



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1168475
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: _____



1168475

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: <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> _____
---	--

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Tjaden A 7-13
Doc ID	1168475

Tops

Name	Top	Datum
Heebner (Base)	3133	-1649
Lansing	3348	-1864
KS City A	3781	-2297
KS City B	3815	-2331
Pawnee	3973	-2489
Ft. Scott	4008	-2524
Cherokee	4024	-2540
Mississippi	4124	-2640
RTD	4380	
LTD	4401	

ALLIED OIL & GAS SERVICES, LLC 059605

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Madison Lodge KS

DATE <u>9-25-13</u>	SEC. <u>13</u>	TWP. <u>30S</u>	RANGE <u>8W</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30 PM</u>	JOB FINISH <u>1:15 PM</u>
LEASE <u>TJADENA</u>		WELL # <u>7-13</u>		LOCATION <u>Spivey KS 1 1/2 S to End of Blackfoot</u>		COUNTY <u>Kingman</u>	STATE <u>KS</u>
OLD OR <u>(NEW)</u> (Circle one)				<u>1 1/4 E 1/2 N 1/2 E into</u>			

CONTRACTOR Berecso #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 355
 CASING SIZE 8 5/8 DEPTH 339.61
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42.40
 CEMENT LEFT IN CSG. 42.40
 PERFS.
 DISPLACEMENT 20 bbl

OWNER Berecso
 CEMENT
 AMOUNT ORDERED 145 sx 65:35 6% Gel
3% CC + 1/4# Fl Seal
100sx Class A + 3% CC 2% Gel

EQUIPMENT

PUMP TRUCK CEMENTER JAKE HEARD / Ron Gilley
 # 471-265 HELPER Justin Bower
 BULK TRUCK
 # 364 DRIVER CJ Rackley
 BULK TRUCK
 # DRIVER

COMMON <u>A</u>	<u>100 sx @ 17.90</u>	<u>1790.00</u>
POZMIX	@	
GEL	<u>2 @ 23.40</u>	<u>46.80</u>
CHLORIDE	<u>9 @ 64.00</u>	<u>576.00</u>
ASC	@	
<u>ALW 145 sx</u>	<u>@ 15.95</u>	<u>2312.75</u>
<u>Fl Seal 36**</u>	<u>@ 2.97</u>	<u>106.92</u>
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>276-10 @ 2.48</u>	<u>684.73</u>
MILEAGE	<u>297.50 / 2-60</u>	<u>773.50</u>
TOTAL		<u>6290.70</u>

REMARKS:

See Job Log

CMT Did Circ
Set up to cmt mix 145 sx lead cmt + sweep cans
Mix 100sx Tail cmt Shut Down Release
plug Dispt Wash up Contine disp.
Bump Plug shut in 400psi

SERVICE

DEPTH OF JOB	<u>339.61</u>	
PUMP TRUCK CHARGE	<u>1512.25</u>	
EXTRA FOOTAGE	@	
MILEAGE	<u>25 @ 7.70</u>	<u>192.50</u>
MANIFOLD	<u>Head Panel @ 275.00</u>	<u>N/C</u>
	<u>LU 25 @ 4.40</u>	<u>N/C</u>
	@	

CHARGE TO: Berecso
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 1704.75

PLUG & FLOAT EQUIPMENT

<u>1-Rubber plug</u>	@	<u>84.00</u>
<u>1-Baffle plate</u>	@	<u>67.50</u>
<u>2-centralizers</u>	@ <u>48.75</u>	<u>97.50</u>
	@	
	@	

TOTAL 249.00

To: Allied Oil & Gas 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.

SALES TAX (If Any) _____

TOTAL CHARGES 8244.45

PRINTED NAME Michael S. Bowers

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

NET 6005.72



CEMENTING LOG

STAGE NO.

