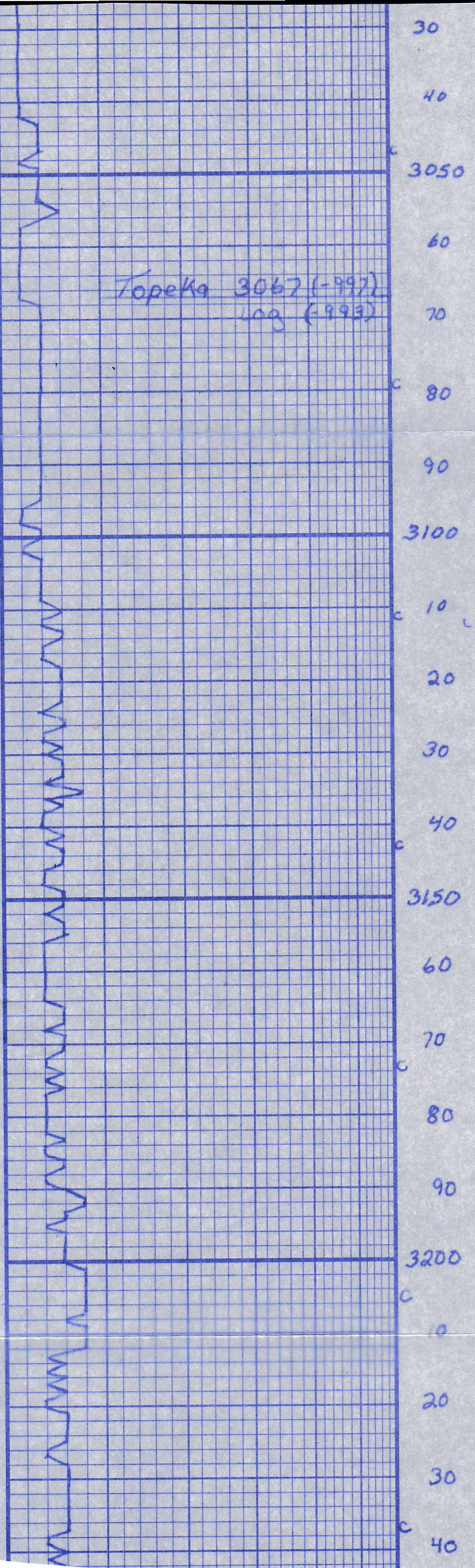
3000

10

20

SH: gray, silty

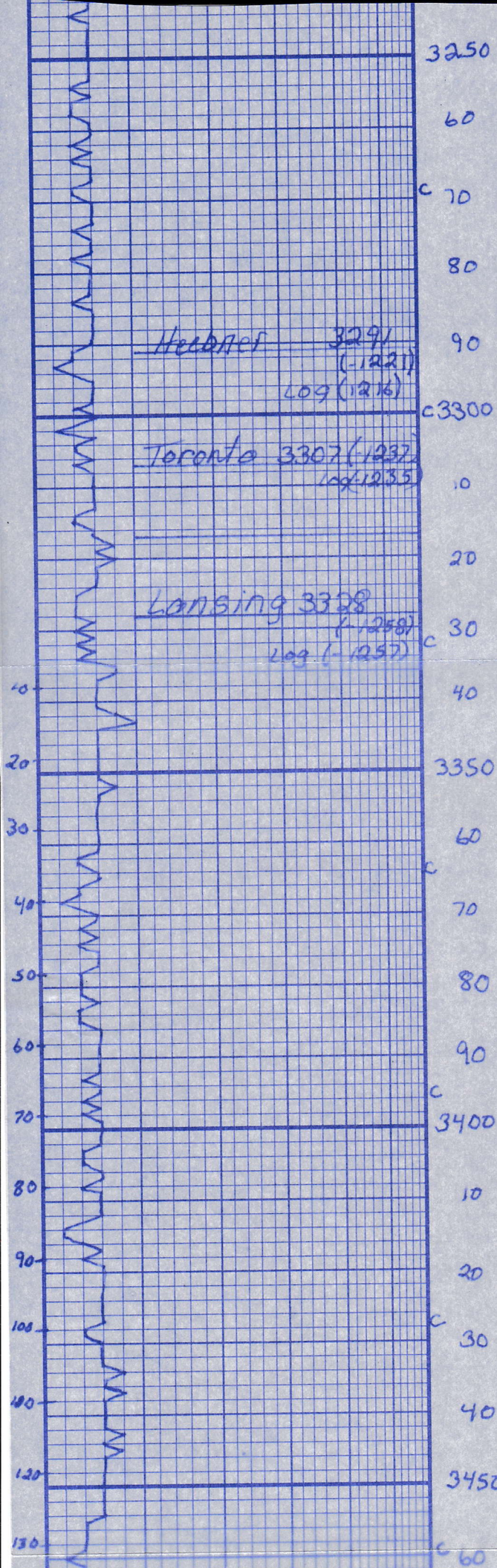
Topeka 3067 (-997)
Log (993)



