1038307

For KCC Use:
Effective Date: 06/09/2010
District # 2
SGA? ☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

NOTICE OF INTENT TO DRILL

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

Form C-1
October 2007
Form must be Typed
Form must be Signed
All blanks must be Filled

Expected Spud Date: 06/01/2010 (month / day / year)

OPERATOR: License# 3911
Name: Rama Operating Co., Inc.
Address 1: 101 S MAIN ST
Address 2:
City: STAFFORD State: KS Zip: 67578 + 1429
Contact Person: Robin L. Austin
Phone: 620-234-5191

CONTRACTOR: License#
Name: Advise on ACO-1 --Must be licensed by KCC

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:			

☒ If OWWO: old well information as follows:

Operator: Ciities Service Oil Company
Well Name: Masemore #1
Original Completion Date: 07/07/1943 Original Total Depth: 3730

Directional, Deviated or Horizontal wellbore? ☐ Yes ☐ No
If Yes, true vertical depth:
Bottom Hole Location:
KCC DKT #:

OWWO of 15-155-02286-00-00

Spot Description:
____ - SW - SW - SW (Q/Q/Q/Q) Sec. 32 Twp. 23 S. R. 10 ☐ E ☐ W
330 feet from ☐ N / ☐ S Line of Section
330 feet from ☐ E / ☐ W Line of Section
Is SECTION: ☐ Regular ☐ Irregular?

*(**Note:** Locate well on the Section Plat on reverse side)*

County: Reno
Lease Name: Bordin OWWO Well #: 1-32
Field Name: Zenith Peace Creek
Is this a Prorated / Spaced Field? ☐ Yes ☐ No
Target Formation(s): Herrington-Krieder
Nearest Lease or unit boundary line (in footage): 330
Ground Surface Elevation: 1791 Supplied Operator Supplied feet MSL
Water well within one-quarter mile: ☐ Yes ☐ No
Public water supply well within one mile: ☐ Yes ☐ No
Depth to bottom of fresh water: 150
Depth to bottom of usable water: 200
Surface Pipe by Alternate: ☐ I ☐ II
Length of Surface Pipe Planned to be set: 271
Length of Conductor Pipe (if any):
Projected Total Depth: 2400
Formation at Total Depth: Herrington-Krieder
Water Source for Drilling Operations:
☐ Well ☐ Farm Pond ☐ Other: Trucked
DWR Permit #:
*(**Note:** Apply for Permit with DWR ☐)*
Will Cores be taken? ☐ Yes ☐ No
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 - 15-155-02286-00-01
Conductor pipe required 0 feet
Minimum surface pipe required 271 feet per ALT. ☐ I ☐ II
Approved by: NAOMI HOLLON 06/04/2011
This authorization expires: 06/04/2011
(This authorization void if drilling not started within 12 months of approval date.)

Spud date: Agent:

Remember to:
- 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 this permit has expired *(See: authorized expiration date)* please check the box below and return to the address below.

☐ **Well Not Drilled - Permit Expired** Date:
Signature of Operator or Agent:

32 23 10 ☐ E ☐ W

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

Side Two

1038307

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

Plat of acreage attributable to a well in a prorated or spaced field

If the intended well is in a prorated or spaced field, please fully complete this side of the form. If the intended well is in a prorated or spaced field complete the plat below showing that the well will be properly located in relationship to other wells producing from the common source of supply. Please show all the wells and within 1 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for oil wells.

API No. 15 - 15-155-02286-00-01

Operator: Rama Operating Co., Inc.