Date 9-25-13 District Med. Lodge KS Ticket No. 59605
 Company Berco Rig Berco
 Lease TITANUM 'A' Well No. 7-13
 County Kingman State KS
 Location INC Spirey Field 13-305-84

CEMENT DATA:
 Spacer Type: 3 bbl fresh
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8 Type Casing Weight 24 Collar _____

LEAD: Pump Time _____ hrs. Type 60S:35 6% Gel
3% CC + 1/4 #Floceal Excess _____
 Amt. 145 Sks Yield 1.97 ft³/sk Density 12.5 PPG

TAIL: Pump Time _____ hrs. Type Class A + 3% CC
+ 2% Gel Excess _____
 Amt. 100 Sks Yield 1.34 ft³/sk Density 14.5 PPG

WATER: Lead 10.7 gals/sk Tail 6.5 gals/sk Total 52.41 Bbls.

Casing Depths: Top _____ Bottom _____

Pump Trucks Used 471/265 Justin Bower
 Bulk Equip. 364 CS Rackley

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 355 ft. P.B. to _____ ft.

Float Equip: Manufacturer _____

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .0735 Lin. ft./Bbl. 13.61
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity 2 Plugs Top TRP Btm. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Fresh H2O Amt. 20 Bbls. Weight _____ PPG
 Mud Type NATIVE Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER JAKE HEARD

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
12:10 pm						Break Circ w/ R: g Pressure test 1000 PSI Set up to pump cmt
12:20 pm						
12:30 pm						
12:35 pm		200		3		4 1/2 Pump 3 bbl Ahead
12:38		200		5		Mix + Pump 145 Sx 60S:35 6% Gel 3% CC 1/4 #Floceal SWAP CEN
12:48 PM		250		24		5 Mix + Pump 100 Sx Class A + 3% CC + 2% Gel
12:55 pm		200				Shut Down + Swap Values + Release plug
1:00 pm		200		10		3 Begin Disp + Wash up
		200		5		4 Continue Disp
		200		5		3 Slow Rate
1:07 PM		400		-		Bump plug
						Shut in Bleed off pressure
						Cmt D. d Circ

FINAL DISP. PRESS: 400 ps PSI BUMP PLUG TO 400 ps PSI BLEEDBACK _____ BBLs.



ALLIEL OIL & GAS SERVICES, LLC 061930

Federal Tax I.D. # 20-8651475

REMIT TO: P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

10-2-13 Green Bay, KS
10-3-13

DATE <u>10-3-13</u>	SEC. <u>13</u>	TWP. <u>30S</u>	RANGE <u>8W</u>	CALLED OUT	ON LOCATION <u>7:00pm</u>	JOB START <u>2:00AM</u>	JOB FINISH <u>7:30AM</u>
LEASE <u>TJaden A</u>	WELL # <u>7-13</u>		LOCATION <u>Spivey, KS 1/2 S 1/2 E</u>		COUNTY <u>Kingman</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)			<u>1/2 N E 1/2</u>				

CONTRACTOR Beredon #1

TYPE OF JOB 5 1/2 production

HOLE SIZE 7 1/8 T.D.

CASING SIZE 5 1/2 DEPTH 4400.16

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 43.92 FT

PERFS.

DISPLACEMENT 106.43 bbls Fresh water

OWNER

CEMENT

AMOUNT ORDERED 125 sks 6.5 tick class A 35 FT 202
6 tiquel 1/2" # Flu seal
200 sks ASC # 6" # 16" + 5" RH 60 # De Paen

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	<u>200</u>	@ <u>20.90</u>	<u>4180.00</u>
<u>Gilawits</u>	<u>1200</u>	@ <u>.98</u>	<u>1.176.00</u>
<u>FL-160</u>	<u>94</u>	@ <u>18.90</u>	<u>1.776.60</u>
<u>DF</u>	<u>28</u>	@ <u>9.80</u>	<u>274.40</u>
<u>125 sks lite wt</u>		@ <u>15.95</u>	<u>1.993.75</u>
<u>Flu seal</u>	<u>32</u>	@ <u>2.97</u>	<u>950.40</u>
	@		
	@		
	@		
HANDLING	<u>389.37</u>	@ <u>2.48</u>	<u>965.38</u>
MILEAGE	<u>16.73 x 25 x</u>	<u>2.60</u>	<u>1.087.75</u>
			TOTAL <u>11.549.14</u>