30	
40	SH: a/a
3050	LS: crm-buff, f-med xln Chalky No NS
60	SH: gray, med, silty
70	LS: wht - crm, f xln, part chky, few foss.
80	LS: a/a
90	LS: wht-gray, f-med xln sl: foss, chky, ppØ, vugØ Fair odor, gal & no free oil
3100	SH: gray, silty
10	LS: tan - crm, foss barren.
20	LS: crm to tan, f xln No NS foss
30	
40	
3150	LS: a/a
60	LS: wht - crm, f-med xln, chky dns, int xln Ø w-f odor sl: - Gal sfo
70	Blk carb shale
80	SH: gray, med, silty
90	SH: gray - dk gray
3200	LS: wht - gry, f xln, dns ppØ No NS
10	
20	SH: gray, med, blk
30	Blk carb shale
40	LS: wht - crm f-med xln, No vis. Ø No NS

VIS 47
WT 8.7
LCM 2

VIS 50
WT 9.0



LS: wht, fn xln, int xln, vug
Sl: odor, sl: Gd SFO
SH: gray, med

LS:

SH: gray
LS: crm-wht fn xln

Blk Carb shale

LS: wht p xln chky, int xln
(chalky, pp, No odor
Sl SFO

LS: wht, f med xln, chky, pp
No odor v sl: sh o/s
SH: grey-dk grey

LS: wht crm, f med xln
Ans No Vis

SH: gray
LS: wht crm fn xln.

