For KCC Use:

| Eff | e | ct | iv | е | Date |
|-----|---|----|----|---|------|
| - | | | | | |

| District | ± | |
|----------|------|--|
| DISTINCT | TT . | |

| SGA? | Yes | No |
|------|-----|----|
| | | |

Form

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

March 2010 Form must be Typed Form must be Signed All blanks must be Filled

Form C-1

1067240

NOTICE OF INTENT TO DRILL

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

| KSONA-1, Certificatio | n of Compliance with th | e Kansas Surface Owner | r Notification Act, MUST | be submitted with this form. |
|-----------------------|-------------------------|------------------------|--------------------------|------------------------------|
|-----------------------|-------------------------|------------------------|--------------------------|------------------------------|

| Expected Spud Date: | Spot Description: |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| OPERATOR: License# | |
| Name: | feet from 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.
 - Well will not be drilled or Permit Expired Date: Signature of Operator or Agent:

| - | | | - |
|---|--|--|-------|
| | | | |
| | | | |

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For KCC Use ONLY

API # 15 - ____

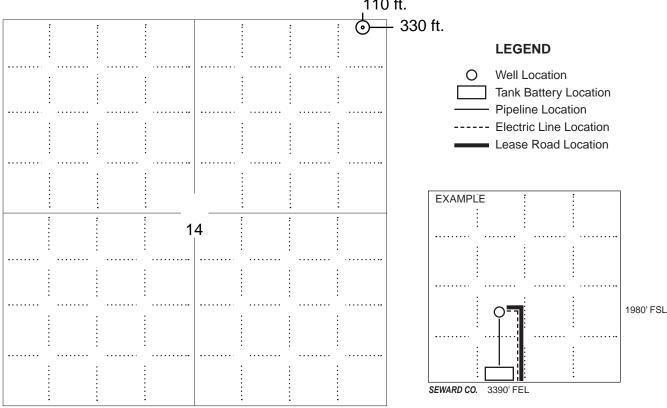
IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

| Operator: | 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: QTR/QTR/QTR/QTR of acreage: | 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. 110 ft.



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

Side Two



KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form CDP-1 Form must be Typed

May 2010

APPLICATION FOR SURFACE PIT

Submit in Dunlicato

| Operator Name: | | ionni în Duplicat | License Number: | | |
|-----------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------|-------------------------------------------------|--------------------------------|--|
| Operator Address: | | | | | |
| Contact Person: | | | Phone Number: | | |
| Lease Name & Well No.: | | | Pit Location (QQQQ): | | |
| Type of Pit: | Pit is: | | · | | |
| Emergency Pit Burn Pit | Proposed | Existing | SecTwpR East 🗌 West | | |
| Settling Pit Drilling Pit | If Existing, date co | nstructed: | Feet from | North / South Line of Section | |
| Workover Pit Haul-Off Pit | | | Feet from | East / West Line of Section | |
| (If WP Supply API No. or Year Drilled) | Pit capacity: | (bbls) | | County | |
| Is the pit located in a Sensitive Ground Water A | rea? Yes | No | Chloride concentration: | | |
| | | | (For Emergency | y Pits and Settling Pits only) | |
| Is the bottom below ground level? | Artificial Liner? | No | How is the pit lined if a plastic | c liner is not used? | |
| | Length (fe | | Width (feet) | N/A: Steel Pits | |
| | m ground level to dee | | | No Pit | |
| If the pit is lined give a brief description of the li material, thickness and installation procedure. | | dures for periodic maintenance cluding any special monitoring | | | |
| Distance to nearest water well within one-mile of | of pit: | Depth to shallor Source of inforr | west fresh water nation: | feet. | |
| feet Depth of water well | feet | measured | well owner | electric log KDWR | |
| Emergency, Settling and Burn Pits ONLY: | | Drilling, Worko | ver and Haul-Off Pits ONLY: | | |
| Producing Formation: | | Type of materia | 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 | | Drill pits must be closed within 365 days of spud date. | | | |
| Submitted Electronically | | | | | |
| | КСС | OFFICE USE OI | | eel Pit | |
| Date Received: Permit Num | ber: | Permi | | eel Pit RFAC RFAS | |

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



KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1067240

CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

Form KSONA-1 July 2010 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 | | | | |
| 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:+ | | | | | |

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:

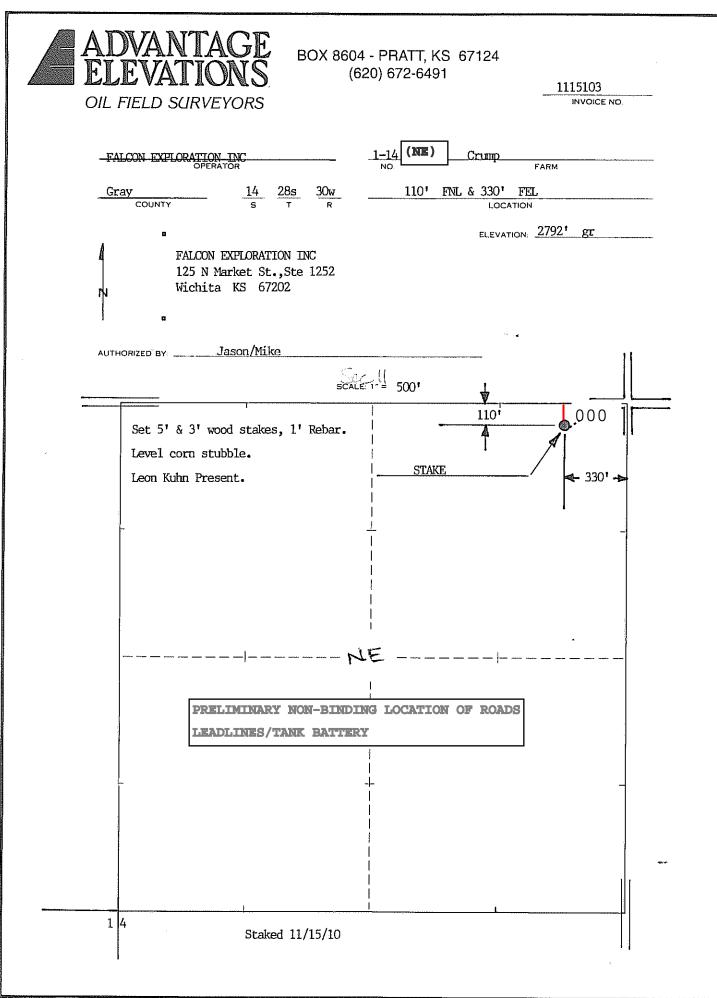
- I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this 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 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