EQUIPMENT

PUMP TRUCK # 597 CEMENTER Dustin Chambers

BULK TRUCK # 541-198 HELPER Charles Klyon

BULK TRUCK # DRIVER Kedra Wadsworth

BULK TRUCK # DRIVER

REMARKS:

Break circulation with Pump Mud Drop Ball
circulate for 1 hr Pump Ball through @ 900#
plug Bica mouse, MAX 75 Gals 6.5/35
MAX 200 sks ASC shut down & wash lines
Release plug @ 106.43 bbls Fresh water
Work plug pressure - 2000#
plug down - 3500#
6 hr water time cement & circulate

SERVICE

DEPTH OF JOB	<u>4406</u>		
PUMP TRUCK CHARGE		<u>2810.85</u>	
EXTRA FOOTAGE	@		
MILEAGE Hum	<u>25</u>	@ <u>7.70</u>	<u>192.50</u>
MANIFOLD	@		
<u>wait time 83</u>	@ <u>Ne</u>		<u>Ne</u>
<u>wait time 5</u>	@ <u>440.00</u>		<u>2200.00</u>
			TOTAL <u>5.283.80</u>

CHARGE TO: Berexco LLC

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1-5/8 float shoe</u>	@ <u>232.00</u>	<u>232.00</u>	
<u>1-5/8 Latch Down plug</u>	@ <u>184.00</u>	<u>184.00</u>	
<u>12-5/2 centralizers</u>	@ <u>37.00</u>	<u>444.00</u>	
<u>2-5/8 Baskets</u>	@ <u>178.00</u>	<u>356.00</u>	
	@		
			TOTAL <u>1216.00</u>

To: Allied Oil & Gas 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 X Jason A. Brown

SIGNATURE X Jason A. Brown

Thank You!!

SALES TAX (if Any) _____

TOTAL CHARGES 17.968.48

DISCOUNT 5.031.17

IF PAID IN 30 DAYS

12.937.30

Date: 10-2-13 District: Crownpoint djs Ticket No: 101930
 Company: Berexco LLC Rig: Berenco LEI
 Lease: TJaden A Well No: 7-13
 County: Kern County State: KS
 Location: Gardner PMS 1/2E 24N Field: Ernsb

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size: 5 1/2 Type: new Weight: 15 Collar: SR

Casing Depths: Top RB Bottom: 4496.11

Drill Pipe: Size 4 1/2 Weight 16.6 Collars: whole
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing:	Bbls/Lin. ft.:	<u>102.44</u>	Lin. ft./Bbl.:	<u>40.95</u>
Open Holes:	Bbls/Lin. ft.:	<u>0.602</u>	Lin. ft./Bbl.:	<u>16.57</u>
Drill Pipe:	Bbls/Lin. ft.:	<u>21.42</u>	Lin. ft./Bbl.:	<u>70.32</u>
Annulus:	Bbls/Lin. ft.:	<u>0.309</u>	Lin. ft./Bbl.:	<u>32.40</u>

Perforations: From _____ ft. to _____ ft. Amt: _____

CEMENT DATA:
 Spacer Type: Freshwater
 Amt: _____ Sk. Yield: _____ ft³/sk Density: 8.34 PPG

LEAD: Pump Time _____ hrs. Type: 65% class A
354 pol 6 1/2 gal 14 1/2 flo Excess: _____
 Amt: 125 Sk. Yield: 1.93 ft³/sk Density: 12.5 PPG

TAIL: Pump Time _____ hrs. Type: class A ASC
6 1/2 gal seal 5 1/2 gal 60 + Detonator Excess: _____
 Amt: 200 Sk. Yield: 1.57 ft³/sk Density: 14.5 PPG
 WATER: Lead _____ gals/sk Tail: _____ gals/sk Total: _____ Bbls

