

APPLICATION TO DRILL, RECOMPLETE OR REENTER

FORM 1000
REV. 2008

FILE ORIGINAL ONLY

PLEASE TYPE OR USE BLACK INK

**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)

1. OTC/OCC OPERATOR NUMBER <p style="text-align: center; font-size: 1.2em;">06722</p>
2. API NUMBER

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 >>>>>>>>>>> (NOTE: If directional or horizontal, see reverse side for bottom hole location)

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

6. LOCATE WELL AND OUTLINE
LEASE OR SPACING UNIT IN INK.

5. WELL LOCATION:

SECTION	13	TOWNSHIP	15N	RANGE	26W	COUNTY	Roger Mills
SPOT LOCATION:		S 1/2		SE 1/4		SECTION LINES:	
		S 1/2		SE 1/4		FEET FROM QUARTER from SOUTH LINE from EAST LINE	
						210' 660'	

7. Well will be 210' from nearest unit or property boundary.

8. LEASE NAME: Shaw 13 PA WELL NUMBER: 3HT

9. NAME OF OPERATOR: Mewbourne Oil Company EMAIL ADDRESS:

ADDRESS P.O. Box 7698 PHONE (AC/NUMBER) (903)-561-2900

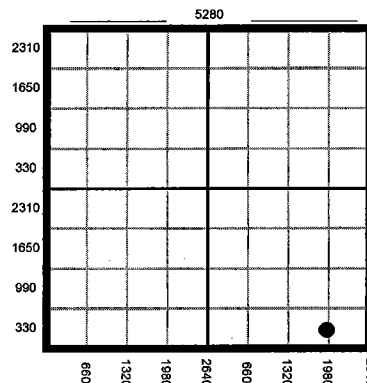
CITY Tyler STATE Texas ZIP CODE 75711

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

Sylvester Churchill

ADDRESS Rt. 1 Box 62

CITY Durham STATE OK ZIP CODE 73642



11. Is well located on lands under federal jurisdiction?
 Y N

12. Will a water well be drilled? Y N
 Will surface water be used? Y N

13. Date Operation to Begin Upon OCC Approval

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

1)	Tonkawa - 8,550'	6)
2)		7)
3)		8)
4)		9)
5)		10)

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

108740 - Tonkawa - 640ac

16. PENDING APPLICATION C.D. NO. 17. LOCATION EXCEPTION ORDER NO. 620451 18. INCREASED DENSITY ORDER NO. 619456

19. TOTAL DEPTH 13,074' 20. GROUND ELEV. 2270' 21. BASE OF TREATABLE WATER 640' 22. SURFACE CASING 2,000' 23. ALT CASING PROG USED? Y 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 N If yes, fill out line 25.2 on top reverse side.

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

B. EXPECTED MUD CHLORIDE CONTENT: maximum 25,000 ppm; average: 7,500 ppm.

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. _____

26.1 <i>OCC USE ONLY</i>	A. CATEGORY	1A	1B	2	3	4	C
	B. PIT LOCATION:	<input type="checkbox"/> Alluvial Plain	<input type="checkbox"/> Terrace Deposit	<input type="checkbox"/> Bedrock Aquifer	<input type="checkbox"/> Other H.S.A.	<input type="checkbox"/> Non-H.S.A.	Fm: _____
	C. Special area or field rule?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D. DEEP SCA? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	E. CBL required? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	F. SOIL COMPACTED LINER REQUIRED?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	G. 20 ml GEOMEMBRANE LINER REQUIRED?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> 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. _____
- D. One time land application (REQUIRES PERMIT) PERMIT NO. _____
- 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. _____
- H. Other, Specify: Must notify local district office 24 hrs prior to testing pit liner (soil compaction test).

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) Greg Shepherd	PHONE (AC/NO.) (405)-235-6374	FAX (405)-232-8006	DATE 3/31/2014
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NOTICE: Approvals 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.

