

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

1318321

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
DPERATOR: License#	(0/0/0/0) feet from N / S Line of Section
Name:	feet from E / W Line of Section
ddress 1:	Is SECTION: Regular Irregular?
ddress 2:	(Note: Locate well on the Section Plat on reverse side)
State:	County:
Contact Person:	Lease Name: Well #:
hone:	Field Name:
CONTRACTOR: License#	Is this a Prorated / Spaced Field?
lame:	Target Formation(s):
Well Drilled For: Well Class: Type Equipment:	Nearest Lease or unit boundary line (in footage):
Oil Enh Rec Infield Mud Rotary	Ground Surface Elevation:feet MS
Gas Storage Pool Ext. Air Rotary	Water well within one-quarter mile:
Disposal Wildcat Cable	Public water supply well within one mile:
Seismic ; # of Holes Other	Depth to bottom of fresh water:
Other:	Depth to bottom of usable water:
If OWWO: old well information as follows:	Surface Pipe by Alternate: II II
<u> </u>	Length of Surface Pipe Planned to be set:  Length of Conductor Pipe (if any):
Operator:	Projected Total Depth:
Well Name: Original Total Depth:	Formation at Total Depth:
Original Completion Date Original Total Deptil	Water Source for Drilling Operations:
Directional, Deviated or Horizontal wellbore?	Well Farm Pond Other:
f Yes, true vertical depth:	DWR Permit #:
Bottom Hole Location:	( <b>Note</b> : Apply for Permit with DWR )
(CC DKT #:	Will Cores be taken?
	If Yes, proposed zone:
AFF	If Yes, proposed zone:
AFF The undersigned hereby affirms that the drilling, completion and eventual plu	If Yes, proposed zone:
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SEWARD CO. 3390' FEL

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	on 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 attributa				is secil	ion: Regular or Irregular
QTR/QTR/QTR of a	creage:			_	
					ion is Irregular, locate well from nearest corner boundary.  n corner used: NE NW SE SW
				PLAT	
			d electrical lines, as	required by the	t boundary line. Show the predicted locations of e Kansas Surface Owner Notice Act (House Bill 2032).
			You may attach	a separate plat i	if desired.
:	:	:	:	: :	
		:			LEGEND
		:	:	······	O Well Location
	:	:	:		Tank Battery Location
•••••	•••••				Pipeline Location
	:	:			Electric Line Location
		:			Lease Road Location
	····· · · · · · · · · · · · · · · · ·	:	:	: :	
		:			EXAMPLE : :
:	:	<u>:</u>	<u> </u>	: :	
		4			
			:		
	·····			·	
		:	:		
:	·····	:	:	:	1980' FSL

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

#### 500 ft.

716 ft.

### In plotting the proposed location of the well, you must show:

- 1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
- 2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
- 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

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:	Pit is:		
Emergency Pit Burn Pit  Settling Pit Drilling Pit	Proposed Existing		SecTwpR East West
Workover Pit Haul-Off Pit	If Existing, date constructed:		Feet from North / South Line of Section
(If WP Supply API No. or Year Drilled)	Pit capacity:		Feet from East / West Line of Section
		(bbls)	County
Is the pit located in a Sensitive Ground Water A	rea? Yes I	No	Chloride concentration: mg/l (For Emergency Pits and Settling Pits only)
Is the bottom below ground level?  Yes No	Artificial Liner?	lo	How is the pit lined if a plastic liner is not used?
, , , , , , , , , , , , , , , , , , , ,	Length (fee	•	Width (feet) N/A: Steel Pits
	m ground level to dee		dures for periodic maintenance and determining
If the pit is lined give a brief description of the line material, thickness and installation procedure.	iei		cluding any special monitoring.
Distance to nearest water well within one-mile of pit:		Depth to shallor Source of inforr	west fresh water feet. nation:
feet Depth of water wellfeet		measured	well owner electric log KDWR
Emergency, Settling and Burn Pits ONLY:		Drilling, Worko	ver 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 p	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 O	NLY Liner Steel Pit RFAC RFAS
Date Received: Permit Numb	ner:	Parmi	t Date: Lease Inspection: Yes No
Data Modelyou i criffit Mullik	· · · · · · · · · · · · · · · · · · ·	1 011111	. Date Loade inspection 103 100