Pump Trucks Used: 597 - Charles K.
 Bulk Equip: 504-198 - Kennerly

Floater Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type: LP/Ser 360e Depth _____
 Centralizers: Quantity: 12 Plugs: Top latch Str. _____
 Stage Collars _____
 Special Equip: 2 Packers
 Disp. Fluid Type: Freshwater Amt: _____ Bbls. Weight: 8.34 PPG
 Mud Type: Water Weight: 9.2 PPG

COMPANY REPRESENTATIVE: _____ CEMENTER: Dickson C

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>2:00 pm</u>						<u>ON location - Rig up 2:00 pm 10-2-13</u> <u>Ho 1st long meeting</u>
<u>7:00 pm</u>						<u>Run 5 1/2 casing 1 Dip ball & circulate for 1hr</u> <u>Break circulation with Rig mud</u> <u>Hook up cement pump</u>
				<u>26.44</u>		<u>R.H. = 30 sks</u> <u>M.H. = 20 sks</u> <u>net 7.5 sks 65/75</u>
			<u>50.56</u>	<u>59.92</u>		<u>net 200 sks ASC</u> <u>5 1/2" 10 min wash over the line</u> <u>Dis place 106.43' bbls Freshwater</u>
			<u>145.79</u>	<u>106.43</u>		<u>Lead plug pressure 2000 H</u>
<u>3:00 AM</u>						<u>plug Run 3:00 AM 10-3-13</u> <u>Cement Dis Circulate</u>

GEOLOGIST'S REPORT

DRILLING TIME & SAMPLE LOG NFC

COMPANY Berexco LLC NO. 7-13
 LEASE Taden A
 LOCATION 2302 FNL + 340 FEL
 SEC. 13 TWP. 30S RNG. 8W
 COUNTY Kingman STATE Kansas
 FIELD Spivey-Grabs-Basil

ELEVATIONS
 KB 1484
 DF 1482
 GL 1472
 MEASUREMENTS ARE ALL FROM KB

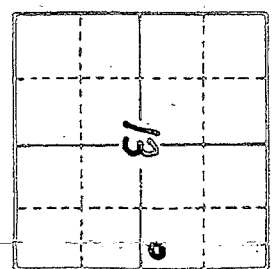
CONTRACTOR Berexco Dalg Rig #1
 COMM. 9-24-2013 COMP. 10-2-2013
 RTD 4380 LTD 4401
 No. of DST'S NONE No. of CORES NONE

MEASURING RECORD
 8 5/8" O.D. 355 W./...
 EL. LOG AR. IND. SP. GR.
DEN. METER OR CALIPER
ML

SAMPLES SAVED FROM 3000 TO TD
 DRILLING TIME KEPT FROM 3000 TO TD
 SAMPLES EXAMINED FROM 3000 TO TD
 GEOLOGICAL SUPERVISION FROM 3000 TO TD
 GEOLOGIST ON WELL EDWIN H. GRIEVES

FORMATION TOPS

FORMATION	SAMPLE	LOG	SUBSEA
BASE HEELER	3113	3133	-1649
LANSMING	3327	3348	-1864
KANSAS CITY "A"	3763	3781	-2297
KANSAS CITY "B"	3797	3815	-2331
PAWNEE	3954	3973	-2489
FT. SCOTT	3986	4000	-2574
CHEKROKEE	4002	4024	-2540
MISSISSIPPI	4100	4124	-2640
TD	4380	4401	



API# 15-095-22275

REMARKS Earth-Tech had an unmanned gas detection trailer on this well from 3000 feet to total depth.

Note Samples were poor to extremely poor on this well. Geological log 20 to 21 feet high to E-Log depths.

