



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1200529
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: _____

1200529

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			
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)*

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	Burk Trust 'A' 2-23
Doc ID	1200529

All Electric Logs Run

Dual Induction
Dual Compensated
Microresistivity
Borehole Compensated

Robert D. Hendrix

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Murfin Drilling Company Inc.**

LEASE **Burk Trust A #2-23**

FIELD **East Fork**

LOCATION **1800'fml & 1320'fml**

SEC **23** TWP **1s** RGE **36w**

COUNTY **Rawlins** STATE **Kansas**

CONTRACTOR **Murfin Drilling Co. Inc. Rig #2**

SPUD **12/16/13** COMP **12/19/13**

RTD **4:56:07** LTD **4:56:17**

MUD UP **3:34:27** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3:55:07** TO **7TD**

DRILLING TIME KEPT FROM **3:56:07** TO **7TD**

SAMPLES EXAMINED FROM **3:56:07** TO **7TD**

GEOLOGICAL SUPERVISION FROM **3881'**

GEOLOGIST ON WELL **Robert D. Hendrix**

FORMATION TOPS

ANHYDRITE

NEVA

FORAKER

TOPEKA

OREAD

LANSING

STARK SHALE

BKC

ELEVATIONS

KB **3268'**

DF _____

GL **3257'**

Measurements Are All From **Kelly Bushing**

CASING

CONDUCTOR SURFACE **8:58:08** at **280'**

PRODUCTION **5.12"**

ELECTRICAL SURVEYS

Promote, Induction, Micro, Sonic

Resener Energy Services

FORMATION TOPS

ELECTRIC LOG

SAMPLE

Anhydrite

Neva

Foraker

Topeka

Oread

Lansing

Stark Shale

BKC

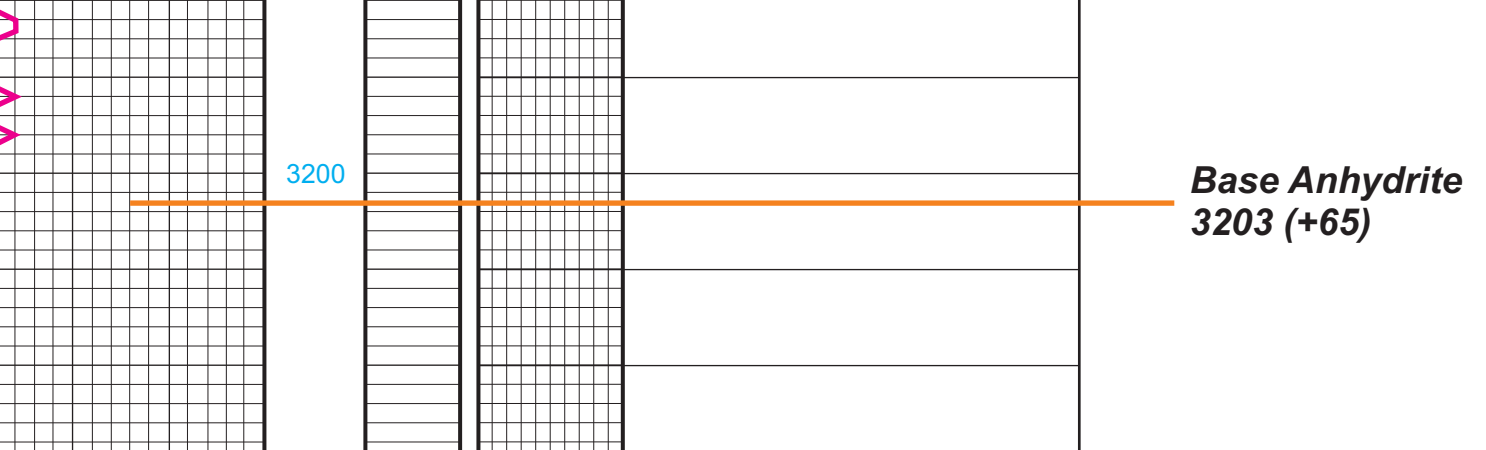
AP# 15-153-20971



REMARKS:

This test was drilled with a PDC bit from surface to TD. I was only able to confidently make a call on Lansing and Stark tops due to lack of drilling character. The shows in this well should be further tested.

