

## APPLICATION TO DRILL, RECOMPLETE OR REENTER

FORM 1000  
REV. 2009

## FILE ORIGINAL ONLY

PLEASE TYPE OR USE BLACK INK

1. OTC/OCC OPERATOR NUMBER

22299

2. API NUMBER

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
JIM THORPE BUILDING  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(RULE 165:10-3-1)

BATCH NUMBER (OCC USE ONLY)

WALK THROUGH

UNIT ON NEXT PAGE

3. NOTICE OF INTENT TO:

(CHECK ONLY ONE)

☒ DRILL ☐ RECOMPLETE ☐ REENTER ☐ DEEPEN ☐ AMEND - REASON

NOTE: ATTACH COPY OF 1002-A IF RECOMPLETION OR REENTRY.

4. TYPE OF DRILLING OPERATION &gt;&gt;&gt;&gt;&gt;&gt;&gt; (NOTE: If directional or horizontal, see reverse side for bottom hole location)

A. ☐ STRAIGHT HOLE ☐ DIRECTIONAL HOLE ☒ HORIZONTAL HOLEB. ☒ OIL/GAS ☐ INJECTION ☐ DISPOSAL ☐ WATER SUPPLY ☐ STRAT TEST ☐ SERVICE WELL

5. WELL LOCATION:

SECTION 6 TOWNSHIP 18N RANGE 4E COUNTY Payne

SPOT LOCATION: SW 1/4 SW 1/4 SW 1/4 FEET FROM QUARTER FROM SOUTH LINE FROM WEST LINE  
SECTION LINES: 205' FSL 207' FWL

7. Well will be 205 feet from nearest unit or property boundary.

8. LEASE NAME: HILDEBRAND WELL NUMBER: #1-1MH

9. NAME OF OPERATOR: Calyx Energy LLC EMAIL ADDRESS: joel@uls-mail.com

ADDRESS 10820 E 45th St, Ste 208 PHONE (AC/NUMBER) 918-949-4224

CITY Tulsa STATE OK ZIP CODE 74146

10. SURFACE OWNER (ONE ONLY; ATTACH SHEET FOR ADDITIONAL OWNERS)

Marlene C. Hildebrand

ADDRESS 1200 Whitehurst

CITY Choctaw STATE OK ZIP CODE 73020

14. LIST TARGET FORMATIONS AND DEPTHS OF EACH BELOW (LIMITED TO TEN)

1)	Mississippian (4064')	6)
2)		7)
3)		8)
4)		9)
5)		10)

15. SPACING ORDER NUMBER(S) AND SIZE UNIT(S):

611422

16. PENDING APPLICATION C.D. NO.

17. LOCATION EXCEPTION ORDER NO.

18. INCREASED DENSITY ORDER NO.

612298

19. TOTAL DEPTH

20. GROUND ELEV.

21. BASE OF TREATABLE WATER

22. SURFACE CASING

23. ALT CASING PROG USED?

8986

906

310

360

Y X N

24. ALTERNATIVE CASING PROCEDURE, check box and fill in blank (AFFIDAVIT REQUIRED, see reverse side, line 31.)

A. Cement will be circulated from total depth to ground surface on the production casing string.

B. Cement will be circulated from depth to depth by use of a two stage cementing tool.

25.1. PIT INFORMATION: Using more than one pit or mud system?

Y X N If yes, fill out line 25.2 on top reverse side.

A. TYPE OF MUD SYSTEM: X WATER BASED OIL BASED GAS BASED (AIR DRILL)

B. EXPECTED MUD CHLORIDE CONTENT: maximum: 15000 ppm; average: 7500 ppm.

PIT #1 C. TYPE OF PIT SYSTEM: on-site off-site X closed If off-site, specify location:

D. IS DEPTH TO TOP OF GROUND WATER GREATER THAN 10 FT BELOW BASE OF PIT? X Y N

E. WITHIN 1 MILE OF MUNICIPAL WATER WELL? Y X N

F. WELLHEAD PROTECTION AREA? Y X N

Off-Site Pit No.

