

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:
month day	year Sec Twp S. R E W
OPERATOR: License#	(0/0/0/0) foot from N / S Line of Section
Name:	foot from E / W Line of Continu
Address 1:	L OFOTION D L D L O
Address 2:	
City: State: Zip:	
Contact Person:	Lease Name: Well #:
Phone:	
CONTRACTOR: License#	Field Name:
Name:	is also a restalled reputation.
variie.	Target Formation(s):
Well Drilled For: Well Class: Type Equip	
Oil Enh Rec Infield Mud I	Ground Surface Elevation:feet MSI
Gas Storage Pool Ext. Air Ro	otary Water well within one-quarter mile:
Disposal Wildcat Cable	Public water supply well within one mile: Yes Ves
Seismic ; # of Holes Other	Depth to bottom of fresh water:
Other:	Depth to bottom of usable water:
	Surface Pipe by Alternate: I III
If OWWO: old well information as follows:	Length of Surface Pipe Planned to be set:
Operator:	Length of Conductor Pipe (if any):
Well Name:	D : . IT . ID
Original Completion Date: Original Total Depth	
	Water Source for Drilling Operations:
Directional, Deviated or Horizontal wellbore?	Yes No Well Farm Pond Other:
If Yes, true vertical depth:	DWR Permit #:
Bottom Hole Location:	(Note: Apply for Permit with DWR)
KCC DKT #:	
	If Yes, proposed zone:
The condensioned beauty officers that the drilling accompletion	AFFIDAVIT
	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 n	net:
1. Notify the appropriate district office <i>prior</i> to spudding of	of well;
2. A copy of the approved notice of intent to drill shall be	
3. The minimum amount of surface pipe as specified belo	ow shall be set by circulating cement to the top; in all cases surface pipe shall be set
 The minimum amount of surface pipe as specified belothrough all unconsolidated materials plus a minimum of 	bw shall be set by circulating cement to the top; in all cases surface pipe shall be set of 20 feet into the underlying formation.
3. The minimum amount of surface pipe as specified below through all unconsolidated materials plus a minimum of the well is dry hole, an agreement between the operation.	ow shall be set by circulating cement to the top; in all cases surface pipe shall be set of 20 feet into the underlying formation. ator and the district office on plug length and placement is necessary prior to plugging;
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3. The minimum amount of surface pipe as specified belot through all unconsolidated materials plus a minimum of the very specified below through all unconsolidated materials plus a minimum of the very specified before well appropriate district office will be notified before well to the appropriate district office will be notified before well appropriate district office will be notified bef	Remember to: - File Certification of Compliance with the Kansas Surface Owner Notification Act (KSONA-1) with Intent to Drill; - File Completion Form ACO-1 within 120 days of spud date; - File acreage attribution plat according to field proration orders; - Notify appropriate district office 48 hours prior to workover or re-entry;
3. The minimum amount of surface pipe as specified belot through all unconsolidated materials plus a minimum of the vector of the well is dry hole, an agreement between the operand of the well is dry hole, an agreement between the operand of the specified before well be notified before well be notified before well of the specified before well of the specified before well of the specified of th	Remember to: - File Certification of Compliance with the Kansas Surface Owner Notification Act (KSONA-1) with Intent to Drill; - File Completion Form ACO-1 within 120 days of spud date; - File acreage attribution plug to the Korn plught of the Volume To the CP-4) after plugging is completed (within 60 days);
3. The minimum amount of surface pipe as specified belot through all unconsolidated materials plus a minimum of the very specified belot through all unconsolidated materials plus a minimum of the very specified before well appropriate district office will be notified before well to the appropriate district office will be notified before well to the very specified before well appropriate district office will be notified before well to the appropriate district office will be notified before well to the appropriate will be notified before well to the appropriate district office will be notified before the appropriate district office will be notified before the appropriate district office will be	w shall be set by circulating cement to the top; in all cases surface pipe shall be set of 20 feet into the underlying formation. actor and the district office on plug length and placement is necessary prior to plugging; all is either plugged or production casing is cemented in; anall be cemented from below any usable water to surface within 120 DAYS of spud date. casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing the well shall be plugged. In all cases, NOTIFY district office prior to any cementing. Remember to: - File Certification of Compliance with the Kansas Surface Owner Notification Act (KSONA-1) with Intent to Drill; - File Drill Pit Application (form CDP-1) with Intent to Drill; - File Completion Form ACO-1 within 120 days of spud date; - File acreage attribution plat according to field proration orders; - Notify appropriate district office 48 hours prior to workover or re-entry; - Submit plugging report (CP-4) after plugging is completed (within 60 days); - Obtain written approval before disposing or injecting salt water.
3. The minimum amount of surface pipe as specified belot through all unconsolidated materials plus a minimum of the vector of the well is dry hole, an agreement between the operand of the well is dry hole, an agreement between the operand of the specified before well be notified before well of the appropriate district office will be notified before well of the specified will be notified wi	Remember to: - File Certification of Compliance with the Kansas Surface Owner Notification Act (KSONA-1) with Intent to Drill; - File Drill Pit Application (form CDP-1) with Intent to Drill; - File acreage attribution plua to the Konsas Pion of Act (KSOna) in South Pion (File Completion Form ACO-1 within 120 days of spud date; - File acreage attribution plua taccording to sompleted (within 60 days);

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202 Side Two



For KCC Use ONLY	
API # 15	

Operator: _

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.

