

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

Form C-1 March 2010 Form must be Typed Form must be Signed All blanks must be Filled

# **NOTICE OF INTENT TO DRILL**

Section	Line of Section V Line of Section V Line of Section  de)  #:  Yes No
OPERATOR: License#   Set from   Y	Line of Section V Line of Section V Line of Section  de)  #:  Yes No
Name:	#:No
Address 2:	#:Yes No
Address 2:	#:Yes No
County:	#:Yes No
Contract Person:	#:
Field Name:  CONTRACTOR: License#  Name:  Well Drilled For: Well Class: Type Equipment:  Oil Enh Rec Infield Mud Rotary Seismic: # of Holes Other Oother:  Oil Other:  Oother: # of Holes Other Oother:  Original Completion Date: Original Total Depth:  Original Completion Date: Original Total Depth:  Directional, Deviated or Horizontal wellbore?  KCC DKT #:  The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq. It is agreed that the following minimum requirements will be met:  1. Notify the appropriate district office prior to spudding of well:  2. A copy of the approved notice of intent to drill shall be posted on each drilling rig; 3. The minimum amount of surface pipe as specified below shall be set by circulating cement to the top; in all cases surface pipe shall be must be completed district office on pile of port work on any usable water to surface within 30 days of the spud date or the well shall be plugged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged. In all cases, NOTIFY district office prior to any cemulus belonged.	Yes No
Is this a Prorated / Spaced Field?	
Name:    Mell Drilled For:   Well Class:   Type Equipment:   Ground Surface Elevation:   Search Rec   Infeld   Mud Rotary   Mud Rotary   Mud Rotary   Seismic ;	
Well Drilled For: Well Class: Type Equipment:  Oil	
Oil   Enh Rec   Infield   Wad Rotary   Water well within one-quarter mile:   Water well within one-quarter mile:   Public water supply well within one mile:   Depth to bottom of fresh water:   Depth of Surface Pipe Planned to be set:   Length of Surface Pipe Planned to be set:   Length of Surface Pipe Planned to be set:   Depth of Conductor Pipe (if any):   Projected Total Depth:   Water Source for Drilling Operations:   Well Farm Pond   Other:   DWR Permit #:   Water Source for Drilling Operations:   Well Farm Pond   Other:   DWR Permit #:   Will Cores be taken?   If Yes, proposed zone:   AFFIDAVIT   The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq. It is agreed that the following minimum requirements will be met:   Notify the appropriate district office prior to spudding of well;   A copy of the approved notice of intent to drill shall be posted on each drilling rig;   The minimum amount of surface pipe as specified below shall be set by circulating cement to the top; in all cases surface pipe shall be through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.   If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary prior to plot on propriate district office will be notified before well is either plugged or production casing is cemented in;   If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary prior to plot on production	
Gas	teet MSi
Gas   Storage   Pool Ext.   Cable   Ca	
Depth to bottom of fresh water:   Depth to bottom of fresh water:   Depth to bottom of usable water:   Surface Pipe by Alternate:   I   I   Usength of Surface Pipe Planned to be set:   Length of Conductor Pipe (if any):   Projected Total Depth:   DWR Pormation at Total Depth:   DWR Permit #:   DWR Permit with DWR   DWR Permit #:   DWR	Yes No
Depth to bottom of usable water:    Surface Pipe by Alternate:   I   II   Length of Surface Pipe Planned to be set:   Length of Conductor Pipe (if any):   Projected Total Depth:   Formation at Total Depth:   Water Source for Drilling Operations:   Well Farm Pond Other:   DWR Permit #:   Water Source for Drilling Operations:   Note: Apply for Permit with DWR   Well Farm Pond Other:   DWR Permit #:   Water Source for Drilling Operations:   Note: Apply for Permit with DWR   Well Cores be taken?   If Yes, proposed zone:   AFFIDAVIT  The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq.   It is agreed that the following minimum requirements will be met:   Notify the appropriate district office prior to spudding of well;   A copy of the approved notice of intent to drill shall be posted on each drilling rig;   The minimum amount of surface pipe as specified below shall be set by circulating cement to the top; in all cases surface pipe shall be through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.   If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary prior to pl 5. The appropriate district office will be notified before well is either plugged or production casing is cemented in:   Section 120 DAYS of sp Or pursuant to Appendix 'B' - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II c must be completed within 30 days of the spud date or the well shall be plugged. In all cases, NOTIFY district office prior to any cemulative definition of the spud date or the well shall be plugged. In all cases, NOTIFY district office prior to any cemulative definition of the spud d	Yes N
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Submitted Electronically  Remember to:	id date.
Remember to:	nd date. ementing
Remember to:	nd date. ementing
Remember to:	nd date. ementing
	nd date. ementing
For KCC Use ONLY	nd date. ementing
File Certification of Compliance with the Kansas Surface Owner	nd date. ementing enting.
API # 15 Act (KSONA-1) with Intent to Drill;  - File Drill Pit Application (form CDP-1) with Intent to Drill;	nd date. ementing enting.
Conductor pipe requiredfeetfeetfeetfeet	nd date. ementing enting.
Minimum surface pipe requiredfeet per ALT. I I II - File acreage attribution plat according to field proration orders;	nd date. ementing enting.
Approved by: Notify appropriate district office 48 hours prior to workover or re-	nd date. ementing enting.
- Submit plugging report (CP-4) after plugging is completed (within	nd date. ementing enting.  Notification
This authorization expires:	ad date. ementing enting.  Notification
- If well will not be drilled or permit has expired (See: authorized ex	ad date. ementing enting.  Notification
Spud date: Agent: please check the box below and return to the address below.	and date. ementing enting.  Notification  entry; 60 days);

