KOLAR Document ID: 1462455

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| District | # | |
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| | 1 | |
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| SGA? | Yes | No |

Form

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

Must be approved by KCC five (5) days prior to commencing well

| KSONA-1, Certification of Com | pliance with | the Kansas | Surface Own | er Notification Act, | , MUST be submitted w | ith this form. |
|-------------------------------|--------------|------------|-------------|----------------------|-----------------------|----------------|

| Expected Spud Date: | Spot Description: |
|--|---|
| month day year | Sec Twp S. R E W |
| OPERATOR: License# | |
| Name: | feet from L E / W Line of Section |
| Address 1: | Is SECTION: Regular Irregular? |
| Address 2: | (Note: Locate well on the Section Plat on reverse side) |
| City: State: Zip: + | County: |
| Contact Person: | Lease Name: Well #: |
| Phone: | Field Name: |
| CONTRACTOR: License# | Is this a Prorated / Spaced Field? |
| Name: | Target Formation(s): |
| Well Drilled For: Well Class: Type Equipment: Oil Enh Rec Infield Mud Rotary Gas Storage Pool Ext. Air Rotary Disposal Wildcat Cable Seismic ; # of Holes Other Other: | Nearest Lease or unit boundary line (in footage): |
| Directional, Deviated or Horizontal wellbore? | Well Farm Pond Other: |
| If Yes, true vertical depth: | DWR Permit #: |
| Bottom Hole Location: | (Note: Apply for Permit with DWR) |
| KCC DKT #: | 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:

- 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 set** through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.
- 4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary prior to plugging;
- 5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
- 6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within 120 DAYS of spud date. Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing 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 cementing.

Submitted Electronically

| For KCC Use ONLY | |
|-------------------------------|-----------------|
| API # 15 | |
| Conductor pipe required | feet |
| Minimum surface pipe required | _ feet per ALT. |
| Approved by: | |
| This authorization expires: | |
| Spud date: Agent: | |

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.
- If well will not be drilled or permit has expired (See: authorized expiration date) please check the box below and return to the address below.

ш

Well will not be drilled or Permit Expired Date: _ Signature of Operator or Agent: For KCC Use ONLY

API # 15 -___

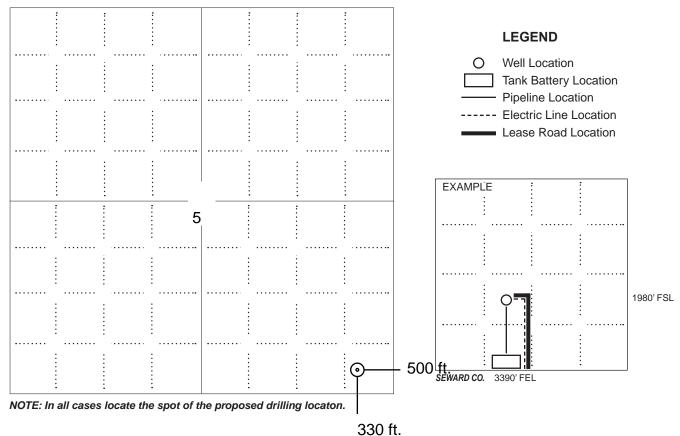
IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

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 E 📃 W |
| Number of Acres attributable to well: | Is Section: Regular or Irregular |
| | If Section is Irregular, locate well from nearest corner boundary. |
| | Section corner used: NE NW SE SW |

PLAT

Show location of the well. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032). You may attach a separate plat if desired.



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.

KOLAR Document ID: 1462455

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form CDP-1 May 2010 Form must be Typed