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| Form 68 (produceve) (tev. 1-83 Kars Okis Colp. | - | rmaw- | UF | | | © 1953 David Carter Co |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| | 0 | IL AND G | AS (| LEASE | | |
| | 10th day of | 1 | | January | | ₂₀ 06 |
| between Gus J. Crump and M | Mildred L. Cru | mp, Trustees of t | | ildred L. Crump T | rust dated 3-2 | 2-01 |
| | 2015 Th | ompson Street, D | Dodge | City KS 67801 | | |
| and J. Fred Hambright, Inc., 125 No | orth Market, Suite | 1415. Wichita KS | 67202 | | | hereinafter called |
| That lesser, for and in consideration of the sum and agreements hereinable contained to be perform the hereinatter described tand, with any reversions covered thereby as hereinatter provided, for the pury for, producing and saving elf of the oil, gas, gas conc injecting water, brine, and other faulds and substance and other siturclures theremon necessary or convenier | n of ned by the lesses, has ny rights thorein, and v pose of carrying on ge densate, gas distillate, as into the subsurface ni for the economical o | One this day granted, leased with the right to unitize the ological, geophysical and casinghead gasoline and strata, and for construction peration of said land glor | (\$1.00) a l, and let his tease f other ex f their re- ing roads to or con | and more and by these presents doe or any part thereof with o oploratory work thereon, in pective constituent vopore I, laying pipe lines, building jointly with reichboning lars | Collars in h is hereby grani, lease, and ther cil and gas leases as fuding core drifting and the , and all other gases, lound tanks, storing cil, building tanks, storing cil, building | to all or any part of the drilling, mining, and op thereon, the exclusive power stations, electrica |
| or, and manufacture all of such substances, and the | injection of water, brin | e, and other substances i | into the s | ubsurface strata, said Iraci | of land being situated in th | e County ofGra |
| State of Kansas | a | nd described as follows: <u>ownship 2B South, i</u> Section 14: N/2 a | Rance | 30 West | | |
| containing 400.00 | | acres, more or less. | | | | |
| 2. This lease shall remain in force for a term of | | Three (3) | | vears (called "primary ter | m") and as long lhereafter | PS Oil day casioobaad |
| casinghead gasoline or any of the products covered t | | 2 Th 191 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | |
| The lesses shall deliver to lessor as royalty, fir from the leased premises, or at the lesses's option m oil is run into the pipe line or into storage tanks. | -, -, -, -, -, -, -, -, -, -, -, -, -, - | e, or into the pipe jine to or such one eighth royalt | which le y the ma | asee may connect its wells rivel price at the wellhead f | or oil of like grade and gran | ity prevailing on the day |
| 4. The lessee shall pay to the lessor, as a royaliy, for the manufacture of gasoline or any other product, may pay or lender annually at or before the end of a provided in paragraph 5 hereof, and while said sin.i-first yearly period during which such gas is not sold sit | ech yearly period duri in royalty is so paid or half begin on the date i | the processes received b including their constituen ing which such gos la not tendered, it will be consi the first well is completed | y the les t parts, p l sold, as idered ur i for prod | see from the sale of gas, o roduced from the land tier is shut-in royalty, whethe | us condensate, gas distilla ein leased. If such gas is n | ot sold by the lessee, t |
| If operations for the drilling of a well for oil or ga this lease shall terminate as to both parties, unle | is are not commenced iss the jessee shall or | on said land on or before n or before said date h | the theck | day of | N/A | 20 |
| which Bank and its successors are the lessor's agent | and shall continue as | flank at the depository of any an | , | na navahis indus (http:// | - repair of the lessor's | credit in the or it success |
| | | · CJ | | N/A | | Onli |
| which shall operate as a rental and cover the privileg commencement of operations for diffing may further b of delivered on or bofors the cratial payrag date, either payment, covers not only the privilege granted to the rights conferent. Notwithstanding the death of the less and administrators of such persons. | r direct to lessor or as data when said first re- sor or his successors | signs or to said depositor milal is payable as sfores in interest, the payment o | y bank, i laid, but or lender | and it is understood and ag also the lesses's option of of rentals in the manner a | check of grant of lessee or read that the consideration extending that period as af bove shall be binding on th | like payments or tender any assignee thereof, m first recited herein, the oresaid and any and all ke heirs, devisees, execu- |
| B. In the event said lessor owns a less interest in the paid to said lessor only in the proportion which his inte its or their grantee, this lease shall cover such revers lessee, provided said notics is received by lessee at le | sion, and remuts hereu east 30 days prior to a | ander shell be increased i ny such rental anniversar | atiho ne | ne avera the tae to any m of succeeding rental anniv | erost in sed land should re arsary after written notice o | ivent to lessor, or his hei of such reversion by less |
| 7. The lesses shall have the right to use, free of co he lesses shall bury its pipe lims below plow depth a barn new on said premises without written consent wildings and other structures placed on said premiser | st, ges, oil and water f and shall pay for dama | ound on said land for its i ge caused by its operatio | operation ons to gro | is thereon, except water fro wing crops on said land. A ming, or after the expiration | xh existing wells of the less to well shall be dhilled near tof this lease to remove all | ior. When required by le or than 200 feet to the h machinery, flatures, ho |
