

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 1120164

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
OPERATOR: License#	(O/O/O/O) feet from N / S Line of Section
Name:	feet from E / W Line of Section
Address 1:	Is SECTION: Regular Irregular?
ddress 2:	(Note: Locate well on the Section Plat on reverse side)
city:	County:
Contact Person:	Lease Name: Well #:
hone:	Field Name:
ONTRACTOR: 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):
	Ground Surface Elevation:feet MS
Oil Enh Rec Infield Mud Rotary	Water well within one-quarter mile:
Gas Storage Pool Ext. Air Rotary 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:
	Surface Pipe by Alternate: I II
If OWWO: old well information as follows:	Length of Surface Pipe Planned to be set:
Operator:	Length of Conductor Pipe (if any):
Well Name:	Projected Total Depth:
Original Completion Date: Original Total Depth:	
	Water Source for Drilling Operations:
Directional, Deviated or Horizontal wellbore?	Well Farm Pond Other:
Yes, true vertical depth:	DWR Permit #:
Bottom Hole Location:	(Note: Apply for Permit with DWR)
CC DKT #:	Will Cores be taken?
	— — — — — — — — — — — — — — — — — — —
	If Yes, proposed zone:
AF	If Yes, proposed zone:
	FIDAVIT
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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:			Loca	Location of Well: County:								
ease:								feet fro	m	N /	S Line	of Section
Vell Number: _								feet fro	m _	E /	W Line	of Section
Field:			Sec	SecTwpS. R 🗌 E 🔲 W				W				
umber of Acre	es attributable	to well:			l- 0		D		1			
					- IS S	ection:	Regular or	Irre	egular			
	FR/QTR/QTR/QTR of acreage:				If Section is Irregular, locate well from nearest corner boundary. Section corner used: NE NW SE SW							
leas			. Show footage lines and electri You	to the neares	required by	the Kansa	as Surface Owr					
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330 ft.

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.

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

- 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.

CORRECTION #2 1120164

Kansas Corporation Commission Oil & Gas Conservation Division

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)	Pit is: Proposed Existing If Existing, date constructed: Pit capacity: (bbls)		SecTwp R East WestFeet from North / South Line of SectionFeet from East / West Line of Section County		
Is the pit located in a Sensitive Ground Water A	rea? Yes	No	Chloride concentration: mg/l (For Emergency Pits and Settling Pits only)		
Is the bottom below ground level?	Artificial Liner?	No	How is the pit lined if a plastic liner is not used?		
Pit dimensions (all but working pits):	Length (fee	et)	Width (feet) N/A: Steel Pits		
If the pit is lined give a brief description of the li material, thickness and installation procedure.	om ground level to dee	Describe proce	dures for periodic maintenance and determining any special monitoring.		
Distance to nearest water well within one-mile of	of pit:	Depth to shallo Source of infor	west fresh water feet. mation:		
feet Depth of water well	feet	measured	well owner electric log KDWR		
Emergency, Settling and Burn Pits ONLY: Producing Formation: Number of producing wells on lease: Barrels of fluid produced daily: Does the slope from the tank battery allow all s flow into the pit? Yes No Submitted Electronically		Type of materia Number of work Abandonment p Drill pits must b	over and Haul-Off Pits ONLY: all utilized in drilling/workover: king pits to be utilized: procedure: de closed within 365 days of spud date.		
KCC OFFICE USE ONLY					
Date Received: Permit Num	ber:		Liner Steel Pit RFAC RFAS t Date: Lease Inspection: Yes No		

CORRECTION #2 KANSAS CORPORATION COMMISSION

1120164

Form KSONA-1 July 2010 Form Must Be Typed Form must be Signed All blanks must be Filled

CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

OIL & GAS CONSERVATION DIVISION

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 (C	Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)
OPERATOR: License #	Well Location:
Name:	Sec TwpS. R 🗌 East 🗌 West
Address 1:	County:
Address 2:	Lease Name: Well #:
City: State: Zip:+	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: State: Zip:+	
the KCC with a plat showing the predicted locations of lease roads, tank	dic Protection Borehole Intent), you must supply the surface owners and a batteries, pipelines, and electrical lines. The locations shown on the plat in the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.
owner(s) of the land upon which the subject well is or will be lo	ct (House Bill 2032), I have provided the following to the surface ocated: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form being filed is a Form C-1 or Form CB-1, the plat(s) required by this and email address.
	cknowledge that, because I have not provided this information, the vner(s). To mitigate the additional cost of the KCC performing this fee, payable to the KCC, which is enclosed with this form.
If choosing the second option, submit payment of the \$30.00 handling form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-	fee with this form. If the fee is not received with this form, the KSONA-1 will be returned.
Submitted Electronically	