Location of Well: County: ___

Lease:					feet from	N / S Line of Section
Well Numb	ber:				feet from	E / W Line of Section
Field:				Sec	Twp S. R	E W
	f Acres attributable to well:			Is Section:	Regular or Irregular	
				If Section is Irre	egular, locate well from nea sed: NE NW S	rest corner boundary.
				ase or unit boundar	y line. Show the predicted loo Surface Owner Notice Act (F	
		You n	nay attach a sep	parate plat if desired	l.	
					LEGE	ND
					Pipeline	ocation attery Location be Location c Line Location Road Location
		12			EXAMPLE	
660 ft. ·						1980' FSL
					SEWARD CO. 3390' FEL	-
	NOTE: In all cases locate	e the spot of the propo	sed drilling lo	caton.		

In plotting the proposed lacation 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

1041334

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	Pit is:		SecTwp R	
Settling Pit Drilling Pit	If Existing, date constructed:		Feet from North / South Line of Section	
Workover Pit Haul-Off Pit (If WP Supply API No. or Year Drilled)	Pit capacity:(bbls)		Feet from East / West Line of Section County	
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?		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 line material, thickness and installation procedure.	ilei		dures for periodic maintenance and determining ncluding any special monitoring.	
Distance to nearest water well within one-mile of pit:		Depth to shallowest fresh water feet. Source of information:		
feet Depth of water wellfeet		measured well owner electric log KDWR		
Emergency, Settling and Burn Pits ONLY:		Drilling, Workover and Haul-Off Pits ONLY:		
Producing Formation:		Type of material utilized in drilling/workover:		
Number of producing wells on lease:		Number of working pits to be utilized:		
Barrels of fluid produced daily:		Abandonment procedure:		
Does the slope from the tank battery allow all spilled fluids to flow into the pit?		Drill pits must be closed within 365 days of spud date.		
Submitted Electronically				
KCC OFFICE USE ONLY Liner Steel Pit RFAC RFAS				
Date Received: Permit Numb	ber:	Permi	t Date: Lease Inspection: Yes No	



Kansas Corporation Commission Oil & Gas Conservation Division

1041334

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).

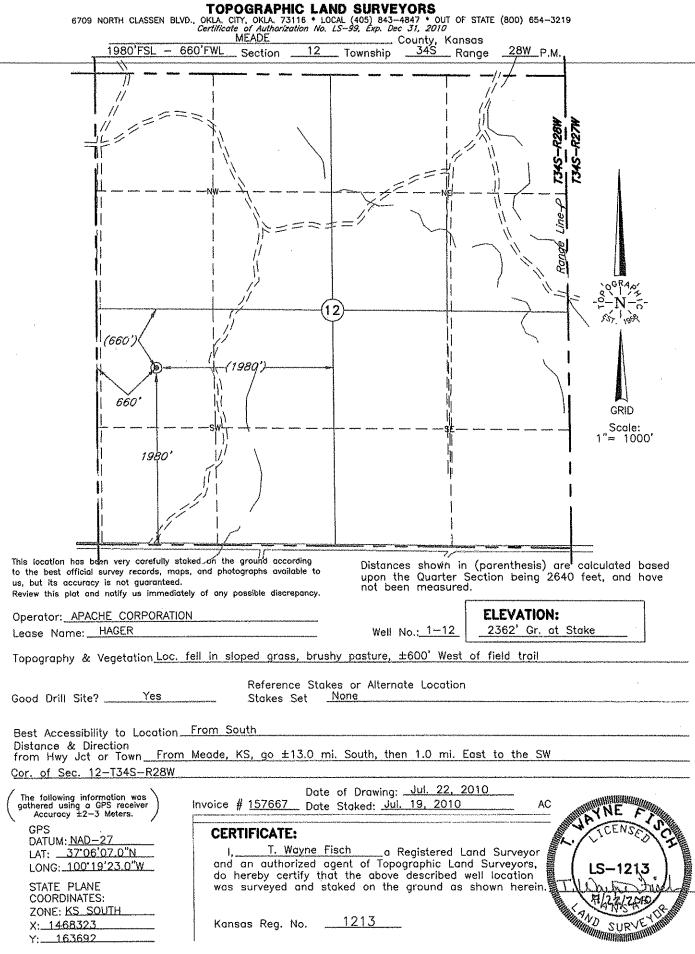
Any such form submitted without an accompanying Form KSONA-1 will be returned.