LEGEND



DEPTH	LITHOLOGY	SAMPLE DESCRIPTION	REMARKS
3150	Anhydrite		Anhydrite 3170 (+98)
3200	Anhydrite		Base Anhydrite 3203 (+65)
3250	Anhydrite		
3300	Anhydrite		
3350	Anhydrite		
3400	Anhydrite		
3450	Anhydrite		
3500	Anhydrite		
3550	Anhydrite		
3600	Anhydrite		
3650	Anhydrite		
3700	Anhydrite		
3750	Anhydrite		
3800	Anhydrite		
3850	Anhydrite		
3900	Anhydrite		
3950	Anhydrite		
4000	Anhydrite		
4050	Anhydrite		
4100	Anhydrite		
4150	Anhydrite		
4200	Anhydrite		
4250	Anhydrite		
4300	Anhydrite		
4350	Anhydrite		
4400	Anhydrite		
4450	Anhydrite		
4500	Anhydrite		
4550	Anhydrite		
4600	Anhydrite		

Murfin Drilling Co Inc
Burk Trust A #2-23
1800'fml & 1320'fml
23-1-36w, Rawlins County, Kansas
KB=3268', GL=3257'
API: 15-153-20971

Burk Trust 'A' #2-23
 Daily Drilling Report
 Page Two

MDCI Burk Trust 'A' #2-23 1800' FNL 1320' FWL Sec. 23-T1S-R36W 3268' KB							MDCI Burk Trust 'A' #1-23 2225' FNL 330' FWL Sec. 23-T1S-R36W 3225' KB	
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	3167	+101	+1	3167	+101	+1	3125	+100
B/Anhydrite	3203	+65	-2	3201	+67	Flat	3158	+67
Neva				3653	-385	-3	3607	-382
Red Eagle				3714	-446	-4	3667	-442
Foraker				3762	-494	-3	3716	-491
Topeka				3984	-716	-7	3934	-709
Oread				4088	-820	-3	4042	-817
Lansing	4189	-921	-3	4190	-922	-4	4143	-918
Stark	4409	-1141	-1	4409	-1141	-1	4365	-1140
BKC				4459	-1191	-1	4415	-1190
RTD	4560	-1292					4520	-1295
LTD				4561	-1293		4520	-1295



acct.
Prod-LH

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 140442

Invoice Date: Dec 16, 2013

Page: 1

Voice: (817) 546-7282

Fax: (817) 246-3361

Bill To:
Murfin Drlg. Co., Inc. 250 N. Water STE #300 Wichita, KS 67202

Customer ID	Field Ticket #	Payment Terms	
Murfin	62175	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Dec 16, 2013	1/15/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Burk Trust A #2-23		
245.00	CEMENT MATERIALS	Class A Common	17.90	4,385.50
9.00	CEMENT MATERIALS	Chloride	64.00	576.00
257.25	CEMENT SERVICE	Cubic Feet Charge	2.48	637.98
948.80	CEMENT SERVICE	Ton Mileage Charge	2.60	2,466.88
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
80.00	CEMENT SERVICE	Pump Truck Mileage	7.70	616.00
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
80.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	352.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Mike McKampson		
1.00	OPERATOR ASSISTANT	Adam Flipse		

0699

Subtotal	10,821.61
Sales Tax	391.96
Total Invoice Amount	11,213.57
Payment/Credit Applied	
TOTAL	11,213.57

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 3,787.56

ONLY IF PAID ON OR BEFORE

Jan 10, 2014



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
12/20/2013	25353

BILL TO
Murfin Drilling Co Inc PO Box 661 Colby, KS 67701-0661
USED FOR <u>IC 103</u>
APPROVED <u>[Signature]</u> FH

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-23	Burk Trust A	Rawlins	Company Tools	Oil	Development	Cement LongStri...	Don
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				145	Miles	6.00	870.00
578D-L	Pump Charge - Long String - 4553 Feet				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
290	D-Air				5	Gallon(s)	42.00	210.00T
403-5	5 1/2" Cement Basket				3	Each	300.00	900.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	375.00	375.00T
409-5	5 1/2" Turbolizer				15	Each	90.00	1,350.00T
413-5	5 1/2" Roto Wall Scratcher				20	Each	40.00	800.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				200	Sacks	14.50	2,900.00T
276	Flocele				50	Lb(s)	2.50	125.00T
283	Salt				1,000	Lb(s)	0.20	200.00T
284	Calseal				10	Sack(s)	35.00	350.00T
285	CFR-1				141	Lb(s)	4.50	634.50T
330	Swift Multi-Density Standard (MIDCON II)				300	Sacks	18.50	5,550.00T
276	Flocele				150	Lb(s)	2.50	375.00T
581D	Service Charge Cement				500	Sacks	2.00	1,000.00
583D	Drayage				3,687.28	Ton Miles	1.00	3,687.28
	Subtotal							22,026.78
	Sales Tax Rawlins County						7.90%	1,182.59

**Thank You For Your Business &
Best Wishes For A Wonderful Holiday Season!!**

Total \$23,209.37



CHARGE TO: Murtin Dr. Co
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 25353

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Hays, KS
 2. Ness City, KS
 3.
 4. REFERRAL LOCATION