1318321

Form KSONA-1
January 2014
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) CI	B-1 (Cathodic Protection Borehole Intent)  T-1 (Transfer)  CP-1 (Plugging Application)
OPERATOR: License #	Well Location:
Name:	
Address 1:	•
Address 2:	
City: State: Zip:+	the lease helpw
Contact Person:	_
Phone: ( ) Fax: ( )  Email Address:	
Surface Owner Information:	
Name:	
Address 1:	<ul> <li>sheet listing all of the information to the left for each surface owner. Surface</li> <li>owner information can be found in the records of the register of deeds for the</li> </ul>
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,	athodic Protection Borehole Intent), you must supply the surface owners and tank batteries, pipelines, and electrical lines. The locations shown on the plated on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.
owner(s) of the land upon which the subject well is or will	ice Act (House Bill 2032), I have provided the following to the surface be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form orm being filed is a Form C-1 or Form CB-1, the plat(s) required by this ax, and email address.
KCC will be required to send this information to the surface	). I acknowledge that, because I have not provided this information, the se owner(s). To mitigate the additional cost of the KCC performing this dress of the surface owner by filling out the top section of this form and the KCC, which is enclosed with this form.
If choosing the second option, submit payment of the \$30.00 hand form and the associated Form C-1, Form CB-1, Form T-1, or Form	dling fee with this form. If the fee is not received with this form, the KSONA-1 CP-1 will be returned.
Submitted Electronically	

For KCC Use ONLY	
API # 15	_

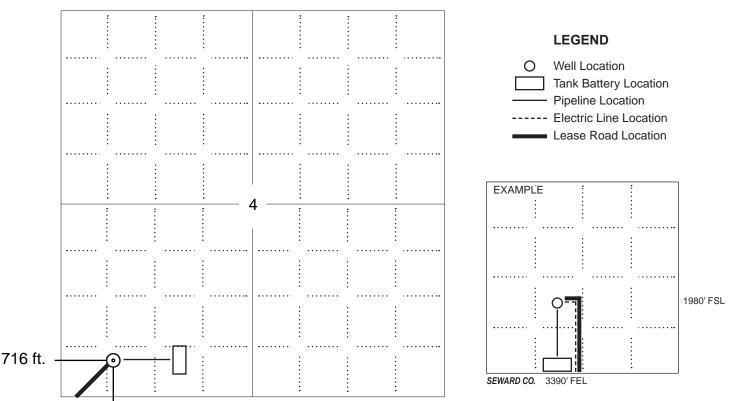
### IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

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
	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.



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

#### 500 ft.

### In plotting the proposed location of the well, you must show:

- 1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
- 2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
- 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.



**OPERATOR** 

COUNTY

Meade County, KS

093329bar

# *PRO-STAKE*

**Construction Site Staking** 

13155 INVOICE NO. Nebraska Kansas Oklah

P.O. Box 2324 Garden City, Kansas 67846 Office/Fax: (620) 276-6159 — Cell: (620) 272-1499 burt@prostakellc.com

LEGEND

LLC

29w 33s

Twp. Rng.

Keystone #2-4 (restake) **LEASE NAME** 

O'Brien Energy Resources Corp.

500' FSL - 716' FWL **LOCATION SPOT** 

GR. ELEVATION

2584.81

Sept. 28th, 2016 Kent C. Norby S. AUTHORIZED BY: Paul W. & Roger P. **DATE REVISED:** 

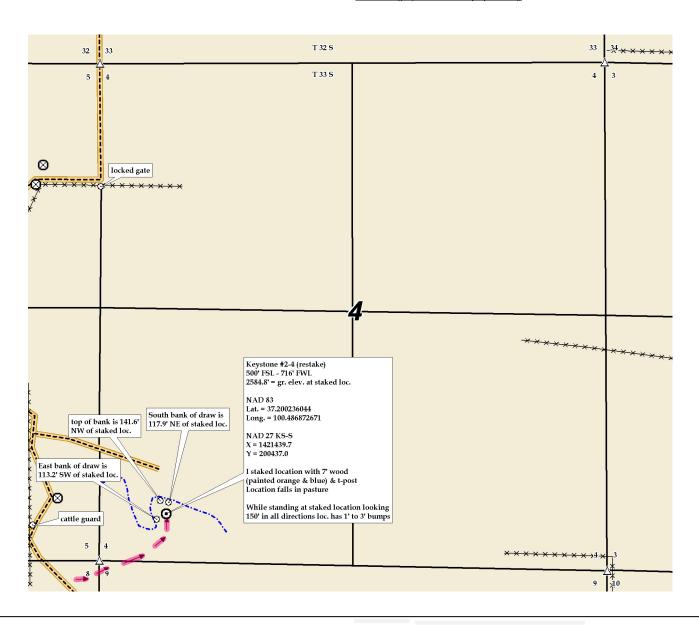
1'' = 1000'SCALE: DATE STAKED: **MEASURED BY: DRAWN BY:** 