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:	
Lease:			feet from N / S Line of Sec	ction
Well Numb	oer:		feet from E / W Line of Sec	ction
			SecTwpS. R E W	
		o well:	is Section.     Negulai of     Integulai	
QIR/QIR/	QTR/QTR of acreac	ge:		
			If Section is Irregular, locate well from nearest corner boundary.	
			Section corner used: NE NW SE SW	
			PLAT	
	Show location	on of the well. Show footage to the near	est lease or unit boundary line. Show the predicted locations of	
		_	s required by the Kansas Surface Owner Notice Act (House Bill 2032).	
		You may attach	a separate plat if desired.	
	:			
			LEGEND	
			O Well Location	
			Tank Battery Location	
	:	· · · · · · · · · · · · · · · · · · ·		
	:	: : :	: Electric Line Location	
			Lease Road Location	
		· · · ·	·	
	:			
			EXAMPLE :	
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		14		
	:	· · · · · · · · · · · · · · · · · · ·	·	
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	:	• • •		FSL
	:	:	· : :	
200 (1	. :	: : :		
360 ft	<del>                                     </del>			
	1 :	: : : :		

#### 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.



## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1061694

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:    Burn Pit   Burn Pit	Pit is:	Existing	SecTwp R	
Settling Pit Drilling Pit If Existing, date cor Workover Pit Haul-Off Pit (If WP Supply API No. or Year Drilled) Pit capacity:		(bbls)	Feet from North / South Line of SectionFeet from East / West Line of SectionCounty	
Is the pit located in a Sensitive Ground Water A	rea? Yes N	No	Chloride concentration: mg/l (For Emergency Pits and Settling Pits only)	
Is the bottom below ground level?  Yes No Artificial Liner?  Yes No		0	How is the pit lined if a plastic liner is not used?	
Pit dimensions (all but working pits):	Length (fee	t)	Width (feet) N/A: Steel Pits	
Depth fro	om ground level to deep	pest point:	(feet) No Pit	
If the pit is lined give a brief description of the liner material, thickness and installation procedure.  Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring.				
Distance to nearest water well within one-mile of	of pit:	Depth to shallor Source of inforr	west fresh water feet. mation:	
feet Depth of water well	feet	measured	well owner electric log KDWR	
Emergency, Settling and Burn Pits ONLY: Drilli			over and Haul-Off Pits ONLY:	
Producing Formation:		Type of materia	al utilized in drilling/workover:	
Number of producing wells on lease:		Number of work	king pits to be utilized:	
Barrels of fluid produced daily:		Abandonment p	procedure:	
Does the slope from the tank battery allow all sp flow into the pit? Yes No	pilled fluids to	Drill pits must b	pe closed within 365 days of spud date.	
Submitted Electronically				
KCC OFFICE USE ONLY  Liner Steel Pit RFAC RFAS				
Date Received: Permit Numb	ber:	Permi	it Date: Lease Inspection: Yes No	



## Kansas Corporation Commission Oil & Gas Conservation Division

1061694

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

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 (CB-1)	Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)		
OPERATOR: License #	Well Location:		
Name:	SecTwpS. R East		
Address 1:	County:		
Address 2:	Lease Name: Well #:		
City: State: Zip:+	3 · · · · · · · · · · · · · · · · · · ·		
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 tree			
City:			
the KCC with a plat showing the predicted locations of lease roads, tank	dic Protection Borehole Intent), you must supply the surface owners and k batteries, pipelines, and electrical lines. The locations shown on the plat n the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.		
☐ I certify that, pursuant to the Kansas Surface Owner Notice A owner(s) of the land upon which the subject well is or will be to CP-1 that I am filing in connection with this form; 2) if the form to form; and 3) my operator name, address, phone number, fax, at ☐ I have not provided this information to the surface owner(s). I at KCC will be required to send this information to the surface owner(s).	cknowledge that, because I have not provided this information, the vner(s). To mitigate the additional cost of the KCC performing this		
task, I acknowledge that I am being charged a \$30.00 handling  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		
Submitted Electronically			