| All fills estate of either party hereto is assigned (e. diministrators, successors, end easigns, but no charg ights of lessee, and no change of ownership in the la rights of lessee, and no change of ownership in the right and end instrument of conveyance or a duty of howing appointment of an administrator for the estage unreal necessary in showing a complete chain of title unreal necessary in showing a complete chain of title and find or onry direct or indirect assignee, granitee, date and the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage and the stage of the stage of the stage of the stage and the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of the stage of | and or in the rentals or certified copy thereof, a of any deceased ow | reystics or any sum du or a certified copy of the ner, whichever is approp | o under i will of an visite, tog | this lease shall be binding y deceased owner and of i | , shall operate to enlarge tr on the lessee until it has b he probate thereof, or certi | e obligations or diminisi een furnished with eithe fied copy of the proceen |
| 9. If the leased pramises are now or shall horeafter ontails account hereunder shall be divided among ar here shall be no obligation on the part of the lease therevise, or to furnish separate measuring or receivity older or owner of any such part or parts shall make du softer as it covers a part of said lend upon which the k | be owned in severally nd paid to such sepan to offset walls on sep ng lanks. It is hereby s | or in separate tracts, the allo owners in the proport erate tracts into which th spreed that in the event (| premise tion that le land c his lease | evered by this lease may r shall be assigned as to a | ow or hereafter be divided | o ino entire leased ecre I by sale, devise, desce |
| Lessor horsby warrants and agross to defend vortgages, or other liens existing, leviad, or assesses olders thereof and may reinburse itself by applying to | the title to the land h | normin described and agr | ees that | the lessee, at its option, (| nay pay and discharge in s it shull be submouted to | |
| 11. If at any time prior to discovery of oil or gas on ause, this lease shell not terminate if leases commo ommences or resumes the payment or tender of resh assellon of production. If at the expiration of the prim hall remain in force so long as operations are proz onsecutive days, and if they result in the production of | exid land, leasee sho ences additional drittr izls on or before the re wry term oil or gas is a acuted either on the f oil or gas, this tease s | uid cirill a ciry hole or hole ng or reworking operation satal payment data next a not being produced on as sama wall or any other shall remain in effect so lo | es thereo ris within ensuing a aid land, well the ong there | In, or if after-discovery of a t one hundred-twenty (120 after the expiration of three but lesses is then engage reafter commenced, with after as there is production | it or gas the production the b) days thereafter or (if it i months from the date of c d in drilling or reworking of the cassition of more than 10 foil or near under any one | be within the primary to empletion of the dry hol perations thereon, the le core hundred-twenty (1 pictor of this loss |
| 12. Lessee may all any time surrender or cancel thin ind fease is surrendered and canceled as to only a po- noceled shall cesse and determine and any rentals th asse shall continue and remain in full force and effect fi | is lease in whole or in ortion of the acreage o | part by delivering or mai | iling such | release to the lessor, or t | y placing same of record i | n litre proper county in a |
| 13. All provisions hereof, express or implied, shall ministering the same, and this lease shall not be in ovisions hereof if such failure accords with any such recef from drilling a weil-hereundar by the order of a uspended, but the lessos shall pay delay rentals hereit | be subject to all feder any way terminated w laws, ordans, rules or a | regulations (or interpretat | | ene ne verne si rrangôce i | or issuing to comply with a | IV of the express or imm |
| 14. Lessee, at its option, is hereby given the right a tother lesse. I lesses when, in lesse's ubgrant, it act minorità in and under seld land, auto posing lo nent of a gas and/or condensation or distillaté well, phas the county in which the land is existent of an tratument argument of royalises on production from the pooled on this lesse whather any well is located on the land article lesses shall nearly and production it the and to the lotter mineral arcseles as production it the parts to the lotter mineral arcseles as pooled on the parts are to the lotter mineral arcseles as pooled in the parts | and power to pool or a l is necessary or advis be in a unit or units ne a tolerance of ten pan i dentifying and desard f unit, as if it were inclu- covered by this tease i the unit is pooled onli- cular unit involved. | combine into one or more table to do so in order to of exceeding 40 ecras es cont (10%) to conform to bing the pooled acreage, uted in this tasse. If produ- ted in this tasse. If produ- or not, Any well drilled or y such portion of the roys | Coverna Governa The ent uction is any suc alty stipu | event of an oil well, or in nental Survey queter sect ine acreage so pooled into found on any part of the po ch unit shall be and constitu lated herein as the amount | rease premises to as to p to a unit or units not acceed ons. Lessee shall execute a unit or units shall be trea wied accesse it shall be tre | conste the conservation ding 640 acres each in in writing and file for rec ted for all purposes, exc alled as if production is t |
| 15. This lease and all its terms, conditions, and slipul | | and be binding on ail suc | xessors | of said lessor and lesses. | | |
| PHOTO SEE ATEDACHED A | | | | | A PART HEREO | F |
| | | | | | | |
| INDEXED | | | | | | |
| WITNESS WHEREOF, we sign the day and yea | tr first above written. | | | | | |
| TAX ID# 2-0-60669 | 2 <u>6</u> | | MII | $\frac{1}{\sqrt{2}}$ | IP TRUST DATE | D <u>2/24</u> 0, |
| STATE OF KANSAS, Gray County This instrument was filed for record of | ог. | Srul) | <u>}</u> | SJ. CRUMP | USTEE D | bruc |
| the 27 day of FebA.D. 20 C | <u> </u> | <u> </u> | | | - | |

