

Well will not be drilled or Permit Expired Date: \_

Signature of Operator or Agent:

For KCC Use:	
Effective Date:	
District #	
SGA? Yes No	

# KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1259182

Form C-1

March 2010

Form must be Typed

Form must be Signed

All blanks must be Filled

# **NOTICE OF INTENT TO DRILL**

Expected Spud Date:	Spot Description:
month day year	Sec Twp S. R
DPERATOR: License#	(0/0/0/0) feet from N / S Line of Section
Name:	feet from E / W Line of Section
ddress 1:	Is SECTION: Regular Irregular?
ddress 2:	(Note: Locate well on the Section Plat on reverse side)
City: State: Zip: +	County:
Contact Person:	Lease Name: Well #:
hone:	Field Name:
CONTRACTOR: License#	Is this a Prorated / Spaced Field?
lame:	Target Formation(s):
Well Drilled For: Well Class: Type Equipment:	Nearest Lease or unit boundary line (in footage):
Oil Enh Rec Infield Mud Rotary	Ground Surface Elevation:feet MS
Gas Storage Pool Ext. Air Rotary	Water well within one-quarter mile:
Disposal Wildcat Cable	Public water supply well within one mile:
Seismic ; # of Holes Other	Depth to bottom of fresh water:
Other:	Depth to bottom of usable water:
If OWWO: old well information as follows:	Surface Pipe by Alternate: I II
	Length of Surface Pipe Planned to be set:
Operator:	Length of Conductor Pipe (if any):Projected Total Depth:
Well Name: Original Total Depth:	Frojected Total Deptin Formation at Total Depth:
Original Completion Bate Original Total Beptil	Water Source for Drilling Operations:
irectional, Deviated or Horizontal wellbore?	Well Farm Pond Other:
Yes, true vertical depth:	DWR Permit #:
Bottom Hole Location:	( <b>Note:</b> Apply for Permit with DWR )
(CC DKT #:	Will Cores be taken?
	If Yes, proposed zone:
AFF	
	IDAVIT
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Side Two



For KCC Use ONLY	
API # 15	

#### IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

Operator:	Location of Well: County:
ease:	feet from N / S Line of Section
Nell Number:	feet from E / W Line of Section
Field:	Sec Twp S. R
Number of Acres attributable to well:	is section.   Thequial of   Thequial
	If Section is Irregular, locate well from nearest corner boundary.
	Section corner used: NE NW SE SW
	PLAT
•	est lease or unit boundary line. Show the predicted locations of
	s required by the Kansas Surface Owner Notice Act (House Bill 2032). a separate plat if desired. 2800 ft.
	2800 ft.
	LEGEND
	: O Well Location
	Tank Battery Location
	Pipeline Location  Electric Line Location
	Lease Road Location
	·
	EXAMPLE :
7	330 ft. : : : : : : : : : : : : : : : : : : :
	· · · · · · · · · · · · · · · · · · ·
: : : :	1980' FSL
	<u> </u>

NOTE: In all cases locate the spot of the proposed drilling locaton.

#### In plotting the proposed location of the well, you must show:

- 1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
- 2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
- 3. The distance to the nearest lease or unit boundary line (in footage).
- 4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (C0-7 for oil wells; CG-8 for gas wells).
- 5. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.



# KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1259182

Form CDP-1 May 2010 Form must be Typed

# **APPLICATION FOR SURFACE PIT**

Submit in Duplicate

Operator Name:		License Number:	
Operator Address:			
Contact Person:		Phone Number:	
Lease Name & Well No.:		Pit Location (QQQQ):	
Type of Pit:  Emergency Pit Burn Pit  Settling Pit Drilling Pit  Workover Pit Haul-Off Pit  (If WP Supply API No. or Year Drilled)  Is the pit located in a Sensitive Ground Water A	Pit is:  Proposed  If Existing, date continue.  Pit capacity:  urea?  Yes	Existing nstructed: (bbls)	SecTwp R East West Feet from North / South Line of Section Feet from East / West Line of Section County Chloride concentration: mg/l (For Emergency Pits and Settling Pits only)
Is the bottom below ground level?  Yes No	Artificial Liner?	No	How is the pit lined if a plastic liner is not used?
Pit dimensions (all but working pits):	Length (fee		Width (feet)
If the pit is lined give a brief description of the li material, thickness and installation procedure.	ner		dures for periodic maintenance and determining cluding any special monitoring.
Distance to nearest water well within one-mile of	of pit:	Depth to shallo Source of inforr	west fresh water feet. nation:
feet Depth of water well	feet	measured	well owner electric log KDWR
Emergency, Settling and Burn Pits ONLY:		Drilling, Work	ver and Haul-Off Pits ONLY:
Producing Formation:		Type of materia	l utilized in drilling/workover:
Number of producing wells on lease: Number of world		king pits to be utilized:	
Barrels of fluid produced daily:		Abandonment p	procedure:
Does the slope from the tank battery allow all s flow into the pit? Yes No	pilled fluids to	Drill pits must b	e closed within 365 days of spud date.
Submitted Electronically			
	KCC	OFFICE USE O	Liner Steel Pit RFAC RFAS
Date Received: Permit Num	ber:	Permi	t Date: Lease Inspection: Yes No