SGOMI T34S, R7W, 6th P.M. Well location, KAUP 3407 #16-2H, located as shown in the SW 1/4 SW 1/4 of Section 16, T34S, R7W, 6th P.M., Harper County, Kansas. BASIS OF ELEVATION SPOT ELEVATION LOCATED AT THE NORTHEAST CORNER OF SECTION 22, T33S, R7W, 6th P.M. TAKEN FROM THE ANTHONY, QUADRANGLE, KANSAS, HARPER COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 1348 FEET. BASIS OF BEARINGS 2012 UELS Alum. Cap BASIS OF BEARINGS IS A G.P.S. OBSERVATION. 0.2' Below Ground, In Road NAD 27 Kansas South Concrete Stone NAD 27 Kansas South N: 155885.83 N: 155938.12 E: 21124053.30 E: 2118774.51 S89°40'18"W - 5278.89' (Meas.) (Meas. 72, 2630.82 2622. M. 91 NO0"46"17 2012 UELS Alum. Cap 0.7' Below Ground, In Road NAD 27 Kansas South N: 153263.45 E: 2118823.79 SCALE 2012 UELS Alum. Cap 0.2' Below Ground, 16 In Road NAD 27 Kansas South N: 1553307.61 E: 2124099.70 (Meas. 75, Detail "A" 2622. 870' -KAUP 3407 #16-2H NO1.02,20.10N 855 Elev. Ungraded Ground = 1358' 845 10' <u>See Detail "A"</u> 5/8" Rebar 0.3' High, @ Right Fence Post NAD 27 Kansas South N: 150665.23 870' E: 2121507.20 5/8" Rebar 0.4" Below Ground, in Gravel Road NAD 27 Kansas South N: 150677.09 S89°42'57 S89°58'55"W - 2638.83' (Meas.) 2624.94' (Meas.) E: 2124146.09 Formation 1685 Entry LINE TABLE LINE DIRECTION LENGTH Large Spike 0.3 Below Ground, 32' 2609.32 In Road NAD 27 Kansas South S58°41'20"E 964.39 53, N: 150641.25 E: 2118882.28 ž 31. 1. .28,30,"M 38,27, Red Sandstone 0.5' Below Ground, Rebar NAD 27 Kansas South N: 148048.10 2012 UELS Alum. Cap 0.4' Below Ground, in Road NAD 27 Kansas South S89'31'29"W - 2620.47' (Meas.) S89°48'21"W - 2628.24' (Meas.) N: 148067.98 E: 2124186.55 5/8" Rebar D.6' Below Ground, In Road NAD 27 Kansas South N: 148015.41 E: 2118937.92 545.19 NOO"40"55"W Target **Bottom** Hole 1685' PK Nail in Asphalt NAD 27 Kansas South N: 145458.87 CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME ON ONDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELLET E: 2124227.01 N89°38'31"W - 2629.06' (Meas.) N89°37'36"W - 2618.93' (Meas.) 5/8" Rebar 0.3' Below Ground, 5/8" Rebar 0.2' Below Ground. In Road NAD 27 Kansas South In Gravel Road
NAD 27 Kansas South REGISTERED LAND SURVEYOR REGISTRATION NO. 1951 STATE OF KANSAS SURVEYING N: 145470.44 N: 145465.00 E: 2118978.83 E: 2121607.99 REV: 02-21-13 C.A.G. REV: 11-07-12 C.A.G. **LEGEND:** REV: 10-22-12 C.A.G. = 90° SYMBOL UINTAH ENGINEERING & = PROPOSED WELL HEAD. 85 SOUTH 200 EAST VERNAL, UTAH 84078 = SECTION CORNERS LOCATED. (435) 789-1017 DATE SURVEYED: DATE DRAWN: NAD 83 (#16-2H TARGET BOTTOM HOLE) **SCALE** NAD 83 (#16-2H FORMATION ENTRY) NAD 83 (#16-2H SURFACE LOCATION) NAD 83 (#16-2H SURFACE LOCATION)