| | | 1 |
|-------------|-----------------------------------------------|---------------|
| | STATE OF KANSAS, Gray County | E C Y |
| | This instrument was filed for record or. | |
| <u>_</u> t_ | the 27 day of FCDA D. 20 06 | |
| - | at 33M. and duly recorded in Book | |
| | O on Page 239-240 | لتشعيده وراجع |
| ~ | marla Dichi | |
| | Register of Deeds O | |
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|----------------------|-----------------|
| GUS J. CRUMP/TRUSTEE | mp truites |

-MILDRED L. CRUMP, TRUSTEE-

PROD 88 (REV 10/92)

PAID UP OIL AND GAS LEASE

THIS LEASE AGREEMENT is made as of the 3rd day of January, 2011, between Carrie Nichols, as Trustee of the Carrie Nichols Trust under agreement dated, 3/14/2006, 201 Aztec St., Monteruma, KS 67867, as Lessor (whether one or more) and Paramount Land, Inc., P.O. Box 1278, Cimarron, KS 67835, as Lessee.

Description. Lessor in consideration of Ten (\$10.00) and more dollars and other good and valuable consideration, in hand paid and the covenants herein contained, hereby grants, leases and lets exclusively to Lessee the following described land, hereinafter called leased premises:

Township 28 South, Range 30 West Section: 11 SE/4

in the county of GRAY, State of KANSAS, containing 160.00 gross acres, more or less (including any interests therein which Lessor may hereafter acquire by In the county of the exact, state of reactions, containing tourne gross acres, more or tess (including any interests increation which Lessor may netreatier acquire by reversion, prescription or otherwise), for the purpose of exploring for, developing, producing and marketing oil and gas, along with all hydrocarbon and nonhydrocarbon substances produced in association therewith. The term "gas" as used herein includes helium, carbon dioxide and other commercial gases, as well as hydrocarbon gases. In addition to the above-described land, this lease and the term "leased premises" also covers accretions and any small strips or parcels of land now hydrocation gases, in addition to the approved struct land, this lease and the term reased premises and covers accretions and any small strup of parents of name to be or hereafter owned by Lessor which are contiguous or adjacent to the above-described land, and, in consideration of the aforementioned eash bonus, Lessor agrees to execute at Lessee's request any additional or supplemental instruments for a more complete or accurate description of the land so covered. For the purpose of determining the amount of any shut-in royalties hereunder, the number of gross acres above specified shall be deemed correct, whether actually more or less, 2. Term of Lease. This lease, which is a "paid-up" lease requiring no rentals, shall be in force for a primary term of Three (3) years from beginning March 28, 2011, and for as long thereafter as oil or gas or other substances covered hereby are produced in paying quantities from the leased premises or from lands pooled therewith or

3. Royalty Payment. Royalties on oil, gas and other substances produced and saved hereunder shall be paid by Lessee to Lessor as follows: (a) For oil and other liquid hydrocarbons separated at Lessee's separator facilities, the royalty shall be three-sixteenths (3/16ths) of such production, to be delivered at Lessee's option to Lessor at the wellhead or to Lessor's credit at the oil purchaser's transportation facilities, less a proportionate part of ad valorem taxes and production, severance or other excise taxes and the costs incurred by Lessee in delivering, treating or otherwise marketing such oil or other liquid hydrocarbons, provided that Lessee shall have the continuing right to sell such production to itself or an affiliate at the wellhead market price then prevailing in the same field (or if there is no such price then prevailing containing fight to set such production to itset or an altitude at the weinead market price then prevailing in the same field, then in the nearest field in which there is such a prevailing price) for production of similar grade and gravity; (b) for gas (including casinghead gas) and all other substances covered hereby, the royalty shall be three-sixteenths (3/16/hs) of the proceeds realized by Lessee from the sale thereof, less a proportionate other substances, provided that Lessee shall have the continuing right to sell such production to itself or an affiliate at the prevailing wellhead market price paid for a production of similar grade and gravity; (b) for gas (including casinghead gas) part of ad valorem taxes and production, severance, or other excise taxes and the costs incurred by Lessee in delivering, processing or otherwise marketing such gas or other substances, provided that Lessee shall have the continuing right to sell such production to itself or an affiliate at the prevailing wellhead market price paid for an affiliate in the same field, then is the same field in the same field in the target field in the same field. production of similar quality in the same field (or if there is no such price then prevailing in the same field, then in the nearest field in which there is such a prevailing production of similar quality in the same field (or if there is no such preceding prevailing in the same field, then in the nearest field in which there is such a prevailing price) pursuant to comparable purchase contracts entered into on the same or nearest preceding date as the date on which Lessee commences its purchases hereunder, other substances covered hereby in paying quantities, but such wells on the leased premises or lands pooled therewith are capable of producing oil or gas or their students to the reduce the nearest to be ing sold by Lessee, such well or wells are either shut in or production thereform is not being sold by Lessee, such well or wells are either shut income to the source of the substances. shall nevertheless be deemed to be producing in paying quantities for the purpose of maintaining this lease. If for a period of 90 consecutive days such wells are shut in or production therefrom is not being sold by Lessee, then Lessee shall pay an aggregate shut-in royalty of one dollar per acre then covered by this lease, such since no production interform is not being solu by Lessee, then Lessee solution pay an aggregate solution royany of one doltar per acre then covered by this lease, such payment to be made to Lessor's credit in the depository designated below, on or before the end of said 90-day period and thereafter on or before each anniversary of the end of said 90-day period while the well or wells are shut in or production thereform is not being sold by Lessee; provided that if this lease is otherwise being maintained by operations, or if production is being sold by Lessee from another well or wells on the leased premises or lands pooled therewith, no shutin royally shall be due until the end of the 90-day period next following cessation of such operations or production. Lessee's failure to properly pay shut-in royalty shall render Lessee liable for the amount due, but shall not operate to terminate this lease.

