

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

Expected Spud Date:	Spot Description:
monur day year	
PERATOR: License#	feet from N / S Line of Section
lame:	feet from E / W Line of Section
ddress 1:	Is SECTION: Regular Irregular?
ddress 2:	
State:	County:
Contact Person:	Lease Name: Well #:
hone:	Field Name:
ONTRACTOR: License#	Is this a Prorated / Spaced Field?
ame:	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	Public water supply well within one mile:
Disposal Wildcat Cable Seismic ; # of Holes Other	Depth to bottom of fresh water:
Other:	Depth to bottom of usable water:
	Surface Pipe by Alternate: I
If OWWO: old well information as follows:	Length of Surface Pipe Planned to be set:
Operator:	
Well Name:	Projected Total Depth:
Original Completion Date: Original Total Depth:	
- · · g······ - · · · · · · · · · · · ·	Water Source for Drilling Operations:
Directional, Deviated or Horizontal wellbore? Yes No	Well Farm Pond Other:
f Yes, true vertical depth:	DWR Permit #:
Bottom Hole Location:	(Note: Apply for Permit with DWR)
CCC DKT #:	
CCC DKT #:	
	Will Cores be taken? Yes N If Yes, proposed zone:
AF	Will Cores be taken? If Yes, proposed zone: FIDAVIT
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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:
Lease:	feet from N / S Line of Section
Well Number:	feet from E / W Line of Section
Field:	Sec Twp S. R
Number of Acres attributable to well:	- Is Section: Regular or Irregular
QTR/QTR/QTR/QTR of acreage:	is Section Regular or integular
	If Section is Irregular, locate well from nearest corner boundary. Section corner used: NE NW SE SW
	PLAT
	st lease or unit boundary line. Show the predicted locations of
	required by the Kansas Surface Owner Notice Act (House Bill 2032).
You may attach a	a separate plat if desired.
	LEGEND
	: O Well Location
	Tank Battery Location
	Pipeline Location
	: : : Electric Line Location
	Lease Road Location
	Lease Noau Location
	: :
	EVANDIE
	EXAMPLE
20	
	········
1980 ft.—	
	<u> </u>
	SEWARD CO. 3390' FEL
NOTE: In all cases locate the spot of the proposed drilling	g 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

1041250

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)		SecTwpR East WestFeet from North / South Line of SectionFeet from East / West Line of SectionCounty	
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?		How is the pit lined if a plastic liner is not used?	
Pit dimensions (all but working pits):Length (feet)		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 pit:	Depth to shallo Source of infor	west fresh water feet. mation:	
feet Depth of water wellfeet		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		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: Number of working pits to be utilized: Abandonment procedure: Drill pits must be 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	



Kansas Corporation Commission Oil & Gas Conservation Division

1041250

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:+	If filing a Form T-1 for multiple wells on a lease, enter the legal description o		
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 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 1:			
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, 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			

TOPOGRAPHIC LAND SURVEYORS

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

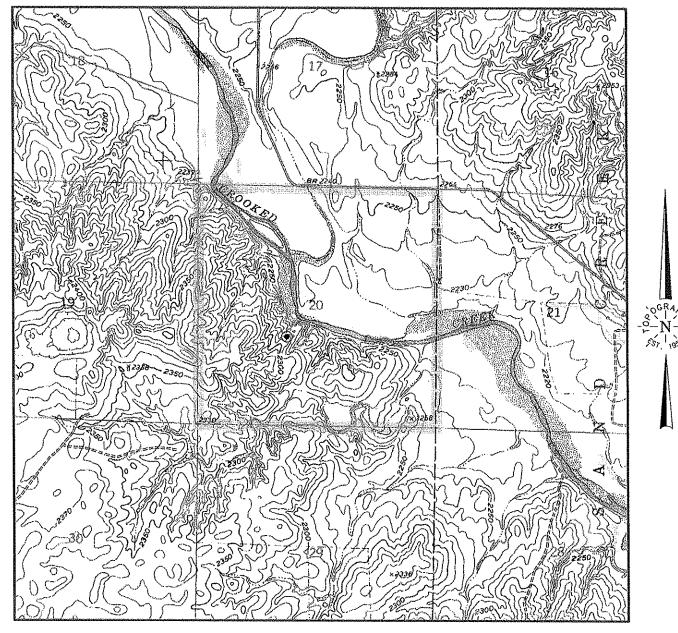
Certificate of Authorization No. LS-99, Exp. Dec 31, 2010 MEADE County, Kansas 34S Range 1980'FSL-1980'FWL Section Township Range **GRID** Scale: 1"= 1000' This location has been very carefully staked on the ground according Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, and have to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed. not been measured. Review this plat and notify us immediately of any possible discrepancy. Operator: APACHE CORPORATION **ELEVATION:** 2283' Gr. at Stake Lease Name: O'BRIEN Well No.: 1-20 Topography & Vegetation Loc. fell in rough hills sandy pasture Reference Stakes or Alternate Location Good Drill Site? _____Yes None Stakes Set From Southwest or North Best Accessibility to Location_ Distance & Direction from Hwy Jct or Town From Meade, KS., go ±13 miles South, then ±3.5 miles East, then ±1 mile South, then 1 mile SW thru Sec. 20 to the SW Cor. Sec. 20-T34S-R27W Date of Drawing: Jul. 21, 2010 The following information was gathered using a GPS receiver Accuracy ±2-3 Meters. Invoice # 157670 Date Staked: Jul. 19, 2010 DATUM:NAD-27 LAT: 37°04'22.1"N **CERTIFICATE:** T. Wayne Fisch _a Registered Land Surveyor and an authorized agent of Topographic Land Surveyors, LONG: 100'16'55.1"W do hereby certify that the above described well location STATE PLANE was surveyed and staked on the ground as shown herein. COORDINATES: ZONE: KS-SOUTH Kansas Reg. No. 1213 1480101 152855