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 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:	country and in the real estate preparty toy records of the country traceurer		
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

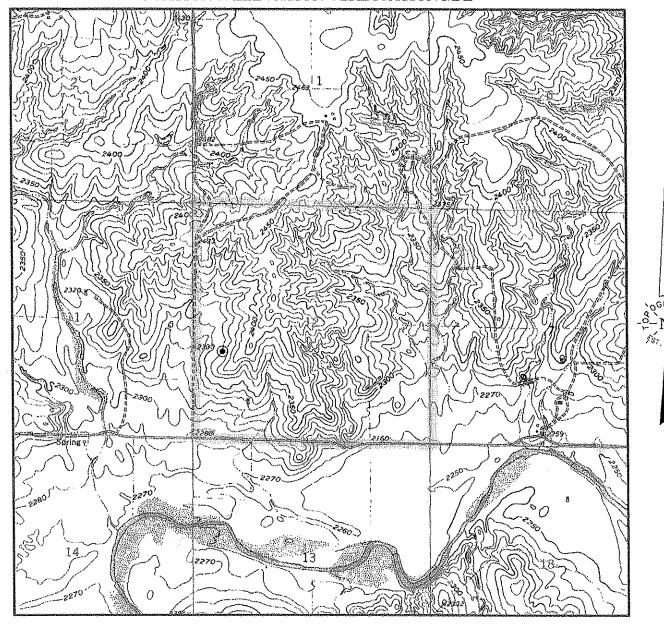
Certificate of Authorization No. LS-99, Exp. Dec 31, 2010 MEADE ... County, Konsas 1980'FSL - 660'FWL Range Section Township 660' PO LED **GRID** Scale: 1"= 1000' This location has been very carefully staked on the ground according Distances shown in (parenthesis) are calculated based upon the Quarter 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. **ELEVATION:** Operator: APACHE CORPORATION 2362' Gr. at Stake Lease Name: HAGER Well No.: 1-12 Topography & Vegetation Loc. fell in sloped grass, brushy pasture, ±600' West of field trail Reference Stakes or Alternate Location Yes Good Drill Site? _____ Stakes Set None Best Accessibility to Location From South Distance & Direction from Hwy Jct or Town From Meade, KS, go ±13.0 mi. South, then 1.0 mi. East to the SW Cor. of Sec. 12-T34S-R28W Date of Drawing: Jul. 22, 2010 The following information was gathered using a GPS receiver Accuracy ±2-3 Meters. Invoice # 157667 Date Staked: Jul. 19, AC **CERTIFICATE:** DATUM: NAD-27 T. Wayne Fisch LAT: <u>37°06'07.0"N</u> _a Registered Land Surveyor and an authorized agent of Topographic Land Surveyors, LONG: 100'19'23.0"W do hereby certify that the above described well location was surveyed and staked on the ground as shown herein. STATE PLANE COORDINATES: ZONE: KS_SOUTH Kansas Reg. No. 1213 X: 1468323 Y: 163692



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. 12 Twp. 34S Rng. 28W

County MEADE State KS

Operator APACHE CORPORATION

Description 1980'FSL - 660'FWL

Lease HAGER 1-12

Elevation 2362' 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.

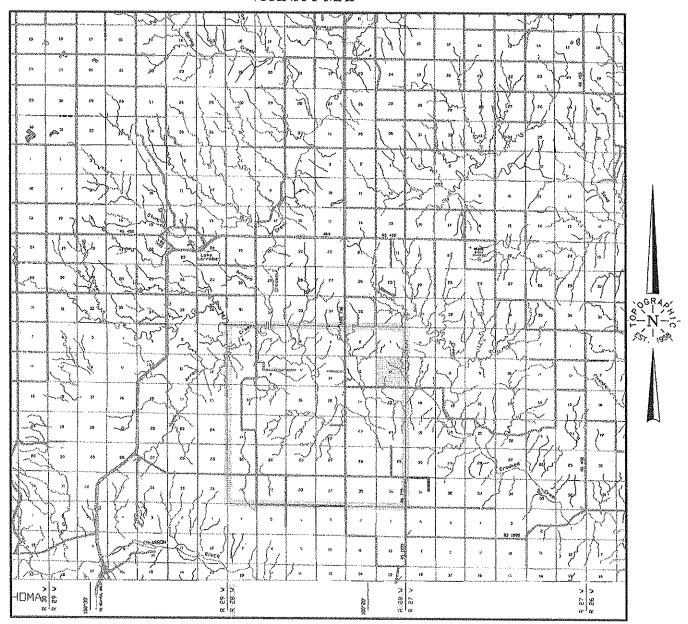
Review this plat and inform us immediately of any possible discrepancy.



TOPOGRAPHIC LAND SURVEYORS

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

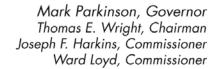
VICINITY MAP



Scale: 1'' = 3 Miles

Sec1	2Twp	34SRng.	28W
County	MEADE	State	KS
Operator	APACHE	CORPORATION	







July 28, 2010

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

Re: Drilling Pit Application HAGER 1-12 SW/4 Sec.12-34S-28W 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.

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.