gravel/sand rd. ⑥ irr. well gas line water line 🕁 water hydrant gravel trail / lease rd. transmission powerline tank battery 3 phase powerline dirt rd. staked loc. single phase powerline prod. well / aband. well dirt trail/lease rd. house Hwy / blacktop rd. building

**DIRECTIONS:** From the NE side of Plains, KS at the intersection of Hwy 160 & Hwy 54 – Now go 0.8 mile SW on Hwy 54 – Now go 3.3 miles South on 5 Rd. – Now go 4 miles East on S Rd. - Now go 0.8 mile South on 9 Rd. to ingress stake East into – Now go 0.3 mile East on lease rd. to cattle guard & "Y" in lease rd. – Now go 0.3 mile SE & East to cattle guard – Now go 0.4 mile NE & East on lease rd. to "Y" in lease rd. – Now go 0.1 mile South on trail to "Y" in trail – Now go 0.1 mile SE on trail - Now go approx. 1420'/ 0.3 mile East-NE, NE & North through pasture, into staked location.

Final ingress must be verified with landowner or operator.

This drawing does not constitute a monumented survey or a land survey plat. This drawing is for construction purposes only.





**OPERATOR** 

COUNTY

Meade County, KS

O'Brien Energy Resources Corp.

093329bar

## *PRO-STAKE*

**Construction Site Staking** 

29w

Rng.

13155 INVOICE NO.

LEGEND

Nebraska Kansas Oklah

P.O. Box 2324 Garden City, Kansas 67846 Office/Fax: (620) 276-6159 - Cell: (620) 272-1499

burt@prostakellc.com

⑥ irr. well gas line water line 🕁 water hydrant

LLC

transmission powerline tank battery 3 phase powerline staked loc. single phase powerline prod. well / aband. well

house building gravel/sand rd. gravel trail / lease rd. dirt rd. dirt trail/lease rd. Hwy / blacktop rd.

Keystone #2-4 (restake) **LEASE NAME** 500' FSL - 716' FWL

**LOCATION SPOT** 

2584.8' **GR. ELEVATION** 

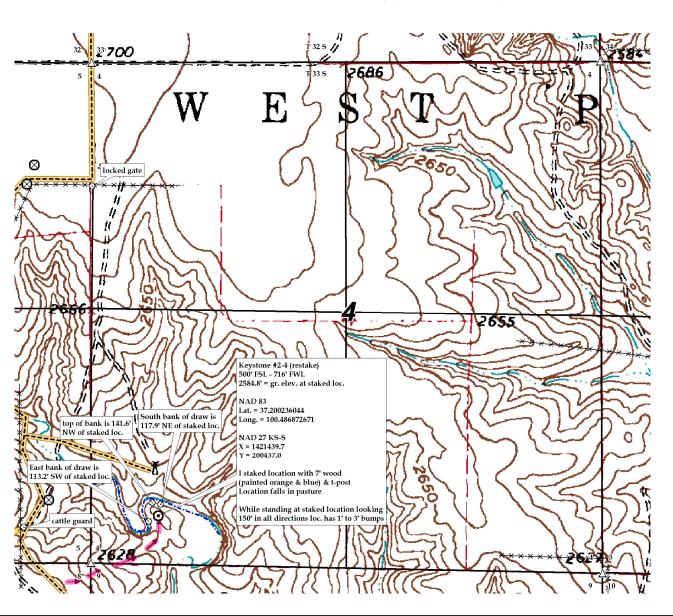
1'' = 1000'SCALE: Sept. 28th, 2016 DATE STAKED: MEASURED BY: Kent C. **DRAWN BY:** Norby S. AUTHORIZED BY: Paul W. & Roger P. DATE REVISED:

33s

Twp.