26.1

A. CATEGORY 1A 1B 2 3 4 C

OCC USE ONLY

B. PIT LOCATION: Alluvial Plain Terrace Deposit Bedrock Aquifer

Other H.S.A. Non-H.S.A. Frn:

C. Special area or field rule?

D. DEEP SCA? Y N

E. CBL required? Y N

F. SOIL COMPACTED LINER REQUIRED? Y N

G. 20 mil GEOMEMBRANE LINER REQUIRED? Y N

27. PROPOSED METHOD FOR DISPOSAL OF DRILLING FLUIDS (MUST BE COMPLETED)

A. Evaporation/dewater and backfilling of reserve pit.

B. Solidification of pit contents.

C. Annular Injection (REQUIRES PERMIT and surface casing set 200 feet below base of treatable water-bearing formation.)

PERMIT NO.

X D. One time land application (REQUIRES PERMIT)

PERMIT NO. 13-23037

E. Haul to Commercial pit facility; Specify site:

Order No.

F. Haul to Commercial soil farming facility; Specify site:

Order No.

G. Haul to recycling/re-use facility; Specify site:

Order No.

X H. Other, Specify:

Closed Pit System

I hereby certify I am authorized to submit this two page application prepared by me or under my supervision.

The facts and proposals made herein are true, correct and complete to the best of my knowledge and belief.

SIGNATURE

NAME (Print or Type)

PHONE (AC/NO.)

FAX

DATE

Joel M. Johnson

918-671-0958

918-748-0446

6/4/2013

NOTICE: Approval is void if operations have not commenced within six months of the date of approval. An approved permit must be posted at the location during drilling and completion operations. File the Form 1001A, Spud Report, within fourteen days of commencement of operations.

**NOTIFY DISTRICT OFFICE 24 HOURS PRIOR TO CEMENTING SURFACE CASING.**

**25.2. PIT INFORMATION:**

A. TYPE OF MUD SYSTEM:        WATER BASED        OIL BASED        GAS BASED (AIR DRILL)  
 B. EXPECTED MUD CHLORIDE CONTENT: maximum:        ppm; average:        ppm.  
 PIT #2 C. TYPE OF PIT SYSTEM:        on-site        off-site        closed If off-site, specify location:         
 D. IS DEPTH TO TOP OF GROUND WATER GREATER THAN 10 FT BELOW BASE OF PIT?        Y        N  
 E. WITHIN 1 MILE OF MUNICIPAL WATER WELL?        Y        N  
 F. WELLHEAD PROTECTION AREA?        Y        N Off-Site Pit No.       

**26.2 OCC USE ONLY** A. CATEGORY 1A 1B 2 3 4 C Fm:         
 B. PIT LOCATION:        Alluvial Plain        Terrace Deposit        Bedrock Aquifer        Other H.S.A.        Non-H.S.A.  
 C. Special area or field rule?        D. DEEP SCA?        Y        N E. CBL?        Y        N  
 F. SOIL COMPACTED LINER REQUIRED?        Y        N G. 20 mil GEOMEMBRANE LINER REQUIRED?        Y        N

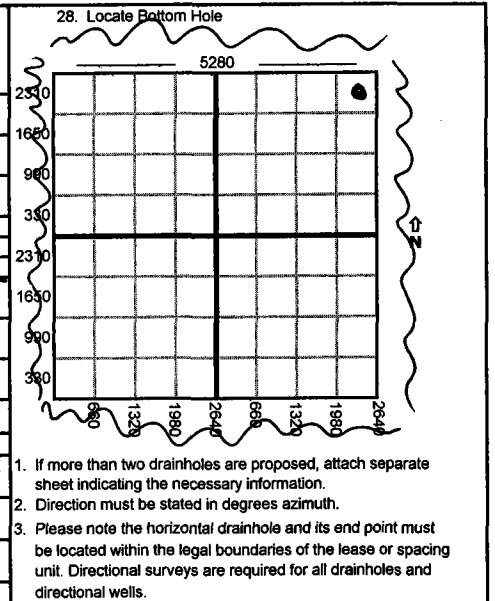
29 Bottom Hole Location SEC        TWP        RGE        COUNTY         
 for Directional Hole:  
 SPOT LOCATION: 1/4        1/4        1/4        FEET FROM QUARTER from SOUTH LINE from WEST LINE  
 SECTION LINES:         
 Measured Total Depth        True Vertical Depth        BHL from nearest Lease, Unit, Or Property Line:       