SH: gray, med
LS: wht-lt grey, fn xln, vug
pp, Fair odor, sh o/s

SH: gray - dk gray

LS: wht crm, fn xln
int xln - int part
No sh

SH: gray, med

LS: wht-buff, fn xln, pp
Fair Odor, lite even stain

LS: wht, fn xln, pp, com
strong Odor, sl-gd sh o/s

VIS 50
WT 9.0
LCM 2

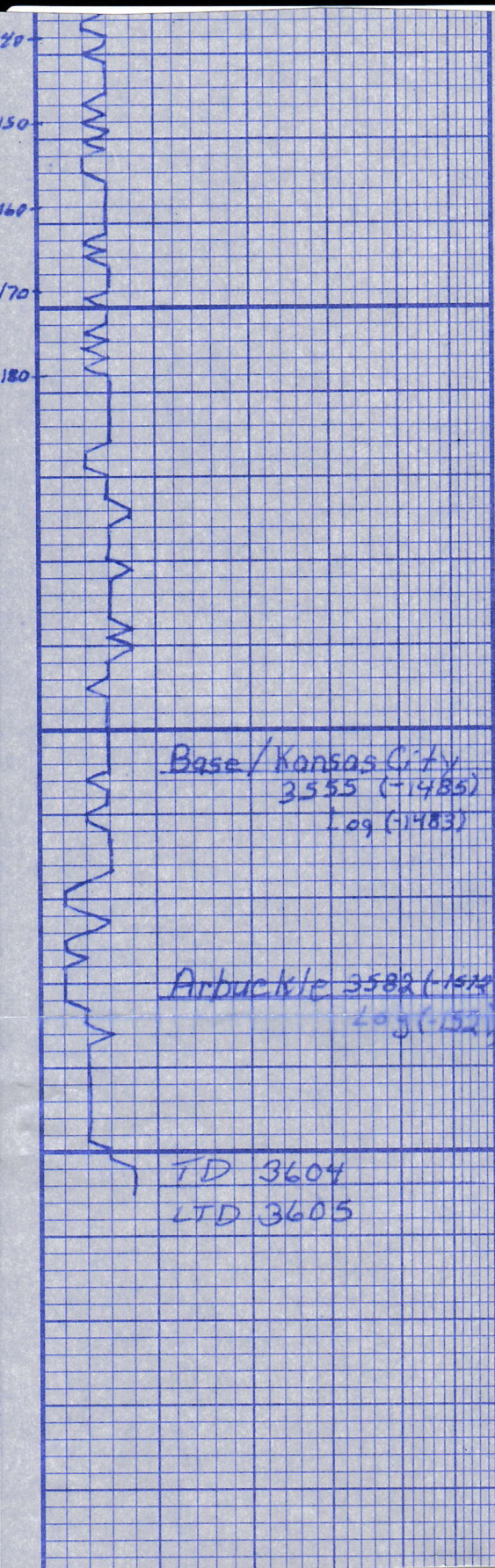
VIS 52
WT 9.0
LCM 4.5

VIS 50
WT 9.0
LCM 4

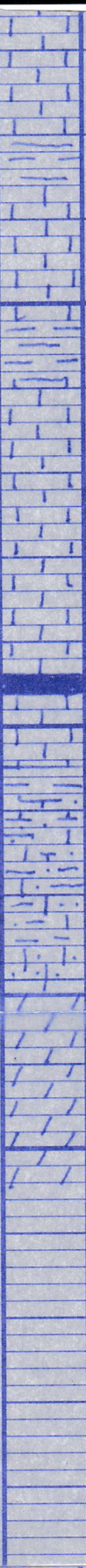
Heednes 3291
(-122)
Log (-1216)

Toronto 3307 (1237)
Log (-1235)

Lansing 3328
(-1258)
Log (-1257)



70
80
c 90
3550
10
20
30
40
3550
60
70
80
90
3600



LS:
LS: wht, F-med xln, inter xln & Few Vug & F-st odor Sho FO.1
LS: wht-grey, fnxln, dns PP & w/ak odor vug sli Sho / Break
SH: gray, med, blk
LS: wht, fnxln, dns, v sli odor, Life str
LS: a/a No odor NO Show
Blk, carb SH
SH: red-brn, Fwugray w/fp-med xln / S pp & sli odor, Tarry - Asphaltic fair amount of well grtd SHD grains, clear barren.
LS: gray-dk gray, fnxln vug & st odor vgs FO Dolo. gray, coarse grained med xln, sucrosic, well cemented clusters Rhombic xln Dolo, clear to brn dns saturated w/oil

○
○
○
●
●

VIS 56
WT 9.1
cm 5

VIS 56
WT 9.1
cm 4

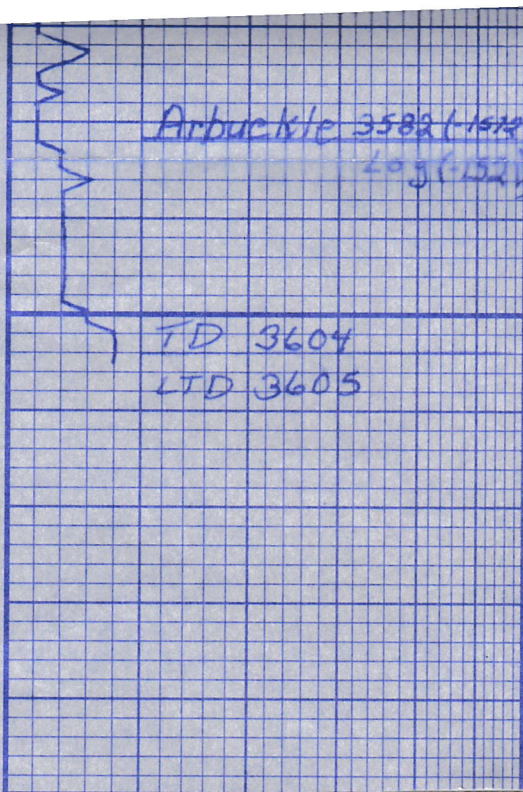
Base/Kansas City
3555 (-485)
Log (-1483)

Arbuckle 3582 (-152)
Log (-152)

TD 3604
LTD 3605

<p>5" 10" 15" 20" 25"</p> <p>DRILLING TIME Minutes/Foot</p> <p>Rate of Penetration Decreases</p>	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
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CONTRACTOR Royal Drilling Inc LOCATION 3360 FSL & 1007 FEL



70	shd grains, clear
80	ls: gray-dk gray, fn xln Vug \varnothing , st odor VGSFO
90	Dolo, gray, coarse grained Med xln sucrose, well cemented clusters rhombic xln Dolo, clear to brn dns Saturated w/oil
3600	

VES 56
WT 9.1
LCM 4

5" 10" 15" 20" 25"					
DRILLING TIME Minutes/Foot	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
Rate of Penetration Decreases					

CONTRACTOR Royal Drilling, Inc LOCATION 3360 FSL E 1007 FEL
 LEASE Vine-Sook IP Oil SEC 26 TWP 11S RNG 19W
 ELEVATION 2070 KB RTD 3605 COUNTY Ellis STATE Kansas