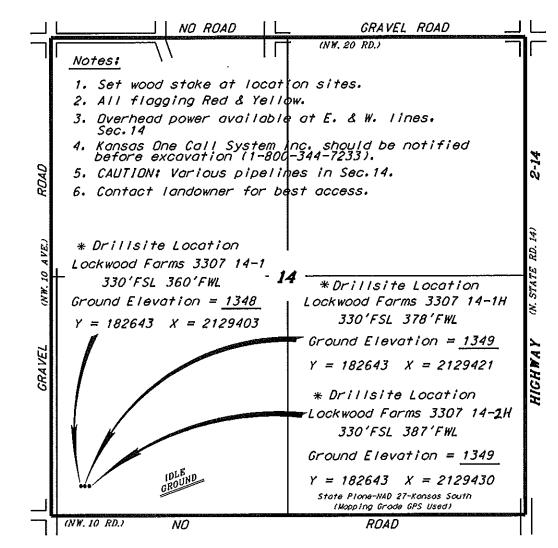
S. 4+00 + W. 4+00 ENTRANCE (FIELD ROUTE) + W. 2+00' 150' x 150' x 8' RESERVE PIT WIDE SAND HAULERS
ACCESS ROAD SWD WELL 150' x 150' x 8' DRILLING PIT + E. 1+00'  $\Phi \Phi \Phi$ [[6] 999 <u></u> SAND TRUCK EXIT
(FIELD ROUTE) + E. 3+00' + <u>E. 5+00</u> RELEASED ONLY FOR: EQUIPMENT:

1 12'-0" × ×
2 12'-0" × ×
3 12'-0" × ×
4 11'-2" ×
6 FREEWATEF
6 FUEL GAS
6 FUEL GAS
7 4'-0" × 2
7 4'-0" × 2
8 GENERATOR
9 TEST SEPA
10 GAS SALES PROJ FAC DATE 12'-0"0 x 20'-0" HT. WATER TANK (TYP. 3)
12'-0"0 x 20'-0" HT. OIL TANK (TYP. 2)
12'-0"0 x 20'-0" HT. WET OIL
11'-2" x 12'-10" SHELL METERING SKID (FUTURE) FREEWATER KNOCKOUT
FUEL GAS SCRUBBER SKID GAS SALES TEST SEPARATOR (FUTURE) GENERATOR (TYP. 2) 4'-0" x 20'-0" HEATER TREATER E EQUIPMENT PLOT PLAN
MULTIPLE WELL FACULTY
ARROWHEAD DEVELOPMENT
HARRER COUNTY, KANSAS
ENGR: MA JONES DON: Y WU
DATE: 08/2011 SCALE: 1" = 40' SHELL EXPLORATION & PRODUCTION COMPANY KS-1000-MX-4024-0001 SCALE IN FEET

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## SHELL GULF OF MEXICO, INC. LOCKWOOD FARMS LEASE SW.1/4. SECTION 14. T33S. R7W HARPER COUNTY. KANSAS



\* Elevations derived from Hatlanai Geodetic Yertical Datum

August 30, 2011

Controlling data is based upon the bast maps and photographs available to us and upon a regular section of land containing 640 cores.

<sup>\*</sup> Approximate section lines were determined using the normal standard of core of alifield surveyors prosticing in the state of Konsas. The section corners, which establish the precise section lines were not incessorily located, and the exact location of the drillistle location in the section is not quaranteed. Therefore, the operator securing this service and occaping this plat and all other parties relying thereon doyee to hold Central Konsas Diffield Services, Inc., its officers and employees hardless from all losses, costs and expenses and sold entities released from any Hobility from inclination or consequential damps.

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 Ward Loyd, Commissioner Thomas E. Wright, Commissioner

September 28, 2011

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

Re: Drilling Pit Application Lockwood Farms 3307 14-1 SW/4 Sec.14-33S-07W Harper County, Kansas

#### **Dear Javier Macias:**

District staff has inspected the above referenced location and has determined that an unsealed condition will present a pollution threat to water resources.

District staff has recommended that the reserve pit be lined with bentonite or native clay, 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 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 (316) 630-4000 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 (316) 630-4000.

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



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Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

## NOTICE TO OPERATORS FILING INTENT TO DRILL FOR DISPOSAL OR ENHANCED RECOVERY INJECTION WELLS, (CLASS II INJECTION WELL)

The attached approved Notice of Intent to Drill indicates the proposed well is to be used for injection. An approved "Intent to Drill" does not approve injection authority as a Class II Injection Well in Kansas.

Before any well is used for injection purposes, the operator must file an application for injection authority in accordance with K.A.R. 82-3-401 and provide notice in accordance with K.A.R. 82-3-402. The Conservation Division must issue a written permit granting the application before commencement of injection.

The Conservation Division requirements and restrictions associated with Class II Injection are identified in K.A.R. 82-3-400 et seq of our regulations. Associated regulations governing drilling, completion and injection applications may be found in K.A.R. 82-3-135, Table I, Table II, in the Cedar Hills Sandstone Moratorium, (Docket #156,397-C), and the Eastern Kansas Surface Casing Order, (Docket #133,891-C).

If you have questions regarding the approval of injection authority, an injection application may be filed as a "Design Approval" before actual drilling and completion of the well occurs. If you have any questions or concerns regarding Class II injection wells or regulations, call the Underground Injection Control Department at 316-337-6200.

Failure to obtain commission approval before beginning injection is punishable by a penalty, shut-in of the well or both.