30. Bottom Hole Location for Horizontal Hole: (LATERALS)

LATERAL #1: SEC        TWP        RGE        COUNTY        Payne  
 SPOT LOCATION: NE 1/4 NE 1/4 NE 1/4 NE 1/4 FEET FROM QUARTER from SOUTH LINE from WEST LINE  
 SECTION LINES:        165' FNL        330' FEL  
 Depth of Deviation        Radius of Turn        Direction        Total Length         
       3376        1384        360 deg        4158  
 Measured Total Depth        8918 True Vertical Depth        4064 End Point location from nearest lease, unit or property line:        165

LATERAL #2: SEC        TWP        RGE        COUNTY         
 SPOT LOCATION: 1/4        1/4        1/4        FEET FROM QUARTER from SOUTH LINE from WEST LINE  
 SECTION LINES:         
 Depth of Deviation        Radius of Turn        Direction        Total Length         
 Measured Total Depth        True Vertical Depth        End Point location from nearest lease, unit or property line:       

LATERAL #3: SEC        TWP        RGE        COUNTY         
 SPOT LOCATION: 1/4        1/4        1/4        FEET FROM QUARTER from SOUTH LINE from WEST LINE  
 SECTION LINES:         
 Depth of Deviation        Radius of Turn        Direction        Total Length         
 Measured Total Depth        True Vertical Depth        End Point location from nearest lease, unit or property line:       



**31. AFFIDAVIT FOR ALTERNATIVE CASING PROGRAM**

(Signature on front of this form attests to this affidavit)

1. This well        WILL        WILL NOT        penetrate any known lost circulation zones.
2. During the drilling of this well, withdrawals from any water well within 1/4 mile        WILL        WILL NOT        exceed 50 gallons per minute.
3. The projected depth of the well        IS        IS NOT        less than 100 feet from the top of any enhanced recovery project or gas storage facility.
4. List the following for all water wells within 1/4 mile of this well. (Information concerning some water wells may be obtained from the OKLAHOMA WATER RESOURCES BOARD, 3800 N. Classen Blvd., Oklahoma City, OK 73118). IF NO WATER WELLS FOUND, SO STATE. (ATTACH ADDITIONAL SHEET IF NECESSARY)

Name of Owner/Operator	Address of Owner/Operator	Location (Nearest 1/4 1/4 1/4 1/4)	Depth of Well
			45 Energy Walk Thrift LTD

5. A cement bond log is required to be run and submitted from not less than 100 feet below the base of the treatable water-bearing formation to the surface. **OCC USE ONLY**
6. If casing depth is more than 250 feet deeper than base of the treatable water-bearing formation, operator must submit a letter of request listing reasons and precautions to be taken.

INTENT TO DRILL CHECKLIST  
 APPROVED        REJECTED       

**OCC USE ONLY**

**OCC USE ONLY**

**1. SURETY**

- A. NONE filed.
- B. EXPIRED: Date        3-20-14
- C. OUTSTANDING CONTEMPT ORDER.

**4. GEOLOGY**

DO NOT WRITE INSIDE THIS BOX

OKLA CORP COMM  
 RECEIPT 1306990011  
 Date: 06/05/2013 Time: 09:31  
 Case: 000000000  
 Cashier: CSN  
 Payor: UNIVERSAL LAND  
 \$500.00  
 Check: 8883  
 45 Energy Walk Thrift LTD

OKLA CORP COMM  
 RECEIPT 1306990011  
 Date: 06/05/2013 Time: 09:47  
 Case: 000000000  
 Cashier: CSN  
 Payor: UNIVERSAL LAND  
 \$175.00  
 Check: 8883  
 46 Intent to Drill