4. Depository Agent. All shut-in royalty payments under this lease shall be paid or tendered directly to Lessor or to Lessor's credit at Lessor's address above or its successors, which shall be Lessor's depository agent for receiving payments regardless of changes in the ownership of said land. All payments or tenders may be made depository or by check or by dmfl and such payments or tenders to Lessor or to the depository by deposit in the U.S. Mails in a stamped envelope addressed to the depository or to the Lessor at the last address known to Lessee shall constitute proper payment. If the depository should liquidate or be succeeded by another institution, or for any reason fail or refuse to accept payment hereunder, Lessor shall, as Lessee's request, deliver to Lessee a proper recordable instrument naming

5. Operations. If Lessee drills a well which is incapable of producing in paying quantities (hereinafter called "dry hole") on the leased premises or lands pooled To operations in Lessee online a went which is incupate or producing in paying quantities (neremaner cancol ary note) on the teased premises or tands pooled therewith, or if all production (whether or not in paying quantities) permanently ceases from any cause, including a revision of unit boundaries pursuant to the provisions of Paragraph 6 or the action of any governmental authority, then in the event this lease is not otherwise being maintained in force it shall nevertheless remain in force if Lessee commences operations for reworking an existing well or for drilling an additional well or for otherwise obtaining or restoring production on the leased premises or lands pooled therewith within 00 days after completion of corrections on such deithold are within 00 days after completion of corrections on such deithold well on a within 00 days after completion of corrections on such deithold we within 00 days after completion of corrections on such deithold we within 00 days after completion of corrections on such deithold we within 00 days after completion of corrections on such deithold we within 00 days after completion of corrections on such deithold well on a within 00 days after completion of corrections on such deithold well on a within 00 days after completion of corrections on such deithold well on a well of the ender of the completion of the lessed In force it Lessee commences operations for reworking an existing wen or for artifling an additional wen or for outer wise ontaining or restoring production on the reaseu premises or lands pooled therewith within 90 days after completion of operations on such dry hole or within 90 days after such cessation of all production. If at the end of the primary term, or at any time thereafter, this lease is not otherwise being maintained in force but Lessee is then engaged in drilling, reworking or any other operations reasonably calculated to obtain or restore production therefrom, this lease shall remain in force so long as any one or more of such operations are prosecuted operations reasonary calculated to obtain or resort production merchanis, this rease shart remain in roles so long as any one of more than 90 consecutive days, and if any such operations result in the production of oil or gas or other substances covered hereby, as long thereafter as there is production in paying quantities from the leased premises or lands pooled therewith. After completion of a well capable of producing in paying the test of the leased premises or lands pooled therewith. quantities hereunder, Lessee shall drill such additional wells on the leased premises or lands pooled therewith as a reasonably prudent operator would drill under the same or similar circumstances to (a) develop the leased premises as to formations then capable of producing in paying quantities on the leased premises or lands pooled therewith, or (b) protect the leased premises from uncompensated drainage by any well or wells located on other lands not pooled therewith. There shall be no covenant to drill exploratory wells or any additional wells except as expressly provided herein.