Lease: Bordin OWWO

Well Number: 1-32

Field: Zenith Peace Creek

Number of Acres attributable to well: 160

QTR/QTR/QTR/QTR of acreage: _____ - SW - SW - SW

Location of Well: County: Reno

330 feet from ☐ N / ☐ S Line of Section

330 feet from ☐ E / ☐ W Line of Section

Sec. 32 Twp. 23 S. R. 10 ☐ E ☐ W

Is Section: ☐ Regular or ☐ Irregular

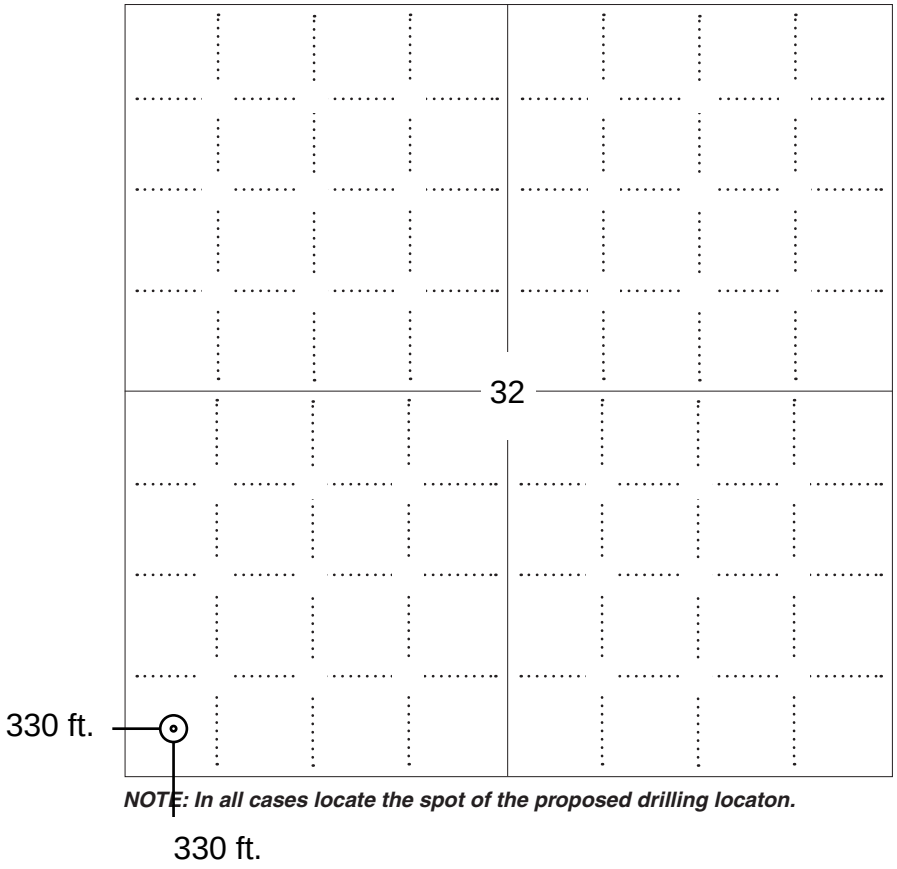
If Section is Irregular, locate well from nearest corner boundary.

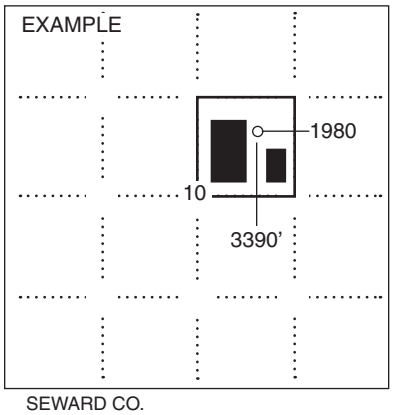
Section corner used: ☐ NE ☐ NW ☐ SE ☐ SW

PLAT

(Show location of the well and shade attributable acreage for prorated or spaced wells.)

(Show footage to the nearest lease or unit boundary line.)





SEWARD CO.

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).

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1038307

Form CDP-1
April 2004
Form must be Typed

APPLICATION FOR SURFACE PIT

Submit in Duplicate

Operator Name: Rama Operating Co., Inc.
License Number: 3911

Operator Address: 101 S MAIN ST STAFFORD KS 67578

Contact Person: Robin L. Austin
Phone Number: 620-234-5191

Lease Name & Well No.: Bordin OWWO 1-32

Pit Location (QQQQ): _____ - SW - SW - SW

Sec. 32 Twp. 23 R. 10 ☐ East ☐ West

330 Feet from ☐ North / ☐ South Line of Section

330 Feet from ☐ East / ☐ West Line of Section

Reno County

Type of Pit:
☐ Emergency Pit ☐ Burn Pit
☐ Settling Pit ☐ Drilling Pit
☐ Workover Pit ☐ Haul-Off Pit
(If WP Supply API No. or Year Drilled)

Pit is:
☐ Proposed ☐ Existing
If Existing, date constructed: _____
Pit capacity: 160 (bbls)

Is the pit located in a Sensitive Ground Water Area? ☐ Yes ☐ No

Chloride concentration: _____ mg/l
(For Emergency Pits and Settling Pits only)

Is the bottom below ground level? ☐ Yes ☐ No

Artificial Liner? ☐ Yes ☐ No

How is the pit lined if a plastic liner is not used?
betonite

Pit dimensions (all but working pits): 8 Length (feet) 8 Width (feet) ☐ N/A: Steel Pits

Depth from ground level to deepest point: 6 (feet) ☐ No Pit

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
1900 feet Depth of water well 75 feet

Depth to shallowest fresh water 18 feet.
Source of information:
☐ measured ☐ well owner ☐ electric log ☒ KDWR

Emergency, Settling and Burn Pits ONLY:

Producing Formation: _____

Number of producing wells on lease: _____

Barrels of fluid produced daily: _____

Does the slope from the tank battery allow all spilled fluids to flow into the pit? ☐ Yes ☐ No

Drilling, Workover and Haul-Off Pits ONLY:

Type of material utilized in drilling/workover: Mud

Number of working pits to be utilized: 0

Abandonment procedure: Haul off freee fluid, cover up when dry

Drill pits must be closed within 365 days of spud date.