*Thank you,
 Edwin H. Grievess
 Geologist*

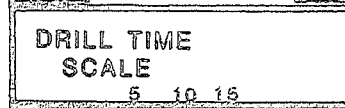
LITHOLOGY

	SANDSTONE		SILTSTONE
	LIMESTONE		DOLOMITE
	SHALE		GRANITE WASH
	CHERT		ARMY B GP

CHROMATOGRAPH

HOT WIRE BY TOTAL GAS VOLUME

C1	= METHANE
C2	= ETHANE
C3	= PROPANE
C4	= ISOBUTANE
C5	= BUTANE
C6	= ISOPENTANE
C7	= PENTANE



Lms. trs. to abn. wht. to crm-chlk + H. tan to tan, grayish. 10% crypto. to

5 10 15

10 100 1000

3000

Lms. trs. to abn. wht. to crm-chlkt
 H. tan to tan, grayish. IP's crypto. to
 v.v. fn. xln; sub-chlk., sub-sucro. to
 sucro. & trs. p. actin.; trs. phantom
 oolitic; dub. yel. fluor. No Cut;
 widely scattered trs very poor
 micro-pp. por.

Sh med. to v. drk. gry. - sl. calc. IP's
 to v. drk. gry. to black-carb.

Lms. tan; crypto. xln; trs sub-chlk
 + p. actin.; dub. H. yel. fluor.
 No Cut No Vis for

Sh. v. drk. gry. to black

Lms. similar 3094-3098
 Sh. v. drk. gry. to black-carb.

Lms. similar 3094-3098
 Sh. H. gry. greenish. IP's to trs
 H. green to olive green

Lms. trs. to abn. wht. to crm-chlkt
 crm. to tan; crypto. to v. fn. xln;
 sub-chlk., sub-sucro. to sucro. & p. actin.
 dub. yel. fluor.; No Cut; No Vis for

Sh H. to med. gray-greenish
 IP's; calc. IP's to drk. gray.
 sl. to faly. pyrit. IP's →
 finely disseminated

Qtz. Sst. H. gray, tanish IP's
 v.v. fn. to v. fn. gr.; ang. to trs
 sub-rudded; clay-filled IP's &
 silt-filled IP's; abn. sl. to very
 muscovite micaceous; sl. calc
 IP's; trs w/ v. dub. yel. fluor.;
 No Cut; scattered trs very
 poor micro-pp. por.

C21

3100

3200

C21

3300

Blk Sh 204

Blk Sh 204

Basal Heebner

3113-1629

Cont Gas 234?

muscovite micaceous, slight
IP's; trs w/v. dul. yel. fluor.;
No Cut; scattered trs very
poor micro-pp. por.

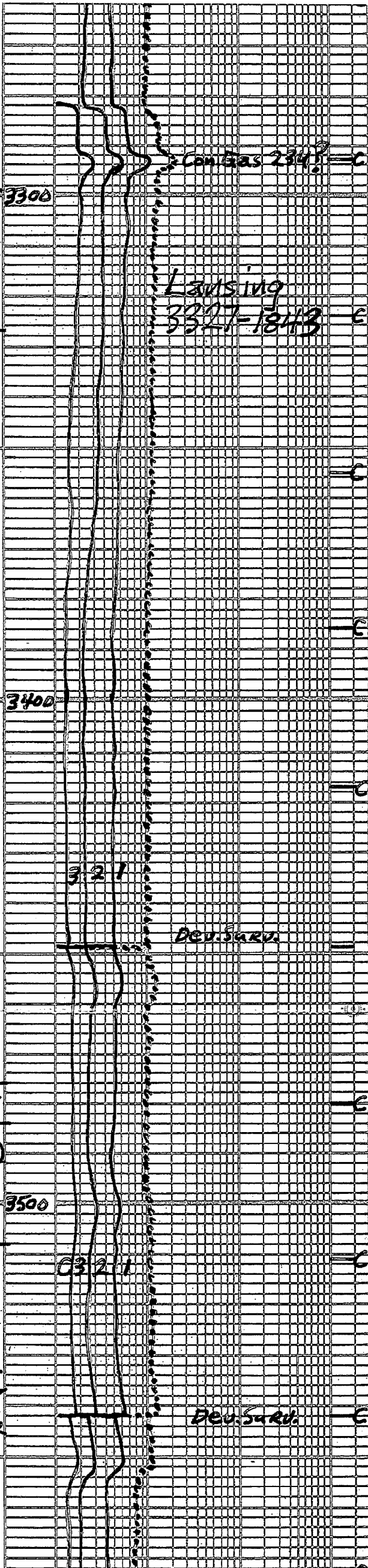
Sh. H. to med. gray-sli to very
silty IP's grading to siltstn.;
sli. to fely. micaceous IP's
v. abn. Qtz sst stringing in
samples