### Kansas Corporation Commission Oil & Gas Conservation Division

1259182

Form KSONA-1
January 2014
Form Must Be Typed
Form must be Signed
All blanks must be Filled

# CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application).

Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed: C-1 (Intent) CB-1	(Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)
OPERATOR: License #	Well Location:
Name:	SecTwpS. R East West
Address 1:	County:
Address 2:	Lease Name: Well #:
City:	If filing a Form T-1 for multiple wells on a lease, enter the legal description of
Contact Person:	the lease below:
Phone: ( ) Fax: ( )	
Email Address:	
Surface Owner Information:	
Name:	When filing a Form T-1 involving multiple surface owners, attach an additional
Address 1:	sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the
Address 2:	county, and in the real estate property tax records of the county treasurer.
City:	
the KCC with a plat showing the predicted locations of lease roads, tar are preliminary non-binding estimates. The locations may be entered a Select one of the following:  I certify that, pursuant to the Kansas Surface Owner Notice owner(s) of the land upon which the subject well is or will be CP-1 that I am filing in connection with this form; 2) if the form form; and 3) my operator name, address, phone number, fax,  I have not provided this information to the surface owner(s). I KCC will be required to send this information to the surface of task, I acknowledge that I must provide the name and address that I am being charged a \$30.00 handling fee, payable to the	acknowledge that, because I have not provided this information, the owner(s). To mitigate the additional cost of the KCC performing this is of the surface owner by filling out the top section of this form and KCC, which is enclosed with this form.  If the fee is not received with this form, the KSONA-1
form and the associated Form C-1, Form CB-1, Form T-1, or Form CF  Submitted Electronically	'- I wiii be returnea.
T.	

For KCC Use ONLY	
API # 15	

#### IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

Operator: KLM Exploration Company, Inc.	Location of Well: County: Jefferson
Lease: Seaver	2800 feet from N / S Line of Section
Well Number: 21	330 feet from 区 E / ☐ W Line of Section
Field: McLouth Storage	Sec 7 Twp. 10 S. R. 20 X E W
Number of Acres attributable to well:  QTR/QTR/QTR/QTR of acreage: N2 - NF - NE - SE	Is Section. Regular or Irregular
amount of the acteage.	
	If Section is Irregular, locate well from nearest corner boundary.  Section corner used: NE NW SE SW
Chaw leading of the wall. Chaw factors to the paraget to	
Show location of the well. Show footage to the nearest le lease roads, tank batteries, pipelines and electrical lines, as requ	
	parate plat if desired. 2800 ft.
	2800 ft.
	LEGEND
	O Well Location
	Tank Battery Location
	Pipeline Location
	Electric Line Location
	Lease Road Location
	EXAMPLE
	34-7
/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	330 ft.
//	
	1980'FSL
	SEWARD CO. 3390' FEL
	7

NOTE: In all cases locate the spot of the proposed drilling locaton.

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- 5. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.



Southern Star Central Gas Pipeline, Inc. 4700 Hwy 56 P.O. Box 20010 Owensboro, Kentucky 42301 Phone 270/852-5000

June 29, 2015

Sent via E-mail

Kansas Corporation Commission 266 North Main Street, Suite 220 Wichita, KS 67202-1513 Attn: Mr. Rick Hestermann

Re: KLM Exploration Company, Inc. Notice of Intent to Drill Oil Wells, Sec 7, T10S, R20E, Jefferson County, KS

Dear Mr. Hestermann:

Southern Star Central Gas Pipeline, Inc ("Southern Star") is the owner and operator of the McLouth Gas Storage Field in Jefferson and Leavenworth Counties, KS. KLM Exploration Company, Inc. ("KLM") has provided Southern Star notices of Intent to Drill Oil Wells in Section 3, Township 10S, Range 20E, in Jefferson County, Kansas. KLM apparently plans to drill four wells (Seaver #20, Seaver #21, Seaver #22 and Seaver #23) within the boundaries of the McLouth Gas Storage Field. The approximate location of the Seaver #20 is 2,150 feet from the south section line and 990 feet from the east section line; the approximate location of the Seaver #21 is 2,475 feet from the south section line and 990 feet from the east section line; the approximate location of the Seaver #22 is 2,155 feet from the south section line and 330 feet from the east section line; and the approximate location of the Seaver #23 is 2,475 feet from the south section line and 330 feet from the east section line. The projected total depth of both wells is 1,600 feet, with the formation at that depth being the McLouth Sand.