TOPOGRAPHIC LAND SURVEYORS
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. LS-99, Exp. Dec 31, 2010 MEADE __ County, Kansas ip __34S__ Range 1980'FSL-1980'FWL _ Section _ 27W_P.M. _ Township _ Range (660") -1980°-(660')**GRID** Scale: 1"= 1000' 1980' This location has been very carefully staked on the ground according Distances shown in (parenthesis) are calculated based to the best official survey records, maps, and photographs available to upon the Quarter Section being 2640 feet, and have us, but its accuracy is not guaranteed. not been measured. Review this plat and notify us immediately of any possible discrepancy. Operator: APACHE CORPORATION **ELEVATION:** Well No.: 1-20 2283' Gr. at Stake Lease Name: O'BRIEN Topography & Vegetation Loc. fell in rough hills sandy pasture Reference Stakes or Alternate Location None Good Drill Site? _____Yes_ Stakes Set Best Accessibility to Location From Southwest or North Distance & Direction from Hwy Jct or Town From Meade, KS., go ±13 miles South, then ±3.5 miles East, then ±1 mile South, then 1 mile SW thru Sec. 20 to the SW Cor. Sec. 20-T34S-R27W Date of Drawing: Jul. 21, 2010 The following information was gathered using a GPS receiver Accuracy ±2-3 Meters. Invoice # 157670 Date Staked: Jul. 19, 2010 LC **CERTIFICATE:** DATUM:NAD-27 LAT: 37'04'22.1"N I, T. Wayne Fisch a Registered Land Surveyor and an authorized agent of Topographic Land Surveyors, T. Wayne Fisch LONG: 100'16'55.1"W do hereby certify that the above described well location STATE PLANE was surveyed and staked on the ground as shown herein. COORDINATES: ZONE: KS-SOUTH Kansas Reg. No. 1213 1480101 152855

TOPOGRAPHIC LAND SURVEYORS

Surveying and Mapping for the Energy Industry 6709 North Classen Blvd. Oklahoma City, OK 73116 www.topographic.com Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 20 Twp. 34S Rng. 27W

County MEADE State KS

Operator APACHE CORPORATION

Description 1980'FSL-1980'FWL

Lease O'BRIEN 1-20

Elevation 2283' Gr. at Stake

U.S.G.S. Topographic Quadrangle Map IRISH FLATS SE, KS

Above Background Data from U.S.G.S. Topographic Map Scale: 1"=2000'

Contour Interval 10'

This location has been very carefully staked on the ground according to the best official survey records, maps and photographs available to us, but its accuracy is not guaranteed. When elevation is shown hereon it is the ground elevation of the location stake.

Review this plat and inform us immediately of any possible discrepancy.

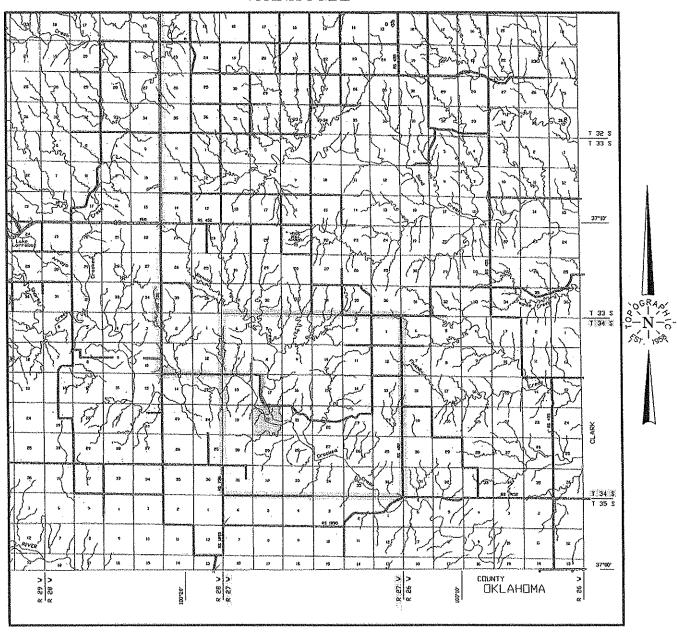


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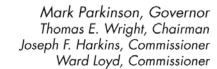
VICINITY MAP



Scale: 1" = 3 Miles

Sec. 20)Twp	34S Rng.	. 27W
County	MEADE	State_	KS
Operator_	APACHE	CORPORATION	I Elde hall de Personal de la constante de la







August 09, 2010

DANNY CHANEY Apache Corporation 6120 SOUTH YALE AVENUE, SUITE 1500 TULSA, OK 74136-4224

Re: Drilling Pit Application O'BRIEN 1-20 SW/4 Sec.20-34S-27W Meade County, Kansas

Dear DANNY CHANEY:

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 as soon as the Hutchinson Salt section has been drilled through and displacement of the fluids into the reserve pit has occurred. The fluids should be removed again after drilling operations have ceased. Keep pits away from draw/drainage.

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) 225-8888 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) 225-8888.