Lms. grayish. tan to tau; crypto
to v.v. fn. xln; sub-chlk,
sub-sucro. & packstone;
phantom oolitic IP's; dul. h. yel
to dul. yel. fluor.; No Cut;
w/v. widely scattered trs
very. poor p.p. to micro-p.p
por. w/prob. scattered
interbeds shs. med to drk.
gray. - calc

Lms. H. gray to tau; crypto. to
fn. xln. w/trs. med. xln; sub-
chlk, sub-sucro to trs. sucro.
phantom oolitic or phantom
oolitic; dul. h. yel. fluor.
No Cut; hvy. trs pr. to tr. ppt
micro-pp por & poss. vugular por

3484-3508 Lms. similar 3327-3476

Interbedded Limestones & Shales.
① Lms. grayish. tan to tau; crypto.
to v.v. fn. xln; trs. sub-chlk,
hvy. trs sub-sucro. & packstns
dul. yel. fluor.; No Cut; No Vis Por.
② Lms. H. to med gray-sli. to extly
shly. grading to v. calc. shls.
crypto. xln; packstn; No fluor
No Cut; No Vis Por
③ Sh. med to v. drk. gray-sli to
v. calc. IP's



shly. gray to v. calc. shls;
crypto. xln; packstn; No fluor
No Cut; No Vis Por

③ Sh. med to v. drk. gray - sli to
v. calc. IP's

Dev. Surf. E

3600

Lms. tes. wht. to cream - chlk & H. tan
to tan; crypto. to v. v. fn. xln; j
sub-chlk; sub-sucro to sucro
phantom oolitic; or phant. oolitic
IP's; dul. yel. fluor; No cut; Vis por
Tol. p.p.; micro pp & poss. interxln por
only v. sli. tes. of sample is real???

Lms. H. gray, grayish-tan to tes. tan; crypto
to v. v. fn. xln; tes sub-chlk;
Sub-sucro. + packstn; v. dul. yel.
fluor. IP's; No cut; No Vis Por
w/ prob. interbeds sh s
med to v. drk. gray - calc. IP's

Con Gas 2307

Sh Gas Show 224

Recycle 160

Trap Check E

Poss. Lms. similar 3611-3627
only the sli. tes. in samples???

Geological
Notes

Lms. grayish-tan to tan; crypto to
tes v. v. fn. gr; tes sub-chlk,
tes. sub-sucro, packstn. and
tes. sub-lithogr. sli tes very
dul yel. fluor; No Cut; No Vis Por

3700

Lms. grayish-tan to tan; crypto to
v. v. fn. xln; phantom oolitic to
oolitic w/ phantom oolitic; sub-sucro
to tes sub-sucro; dul. yel. fluor; No cut
abn. packstn; fctogd pp. to micro pp
porosity

KANSAS CITY A

3763-2279

Blk. sh 844c

3744-3758 Lms similar 3678-3738
sli shly IP's

Sh. v. drk. gray to black - carb
Sh. med to v. drk. gray - sh to v. calc.

Lms. similar 3738-3744

Recycle 400

Blk. sh 554c

Sh. v. drk. gray to black - carb

3800

Lms. similar 3678-3738
Lms. tan, grayish. IP's; crypto to v. v. fn. xln
phantom oolitic to oolitic; or phantom
oolitic to oolitic; many sub-sucro
to sucro + packstn; dul. yel. fluor.
No cut; abn. packstn; qd to excel. oolitic
p.p.; micro pp & prob interxln por.