Submitted Electronically

KCC OFFICE USE ONLY Steel Pit ☐ RFAC ☐ RFAS ☒

Date Received: 05/19/2010 Permit Number: 15-155-02286-00-01 Permit Date: 06/04/2010 Lease Inspection: ☐ Yes ☐ No

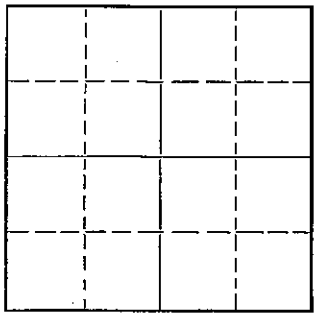
Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

STATE OF KANSAS
STATE CORPORATION COMMISSION

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
800 Bitting Building
Wichita, Kansas

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Reno County. Sec. 32 Twp. 23 Rge. 10 (E) W (W)
Location as "NE/CNW¼SW¼" or footage from lines 330' N. & 330' E. of SW Cor.
Lease Owner Cities Service Oil Company
Lease Name Masemore Well No. 1
Office Address Bartlesville, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Oil Well
Date well completed July 7, 19 43
Application for plugging filed February 3, 19 53
Application for plugging approved February 4, 19 53
Plugging commenced February 10, 19 53
Plugging completed February 19, 19 53
Reason for abandonment of well or producing formation Depleted formation.

If a producing well is abandoned, date of last production January 10, 19 53
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Ruel Durkee
Producing formation Misener Depth to top Bottom 3676 Total Depth of Well 3730 Feet
P. B. T. D. 3676'
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS — CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled Out
				8-5/8"	271'	None
				5-1/2"	3761'	3040'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

3676-3660' sand
3660-3612' 6 sacks cement
3612- 235' mud
235- 225' rock bridge
225- 185' 15 sacks cement
185- 15' mud
15' to base of cellar, 5 sacks cement

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor C. E. Shull Casing Pulling Company
Address Great Bend, Kansas

STATE OF Kansas, COUNTY OF Barton, ss.
V. M. Conover (employee of owner) or ~~(owner or operator)~~ of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) V M Conover

Box 751, Great Bend, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 23rd day of February, 1953.

W. G. Smith
Notary Public.

My commission expires 3-12-1955

23-8390-s 6-51—20M

PLUGGING
FILE SEC 32 T 23 R 10W
BOOK PAGE 22 LINE 22

Geol. 63 3M 4-40

WELL RECORD

Company Cities Service Oil Company Well No. 1 Farm Masemore

Location 330' North and 330' East of SW Corner Sec. 32 T. 23 R. 10W

Elevation 1791 County Reno State Kansas

Drlg. Comm. June 25, 1943 Contractor Corbett-Barbour Drilling Company

Drlg. Comp. July 7, 1943 Acid 500 gals. 6-10-43

T. D. 3730' Initial Prod. B.H.P. Gauge Potential: 3000 oil, 0 water, 24 hrs. (Ind. Cap. 10,062 bbls.)

CASING RECORD:
8-5/8" @ 267' cem. 150 sx cement
5-1/2" @ 3718' cem. 100 sx cement

FORMATION RECORD:

surface clay	0-60
sand	160
red clay & shells	222
red bed	268
shale & shells	1050
shells & salt	1200
shale & shells	1425
anhydrite	1560
shale & lime	1690
shale & sandy lime	1810
lime & shale	1930
shale & lime	2190
shale	2365
shale & lime	2560
shale	2660
shale & lime	2835
shale	2860
broken lime	2950
lime	3100
lime broken	3260
broken lime & shale	3344
lime broken	3410
lime	3547
lime broken	3632
shale	3669
sand	3675
lime	3685
lime & chert	3718
lime	3730 T. D.

Top Viola	3675'
Penetration	55'
Total Depth	3730'

Drilled cement to 3700 SLM. Perf. 60 shots 3692-3700. Spray oil and 2,500,000 cu. ft. gas.

Set retainer at 3680 and squeezed with 50 sacks cement, 15 sacks into formation.

Drilled cement to 3715 SLM. Flowed 40 oil, no water, 13 hrs., 640,000 cu. ft. gas.

Set retainer at 3678, and squeezed with 25 sacks cement; 23 sacks into formation.

Drilled cement to 3715. Loaded hole with 2535 ft. water. Perf. 36 shots 3705-10; good show oil.

Flowed 168 bbls. oil in 4 hrs. after 500 gals. acid.

Temporary potential: 89 oil, no water, 24 hrs.

Syfo: 500' 1°
1000' 0°
1500' 1°
2500' 0°
3000' 0°
3500' 0°

KANSAS
CORPORATION COMMISSION

June 04, 2010

Robin L. Austin
Rama Operating Co., Inc.
101 S MAIN ST
STAFFORD, KS 67578-1429

Re: Drilling Pit Application
Bordin OWWO 1-32
SW/4 Sec.32-23S-10W
Reno County, Kansas

Dear Robin L. Austin:

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 **without slots**, 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 within 72 hours 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 (316) 630-4000 when the fluids have been removed. Please file form CDP-5 (August 2008), Exploration and Production Waste Transfer, through SOLAR 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 (316) 630-4000.