APPLICATION FOR SURFACE PIT

| Operator Name: License Number: Operator Address: Prone Number: Contact Person: Phone Number: Lesse Name & Well Nu: Prit Location (OQOQO): Type of Pit: Burn Pit Entergency Pit Durling Pit Westing Pit Durling Pit Westing Pit Durling Pit Wit Pit Departs Feet Inon Workcever Pit Handref Pit Westing Pit East Westing Pit Pit Located in a Sensitive Ground Weter Area? Wit Pit Departs Chloride concentration: (bit Pit located in a Sensitive Ground Weter Area? Yes No Chloride concentration: mgrd Is the bottom below ground level? Artificial Line? Hew is the pit lined if a plassic line? How is the pit lined if a plassic line? Pit dimensions (all buit working pits): Longth (cet) Workcever and Hauk-Off Pit Son Nice Departs from ground level? Departs shallowest fresh water foot. Source of information: No No No Pit dimensions (all buit working pits): Longth to shallowest fresh water foot. Source of in | Submit in Duplicate | | | |
|--|---|-----------------------|---|--|
| Contact Person: Phone Number: Lease Name & Well No: Pit Location (QOQO): Type of Pit: Pit is: Benegency Pit Burn Pit Diriting Pit Diriting Pit Workover Pit Hauk-CM Pit Pit copacity: Feet from North / South Line of Section (If WPS Supply API Net or War Differ) Pit copacity: (Workover Pit) Hauk-CM Pit Pit copacity: Coloride concentration: (WDB) Convert (Bit De to alked in a Sensitive Ground Water Area? Yes No (WDB) Chloride concentration: (WDB) Convert (Bit De to alked in a Sensitive Ground Water Area? No (Bit De to alked in a Sensitive Ground Water Area? No (WDB) Chloride concentration: mgr (Bit De to alked in a Sensitive Ground Water Area? No No Pit dimensions (all but working pits): Length (feet) Work is the pit lined if a plastic liner is not used? Pit dimensions (all but working pits): Length (feet) No Pit Depth from ground level to deepest point: Geother procedures for water well within one-mille of pit: <t< td=""><td>Operator Name:</td><td></td><td></td><td>License Number:</td></t<> | Operator Name: | | | License Number: |
| Lease Name & Weil No: Pit Location (QOQQ): Type of Pit: Burn Pit Benegrony Pit Dufling Pit Workower Pit Dufling Pit Workower Pit Haul-Off Pit (WPS supp) API fob. or New Dotted! Pit capacity: (bbl) | Operator Address: | | | |
| Type of PI: Pit is: Pit is: | Contact Person: | | | Phone Number: |
| Image: Section of the section is set of the section in the set of the section is set of the section in the set of the section is set of the section in the set of | Lease Name & Well No.: | | | Pit Location (QQQQ): |
| Setting Pt Diffing Pt If Existing, date constructed: Feet from North / South Line of Section Workover Pt Haul-Off Pt Pt capacity: | Type of Pit: | Pit is: | | |
| Workover Pit | Emergency Pit Burn Pit | Proposed | Existing | SecTwp R East West |
| (I'WP Supply API No. or Year_Diffed) Pit capacity: | Settling Pit Drilling Pit | If Existing, date co | nstructed: | Feet from North / South Line of Section |
| | | Pit capacity: | | Feet from East / West Line of Section |
| Is the bottom below ground level? Artificial Liner? How is the pit lined if a plastic liner is not used? I'ves No I'ves No Pit dimensions (all but working pits): Length (feet) Width (feet) NA: Steel Pits Depth from ground level to deepest point: Width (feet) NA: Steel Pits material, thickness and installation procedures. Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring. Distance to nearest water well within one-mile of pit: Source of information: Source of information: Producing Formation: Producing Wells on lease: Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: Number of producing wells on lease: No Drill pits must be closed within 365 days of spud date. Submitted Electronically Drill pits must be closed within 365 days of spud date. Drill pits must be closed within 365 days of spud date. | | | (bbls) | County |
| \refs No Pt dimensions (all but working pits):Length (feet) | Is the pit located in a Sensitive Ground Water A | rea? Yes | No | |
| Pit dimensions (all but working pits): | | | | How is the pit lined if a plastic liner is not used? |
| Depth from ground level to deepest point: | | Yes 1 | NO | |
| 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 pit: Depth to shallowest fresh water feet. Source of information: feet Depth of water wellfeet Depth of water well feet. Producing and Burn Pits ONLY: Drilling, Workover and Haul-Off Pits ONLY: Producing Vertice of fluid produced daily: Number of working pits to be utilized in drilling/workover: Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No. Drill pits must be closed within 365 days of spud date. Drill pits must be closed within 365 days of spud date. Submitted Electronically Liner Steel Pit REAS | | | | |
| material, thickness and installation procedure. liner integrity, including 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 well feet feet Depth of water well feet Drilling, Workover and Haul-Off Pits ONLY: Producing Formation: | Depth fro | m ground level to dee | epest point: | (feet) No Pit |
| Source of information: feet Depth of water well feet measured well owner electric log KDWR Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: Number of producing wells on lease: Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No KCC OFFICE USE ONLY Liner Steel Pit RFAC | | | | |
| Emergency, Settling and Burn Pits ONLY: Producing Formation: | | | | |
| 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? Yes No Drill pits must be closed within 365 days of spud date. Submitted Electronically KCC OFFICE USE ONLY Liner Steel Pit | | | well owner electric log KDWR | |
| Number of producing wells on lease: | Emergency, Settling and Burn Pits ONLY: Drilling, Wor | | Drilling, Worko | ver and Haul-Off Pits ONLY: |
| Barrels of fluid produced daily: Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No Drill pits must be closed within 365 days of spud date. Dirill pits must be closed within 365 days of spud date. KCC OFFICE USE ONLY Liner Steel Pit RFAS | Producing Formation: Type | | Type of material utilized in drilling/workover: | |
| Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No Drill pits must be closed within 365 days of spud date. Submitted Electronically KCC OFFICE USE ONLY Liner Steel Pit RFAS | Number of producing wells on lease: | | Number of working pits to be utilized: | |
| flow into the pit? Yes No Drill pits must be closed within 365 days of spud date. Submitted Electronically KCC OFFICE USE ONLY Liner Steel Pit RFAS | Barrels of fluid produced daily: Abandon | | Abandonment | procedure: |
| Submitted Electronically KCC OFFICE USE ONLY Liner Steel Pit RFAC RFAS | | | t be closed within 365 days of spud date. | |
| Liner Steel Pit RFAC RFAS | | | | |
| Date Received: Permit Number: Permit Date: Lease Inspection: Yes No | | | | |
| | Date Received: Permit Numl | oer: | Permi | t Date: Lease Inspection: Yes No |

KOLAR Document ID: 1462455

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

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

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: | | | |
| 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 the lease below: | | |
| Contact Person: | | | |
| 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:+ | | | |
| | | | |

If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

Select one of the following:

- □ I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.
- I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I must provide the name and address of the surface owner by filling out the top section of this form and that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

If choosing the second option, submit payment of the \$30.00 handling fee 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 CP-1 will be returned.

Submitted Electronically

Murfin Drilling Company

Vanava #4-5 Sec. 5-13S-32W 330FSL 500FEL Logan County Kansas

Elevation: 3012 est