Recycle 324

KANSAS CITY B

3797-2313

Lms. H. gray - sli shly to tan; crypto
to v. v. fn. xln; tes sub-chlk,
sub-sucro + packstn; tes. dul
yel. fluor. IP's; No Cut; No Vis Por

© EFS

No Cut; abn. pr. tr. qd. to ex. col. mic. p.p., mic. opp. prob. inter. por.

Lms. H. gray - sl. shly to tan; crypto to v.v. fu. xlu.; trs. sub-chlk, sub-succo + packstn; trs. dul. yel. fluor. IP's; No Cut; No vis. por.

Sh. med to v. drk. gray - sl. to very calc to black-carb. looking

Lms. H. gray to tanish-gray. crypto to v.v. fu. xlu.; trs. sub-succo packstn. + trs. sub-lithogr. trs. dul. yel. fluor. IP's; No Cut; No vis. por.
? Sh. v. drk. gray to black-carb?

Lms. H. gray to tan; crypto. to v.v. fu. xlu.; trs. sub-chlk, sub-succo packstn. + trs. sub-lithogr. trs. dul. yel. fluor. IP's; No Cut No vis. por.

Sh. v. drk. gray to black-carb

Lms. similar 3912-3948

Sh. v. drk. gray to black-carb.

Lms. similar 3912-3948 becoming very shly IP's

Sh. v. drk. gray to black-carb.

Lms. similar 3912-3948 becoming extly shly. gradng. to very calc. shales

Shs. drk. gray to v. drk. gray + black; sl. to very carb. and sl. to very calc. IP's

Chert wht. w/ spid to even brown oil stn; good oil order; sl. to highly weathered w/ trs to hv trs. fresh; glau. yel. fluor. w/ flush to good stream. cuts.

AS 3 2 1 3797-2313

Blk Sh 690

Pawnee 3954-2470

Blk Sh 500

F. Scott 3986-2502

4000

Cherokee 4004-2520

Dev. Surv.

WOB 3200-3400
RAM 85
SPM 54
PP 1300

Mississippi 4100-2616

Sho 880-4
C 4 5 3 A

Chert wht. w/ sptd to even brown oil stu; good oil order; sli. to highly weathered w/ trs to hvy trs. Fresh; gldn. yel. fluor. w/ flush to good streaking. Cuts; abn. pr. to fr. + trs good to excel. pp. to micro-pp por.

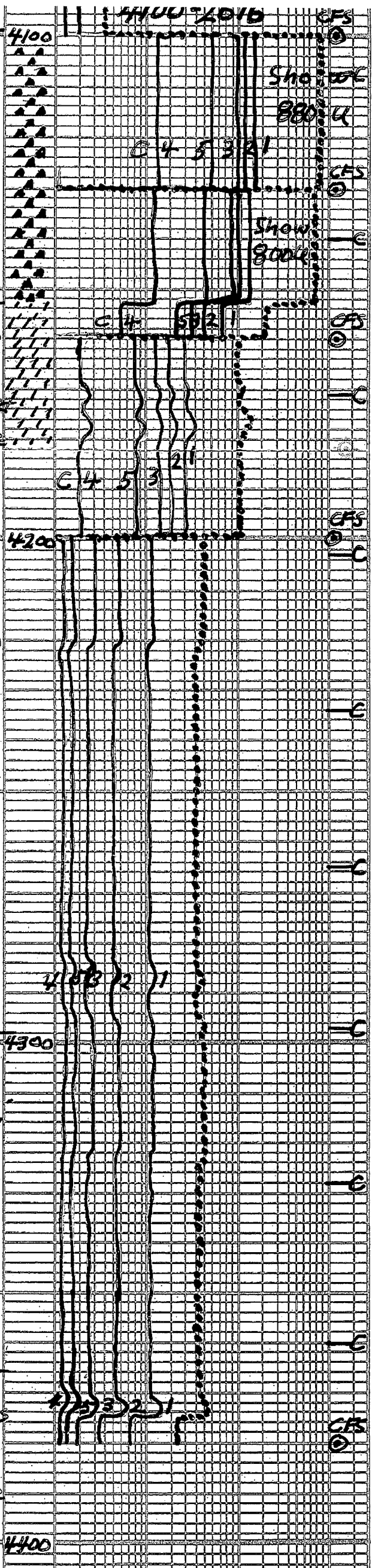
Dol. wht, crm. to tan, crypto. to v. fn. xln; chlk, sub-chlk, sub-sucro to sucro, widely scattered trs sptd. brn. oil. stu. w/ gldn. yel. fluor w/ faint to fair streaking cuts No Vis Por. w/ abn wht. Fresh chert + trs. chert similar. 4100-4153 poss streaking in samples from above.