WELL/PROJECT NO. 2-23
 TICKET TYPE SERVICE
 SALES
 CONTRACTOR CS
 WELL TYPE Oil
 INVOICE INSTRUCTIONS

LEASE Bark Tract 'A'
 COUNTY/PARISH Rauilins
 RIG NAME/NO.
 WELL CATEGORY Oilfield
 JOB PURPOSE Cement Logging

STATE KS
 CITY
 DELIVERED TO Ny/Bearclay, KS
 WELL PERMIT NO.
 DATE 12-20-13
 ORDER NO.
 WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.		
575					MILEAGE #113	195	Mi.		4000	87000
578					Ramp Change - cut long string	1	pcr	4553	84	152000
281					Liquid R/C	4	gal		2500	10000
281					Black Rock	520	gal		125	64500
290					D-Air	5	gal		4200	21000
703					Cement Baskets	3	ba	5 1/2 in	30000	90000
706					Labor Down Plug + Battle	1	pcr	5 1/2 in	27500	27500
707					Insert Heatshie w/ Nut 1571	1	pcr	5 1/2 in	37500	37500
709					Turboliners	15	pcr	5 1/2 in	9000	135000
713					Rotoball Scrubbers	20	pcr	5 7/8	4000	80000
719					Rotating Head Rodtel	1	pcr	5 1/2 in	20000	20000

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED 12-20-13 TIME SIGNED 01:30 P.M.

SWIFT OPERATOR [Signature] APPROVAL [Signature]

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

TOTAL 23,209.37

Thank You!



Swanton, Ill

PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 24353

CUSTOMER
Merlin Dyer Co

WELL
2-23 Bunk Trust A

DATE
12-20-13

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT			QTY	UNIT	QTY	UNIT		
395					Standard Cement EA2	200	SKS	1800	15	14.50	2900.00
276					Ebece 1/4 # SKS	50	lbs			2.50	125.00
283					Salt 12 #	1200	lbs			.78	200.00
284					Asphalt 5 #	910	lbs	10	SKS	35.00	350.00
285					CFR-1 3/4 #	141	lbs			4.50	634.50
330					SAND Cement	300	SKS	2970	15	18.50	5550.00
276					Ebece 1/2 # SKS	150	lbs			2.50	375.00
581										2.00	1000.00
583										1.00	3687.28

CONTINUATION TOTAL 14821.76

SERVICE CHARGE Cement
MILEAGE TOTAL WEIGHT 50859 lbs
LOADED MILES 195
TON MILES 3687.2775

CUBIC FEET 520 SKS
2.00 1000.00
1.00 3687.28

JOB LOG

SWIFT Services, Inc.

DATE 2-20-13 PAGE NO. 1

CUSTOMER Mudco Drilling Co.

WELL NO. 2-23

LEASE Burk Trust 'A'

JOB TYPE Cement Longstring

TICKET NO. 25353

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0130					15 1/2	5 1/2	TD 4560 ON location w/ float equipment
	0230							Rig LD - Rathole Start 5 1/2" casing to 4553' 100' of Rath - Wall scratches Insert float shoe / w Auto fill L.D. Baffle - SJ - 21' = 4532 = 107.9 Cant #1-2-3-5-6-7-8-10-11-12-13-14 16-23-33 (Tubing) Cut Baskets #17-24-34 Break cir #66 - 1/2 HR Cont. run casing Drop & Up ball - 5 Jts and Fin Casings - St. cir / Rotate Fin cir.
	0315							SMD cut @ 13 1/2 gal
	0415							Plug RH-30 SKS MH-20 SKS
		5	12				300	Pump 500 gal Mud Flush
		6	20				350	Pump 20 BBL KCL Flush
		5					300	Start SMD cut @ 11.2 gal
		5	140				400	Fin SMD - 250 SKS SMD
		4					300	Start EA-2 cut - 200 SKS EA-2
			190				Vac	Fin cut - Washout pump thrus
		9						Drop L.D. Plug Start Displ
			50				300	Caught cut 11.7H
		8	60				400	Slow rate
		7	70				700	Slow rate
		6	80				800	Slow rate - cut cir to pit
		6	105				1000	Press before plug down
	0800	0	108				1400	Plug Down - hold - Release & hold Washup & Lockup
							2000	Washup & Lockup
								50 SKS cut circulate to pit
								JOB Complete
	0830							

Alan, Jon & Doug & John J.
50 SKS cut circulate to pit

JOB Complete

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

April 30, 2014

Francis Hitschmann
Murfin Drilling Co., Inc.
250 N WATER STE 300
WICHITA, KS 67202-1216

Re: ACO-1
API 15-153-20971-00-00
Burk Trust 'A' 2-23
NW/4 Sec.23-01S-36W
Rawlins County, Kansas

Dear Francis Hitschmann:

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 12/16/2013 and the ACO-1 was received on April 21, 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