**DIRECTIONS:** From the NE side of Plains, KS at the intersection of Hwy 160 & Hwy 54 – Now go 0.8 mile SW on Hwy 54 – Now go 3.3 miles South on 5 Rd. – Now go 4 miles East on S Rd. – Now go 0.8 mile South on 9 Rd. to ingress stake East into – Now go 0.3 mile East on lease rd. to cattle guard & "Y" in lease rd. – Now go 0.3 mile SE & East to cattle guard – Now go 0.4 mile NE & East on lease rd. to "Y" in lease rd. – Now go 0.1 mile South on trail to "Y" in trail – Now go 0.1 mile SE on trail - Now go approx. 1420'/ 0.3 mile East-NE, NE & North through pasture, into staked location.

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093329bar

# PRO-STAKE

P.O. Box 2324 Garden City, Kansas 67846 Office/Fax: (620) 276-6159 - Cell: (620) 272-1499

**Construction Site Staking** 

LLC

13155 INVOICE NO.



O'Brien Energy Resources Corp. **OPERATOR** 

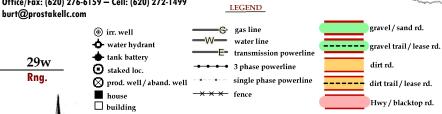
Meade County, KS COUNTY

29w 33s Twp. Rng.

Keystone #2-4 (restake) **LEASE NAME** 

500' FSL - 716' FWL **LOCATION SPOT** 

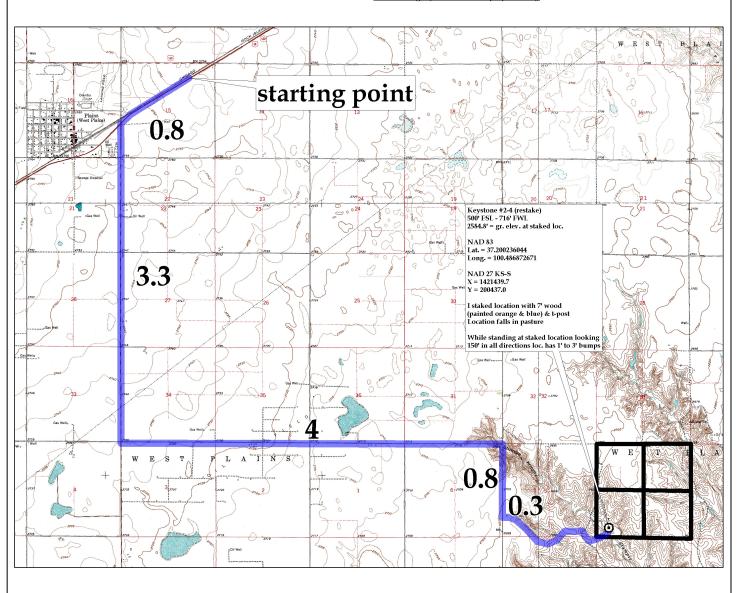
2584.8' **GR. ELEVATION**  SCALE: N/A Sept. 28th, 2016 DATE STAKED: MEASURED BY: Kent C. **DRAWN BY:** Norby S. AUTHORIZED BY: Paul W. & Roger P. DATE REVISED:



**DIRECTIONS:** From the NE side of Plains, KS at the intersection of Hwy 160 & Hwy 54 – Now go 0.8 mile SW on Hwy 54 – Now go 3.3 miles South on 5 Rd. – Now go 4 miles East on S Rd. – Now go 0.8 mile South on 9 Rd. to ingress stake East into – Now go 0.3 mile East on lease rd. to cattle guard & "Y" in lease rd. – Now go 0.3 mile SE & East to cattle guard – Now go 0.4 mile NE & East on lease rd. to "Y" in lease rd. – Now go 0.1 mile South on trail to "Y" in trail – Now go 0.1 mile SE on trail - Now go approx. 1420'/ 0.3 mile East-NE, NE & North through pasture, into staked location.

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Conservation Division 266 N. Main St., Ste. 220 Wichita, KS 67202-1513



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Jay Scott Emler, Chairman Shari Feist Albrecht, Commissioner Pat Apple, Commissioner

October 05, 2016

Joe Forma O'Brien Energy Resources Corp. 18 CONGRESS ST, STE 207 PORTSMOUTH, NH 03801-4091

Re: Drilling Pit Application Keystone 2-4 SW/4 Sec.04-33S-29W Meade County, Kansas

### Dear Joe Forma:

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.