6. Pooling. Lessee shall have the right but not the obligation to pool all or any part of the leased premises or interest therein with any other lands or interests, as to any or all deplits or zones, and as to any or all substances covered by this lease, either before or after the commencement of production, whenever Lessee deems it necessary or proper to do so in order to prodently develop or operate the leased premises, whether or not similar pooling authority exists with respect to such other lands or interests. The unit formed by such pooling for an oil well (other than a horizontal completion) shall not exceed 80 acres plus a maximum acreage tolerance of 10% and interests. The unit formed by such pooling for an oil well (other than a horizontal completion) shall not exceed 80 acres plus a maximum acreage tolerance of 10% and for a gas well or a horizontal completion shall not exceed 640 acres plus a maximum acreage tolerance of 10%, provided that a larger unit may be formed for an oil well or gas well or horizontal completion to conform to any well spacing or density pattern that may be prescribed or permitted by any governmental authority having governmental authority, or, if no definition is so prescribed, "oil well" and "gas well" shall have the meanings prescribed by applicable law or the appropriate means a well with an initial gas-oil ration of 15,000 cubic feet or more per barrel, based on a 24-hour production lest conducted under normal producing conditions units structured here concerner facilities or equipment; and the term "horizontal completion" means an oil well in which the horizontal completion using standard lease separator facilities or equivalent testing equipment; and the term "horizontal completion" means an oil well in which the horizontal component of the gross completion interval in the reservoir exceeds the vertical component thereof. In excreising its pooling rights hereunder, Lessee shall file of record a written the gross completion interval in the reservoir exceeds the vertical component thereof. In exercising its pooling rights hereunder, Lessee shall hie of record a written declaration describing the unit and stating the effective date of pooling. Production, drilling or reworking operations anywhere on a unit which includes all or any part of the leased premises shall be treated as if it were production, drilling or reworking operations on the leased premises, except that the production on which Lessor's royalty is calculated shall be that proportion of the total unit production which the net acreage covered by this lease and included in the unit bears to the total gross are appreciable to the average of the total unit production in the lease of the rights hereunder, and Lessee shall have the recurring right but not the obligation to revise any unit formed hereunder by expansion or contraction or both, either before or after commencement of production, in order to conform to the well spacing or density pattern prescribed or permitted by the governmental authority having jurisdiction, or to conform to any productive acreage determination made by such governmental authority. In making such a revision, Lessee shall file of record a Jurisdiction, or to contorm to any productive accage determination make by such governmental homory. In making such a revision, Lessee shall nee or record a written declaration describing the revised unit and stating the effective date of revision. To the extent any portion of the lensed premises is included in or excluded from the unit by virtue of such revision, the proportion of unit production on which royalites are payable hereunder shall thereafter be adjusted accordingly. In the absence of write detains the date of termination. Boolies therein the shall not exclude the analytic accordingly and the absence of write data of termination. Boolies there have been detained to the source the adjusted accordingly. In the absence of write data of termination. Boolies there have been detained to the adjusted accordingly the data of termination describing the unit and stating the date of termination. Pooling hereunder shall not constitute a cross-conveyance of interests.

7. Proportionate Reductions. If Lessor owns less than the full mineral estate in all or any part of the leased premises, the royalties and shut-in royalties payable hereunder for any well on any part of the leased premises or lands pooled therewith shall be reduced to the proportion that Lessor's interest in such part of the leased premises bears to the full mineral estate in such part of the leased premises. 8. Ownership Changes. The interest of either Lessor or Lessee hereunder may be assigned, devised or otherwise transferred in whole or in part, by area ant/or by

depth or zone, and the rights and obligations of the parties hereunder shall extend to their respective heirs, devisees, executors, administrators, successors and assigns, bein or zone, and me ngits and obligations of the parties infection of shall extend to their respective neural, defined, and no change in ownership shall have the effect of reducing the rights or enlarging the obligations of Lessee hereunder, and no change in ownership shall be binding on Lessee until 60 days after Lessee has been furnished the original or duly authenticated copies of the documents establishing such change of ownership to the satisfaction of Lessee or until Lesser has satisfied the notification requirements contained in Lessee's usual form of division order. In the event of the death of any person entitled to shut-in royalties hereunder, Lessee may pay or tender such shut-in royalties to the credit of decedent or decedent's estate in the depository designated above. If at any time two or more persons are entitled to shut-in royalties hereunder, Lessee may puy or tender such shut-in royalties to such persons or to their credit in