LATITUDE = 37'04'50.19" (37.080608)

LONGITUDE = 98'05'23.62" (98.08989)

NAD 27 (#16-2H SURFACE LOCATION)

LATITUDE = 37'04'50.10" (37.080583)

LONGITUDE = 98'05'22.39" (98.089553)

STATE PLANE NAD 27 (KANSAS SOUTH)

N: 150979.42 E: 2119745.05 NAD 83 (#16-2H TARGET BOTTOM HOLE)
LATITUDE = 37'03'59.36" (37.066489)
LONGITUDE = 98'05'12.63" (98.086842)
NAD 27 (#16-2H TARGET BOTTOM HOLE)
LATITUDE = 37'03'59.27" (37.066464)
LONGITUDE = 98'05'11.40" (98.086500)
STATE PLANE NAD 27 (KANSAS SOUTH)
N: 145841.98 E: 2120658.14 NAD 83 (#16-2H FORMATION ENTRY)
LATITUDE = 37'04'45.23" (37.079231)
LONGITUDE = 98'05'13.45" (98.087069)
NAD 27 (#16-2H FORMATION ENTRY)
LATITUDE = 37'04'45.15" (37.079208)
LONGITUDE = 98'05'12.22" (98.086728)
STATE PLANE NAD 27 (KANSAS SOUTH)
N: 150481.66 E: 2120571.10 = 1000' 02-18-12 07-10-12 PARTY REFERENCES J.P. B.L. C.A.G. G.L.O. PLAT WEATHER HOT **SGOMI**

Unit Description for KAUP 3407 #16-2H

UNIT ACRES: 632.0 acres, more or less

UNIT DESCRIPTION: Section 16, Township 34 South, Range 7 West

• West Half (W/), containing 320 acres, more or less.

Section 21, Township 34 South, Range 7 West

- Northwest Quarter (NW/4), containing 160.0 acres, more or less.
- Southwest Quarter (SW/4) less an 8 acre tract described as beginning at the SW corner of the section, thence running North 132 feet, thence running in a Southeasterly direction to the SE corner of the section, thence running West to the point of beginning, containing 152.0 acres, more or less.

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/

Sam Brownback, Governor

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

February 27, 2013

Damonica Pierson Shell Gulf of Mexico Inc. 150 N DAIRY-ASHFORD (77079) PO BOX 576 (77001-0576) HOUSTON, TX 77001-0576

Re: Drilling Pit Application API 15-077-21886-01-00 Kaup 3407 16-2H SW/4 Sec.16-34S-07W Harper County, Kansas

Dear Damonica Pierson:

According to the drilling pit application referenced above, this pit is to be used for fresh water only. A closed loop system is to be utilized.

If you have any questions or concerns please feel free to contact the District Office at (316) 630-4000.

Summary of Changes

Lease Name and Number: Kaup 3407 16-2H

API/Permit #: 15-077-21886-01-00

Doc ID: 1120164

Correction Number: 2

Approved By: Rick Hestermann 02/27/2013

Field Name	Previous Value	New Value
Depth Of Water Well	73	58
Feet to Nearest Water Well Within One-Mile of	4801	338
Pit KCC Only - Approved By	Rick Hestermann 10/29/2012	Rick Hestermann 02/27/2013
KCC Only - Approved Date	10/29/2012	02/27/2013
KCC Only - CDP1 Steel Pit		Yes
KCC Only - Date Received	10/29/2012	02/27/2013
LocationInfoLink	https://solar.kgs.ku.edu/kcc/detail/locationInform	https://solar.kgs.ku.edu/kcc/detail/locationInform
Number of Feet East or West From Section Line	ation.cfm?section=16&t 885	ation.cfm?section=16&t 870
Number of Feet East or West From Section Line	885	870
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=10 99115	//kcc/detail/operatorE ditDetail.cfm?docID=11 20164

Summary of changes for correction 2 continued

Field Name	Previous Value	New Value
Water Well Within One- Quarter Mile	No	Yes

Summary of Attachments

Lease Name and Number: Kaup 3407 16-2H

API: 15-077-21886-01-00

Doc ID: 1120164

Correction Number: 2

Approved By: Rick Hestermann 02/27/2013

Attachment Name

KAUP 3407 #16-2H LEGAL PLAT

KAUP 3407 16-2H unit desc

Steel