Dol., hvy Dol to Dol. Lmst. crm. H. tan to tan; crypto to v. fn. xln sub-chlk; sub-sucro; dul. lt. yel fluor; No cuts; No Vis Por w/ trs. to abn. wht. Fresh chert - opaque (poss from above)

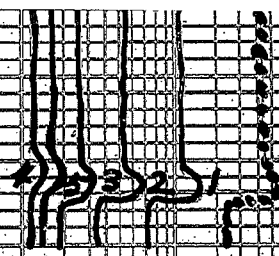
Lms. sli to very Dolomitic IP's; Tan, grayish IP's; crypto. to v. fn. xln; trs sub-sucro, packets + trs. sub-lithogr.; dul. yel to dul. lt. yel. fluor; No cut No Vis Por.; w/ trs to hvy trs Chert wht to lt. gry; opaque

Poss. Sh Death Hole Samples Shs lt. gry to dk. grys, greens Reds, ect could be New - could be Old w/ abn lms of unknown origins - sort of like the rest of this hole

7/8 inch Bit Info in out



Poss. Sh Death Hole Samples
 Shs lt. grey to v. dk. grays, greens
 Reds, ect could be New -
 Could be Old w/ Uabu lumps
 of unknown origins -
 sort of like the rest of this hole
 TD 4380



CFS
 ©

7 7/8 inch Bit Info in out
 #1 New Smith F12Y 355' 4380'
 Dev. Surv.
 1. 991 3/4° 5. 3417 3 1/2° ??
 2. 1509 3/4° 6. 3511 3/4°
 3. 2017 1° 7. 4013 1°
 4. 3398 1° 8. 4380 3/4° TD

4400

Cor. Points
 1. 3830 4. 4130 7. 4380 TD
 2. 3970 5. 4160
 3. 4100 6. 4200

Daily Drilg. Report

1. 2948	7:00 AM	9-28-13
2. 3000	9:53 AM	9-28-13
3. 3668	7:00 AM	9-29-13
4. 4096	7:00 AM	9-30-13
5. 4450	7:00 AM	10-1-13
6. 4480	7:00 AM	10-2-13

No DST's Run

Mud Info:

Date	9-27	9-28	9-29	9-30	10-1
Time	4:30P	2:30A	8:00A	4:00P	1:30P
Depth	2385	3201	3676	4200	4380
Wt.	9.3	9.0	9.5+	9.4	9.5+
Vis	27	41	48	42	70
PV	-	13	15	14	20
YP	-	14	16	14	24
GS	-	9/36	14/44	14/38	18/68
WL	NC	10.8	12.4	10.4	9.4
Cake Hvy.	1/32	1/32	1/32	1/32	
pH	7.0	10.0	10.0	11.5	10.5
CH	10800	10000	12000	5500	5000
Ca Hvy	80	80	80	80	
LCM	0	0	0	2	3

OPERATOR BEREXCO LLC
 LEASE TJADEN A NO. 7-13
 ELEVATION 1484KB RTD 4380

LOCATION 2302 FNL + 340 FEL
 SEC. 13 TWP. 30S RANG. 8W
 COUNTY KINGMAN STATE KANSAS

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/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 15, 2013

Evan Mayhew
BEREXCO LLC
2020 N. BRAMBLEWOOD
WICHITA, KS 67206-1094

Re: ACO1
API 15-095-22275-00-00
Tjaden A 7-13
NE/4 Sec.13-30S-08W
Kingman County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Evan Mayhew