Southern Star submits this letter pursuant to K.A.R. 82-3-311 (d), which permits a natural gas storage field operator to respond to a 30-day notification of an oil operator of their intent to drill through the storage field. The rule permits the storage field operator to recommend the manner, methods and materials be used in drilling and completing wells drilled through the storage field. Southern Star submits the following recommendations:

- 1) KLM shall set surface casing in accordance with Commission requirement;
- 2) KLM shall install, test and maintain blowout prevention valves and related equipment;
- 3) KLM shall employ rotary drilling methods and use drilling mud of sufficient weight and with proper additives to contain the pressure of the storage field (Request the current bottom hole pressure from Southern Star prior to commencing drilling operations);

- 4) KLM shall add an adequate amount of biocide to prevent any contamination by drilling and completion fluids carrying or containing sulfate reducing bacteria and/or acid producing bacteria.
- 5) KLM shall cement all casing strings with cement circulated to the surface;
- 6) KLM shall use all reasonable precautions during drilling operations to protect the McLouth storage reservoir and in the event of any emergency in any way affecting the storage reservoir, KLM shall immediately notify Southern Star and the KCC, and shall utilize all methods and procedures; available to protect the public, fresh water and the McLouth storage reservoir;
- 7) KLM shall notify Southern Star at least one week before drilling commences;
- 8) KLM shall furnish Southern Star a copy of all tests and well logs following completion of the well;
- 9) In the event hole is lost or abandoned and KLM decides to plug and abandon the well, KLM shall clean out the well to total depth drilled and shall plug the well with solid with Class A cement to surface;
- 10) KLM shall provide Southern Star access to the well site at all times during the drilling, completion, operation or plugging of the well and access to all records relating to the drilling, equipping, maintenance, operation, or plugging of the well;
- 11) KLM shall provide Southern Star access to the well to inspect or test the well and review all operational records during the life of the well;
- 12) KLM shall conduct its operations, within the McLouth Gas Storage Field, while gas is stored under these lands, to prevent the escape of gas from and the intrusion of water or other substances into any formation in which gas is so stored;
- 13) KLM shall not commence any manner or form of secondary or tertiary recovery within the McLouth Gas Storage Field; and
- 14) KLM shall not utilize well/formation fracture treatments, water/steam flooding, and/or other well stimulation techniques within the McLouth Gas Storage Field. KLM shall not initiate fractures within the McLouth Storage Reservoir and/or through the overlying or underlying strata.

In summary, Southern Star does not object to KLM's proposed drilling of the Seaver #20, #21, #22 and #23 wells, as long as the above conditions are imposed on KLM. Southern Star reserves its right to comment and be heard in any and all formal proceedings before the KCC related to the proposed wells referenced above.

If you have any questions, please give me a call at 270-852-4554.

Respectfully Submitted,

Tim Meyer

Manager, Storage Services

Copies to:

KLM Energy Solutions, Inc.

Attn: Mr. Jim Goad

Conservation Division 266 N. Main St., Ste. 220 Wichita, KS 67202-1513



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

Sam Brownback, Governor

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

July 28, 2015

Jim Goad KLM Exploration Company, Inc. 600 E LAKE PO BOX 151 MCLOUTH, KS 66054-5205

Re: Drilling Pit Application Seaver 21 SE/4 Sec.07-10S-20E Jefferson County, Kansas

#### Dear Jim Goad:

District staff has inspected the above referenced location and has determined that the reserve pit shall be constructed <u>without slots</u>, the bottom shall be flat and reasonably level, and the free fluids must be removed. The fluids are to be removed from the reserve pit as soon as practical after drilling operations have ceased.

If production casing is set all completion fluids shall be removed from the working pits daily. NO completion fluids or non-exempt wastes shall be placed in the reserve pit.

The fluids should be taken to an authorized disposal well. Please call the District Office at (620) 432-2300 when the fluids have been removed. Please file form CDP-5 (August 2008), Exploration and Production Waste Transfer, through KOLAR within 30 days of fluid removal.

A copy of this letter should be posted in the doghouse along with the approved Intent to Drill. If you have any questions or concerns please feel free to contact the District Office at (620) 432-2300.