SEC 13
 TOWNSHIP 15N
 RANGE 26W
 WELL NAME Shaw 13 PA
 # 3HT

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 _____ 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 13 TWP 15N RGE 26W COUNTY Roger Mills

SPOT LOCATION C N 1/2 NE 1/4 NE 1/4 FEET FROM QUARTER from NORTH LINE from EAST LINE SECTION LINES: 330' 660'

Depth of Deviation 8041' Radius of Turn 580' Direction 0deg Total Length 4113'

Measured Total Depth 13,074' True Vertical Depth 8600' End Point location from nearest lease, unit or property line: 330'

LATERAL #2: SEC _____ TWP _____ RGE _____ COUNTY _____

SPOT LOCATION 1/4 _____ 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: _____

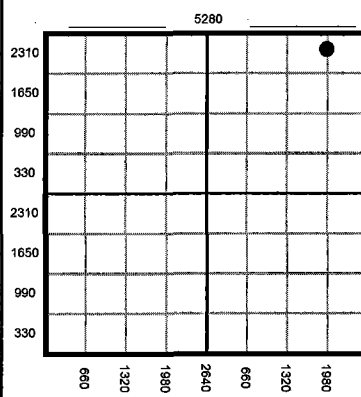
LATERAL #3: SEC _____ TWP _____ RGE _____ COUNTY _____

SPOT LOCATION 1/4 _____ 1/4 _____ 1/4 _____ 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: _____

28. Locate Bottom Hole



1. If more than two drainholes are proposed, attach separate sheet indicating the necessary information.
2. Direction must be stated in degrees azimuth.
3. Please note the horizontal drainhole and its end point must be located within the legal boundaries of the lease or spacing unit. Directional surveys are required for all drainholes and directional wells.

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)	Depth of Well

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.
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	OCC USE ONLY	OCC USE ONLY	OCC USE ONLY
APPROVED	REJECTED	1. SURETY	4. GEOLOGY
<u>[Signature]</u>	_____	A. NONE filed. <u>3/17/15</u> B. EXPIRED: Date _____ C. OUTSTANDING CONTEMPT ORDER. _____	_____

DO NOT WRITE INSIDE THIS BOX

Date: 04/10/2014
 Case: 0000000000
 Payor: MEMORABLE OIL COMPANY
 Check: 227466
 46 Intent to Drill
 Receipt 1407310005
 Time: 08:23
 Cashier: JRT
 \$175.00
 OKLA CORP COMM

MEWBOURNE OIL COMPANY

ONE LEADERSHIP SQUARE
211 NORTH ROBINSON, SUITE 2000
OKLAHOMA CITY, OK 73102

TELEPHONE (405) 235-6374
FACSIMILE (405) 232-8006

March 31, 2014

Oklahoma Corporation Commission
Oil and Gas Division
Jim Thorpe Office Building
Oklahoma City, Oklahoma 73105-4993

Re: Surface Casing Waiver Request
Shaw 13 PA #3HT
Section 13-15N-26W
Roger Mills County, Oklahoma

Gentlemen:

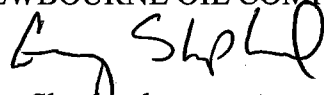
Mewbourne Oil Company ("Mewbourne") hereby requests an exception to Section 165:10-3-4(c) (5) [Rule 3-206] of the codified general rules of the Oklahoma Corporation Commission, so that 2,000 feet of surface casing may be set in order to prevent sloughing, aid in pressure control, and reduce chloride concentration. The surface casing will be cemented to the surface.

It will take approximately 20 hours to drill the additional amount of hole necessary to set 2,000 feet of surface casing. The lead slurry has a weight of 12.8 ppg and the tail slurry has a weight of 14.8 ppg. Mewbourne will also have lost circulation material on site and available if any problems occur. A Mewbourne representative will notify the local District office if lost circulation occurs. Mewbourne is not aware of any lost circulation in the subject section or eight surrounding sections.

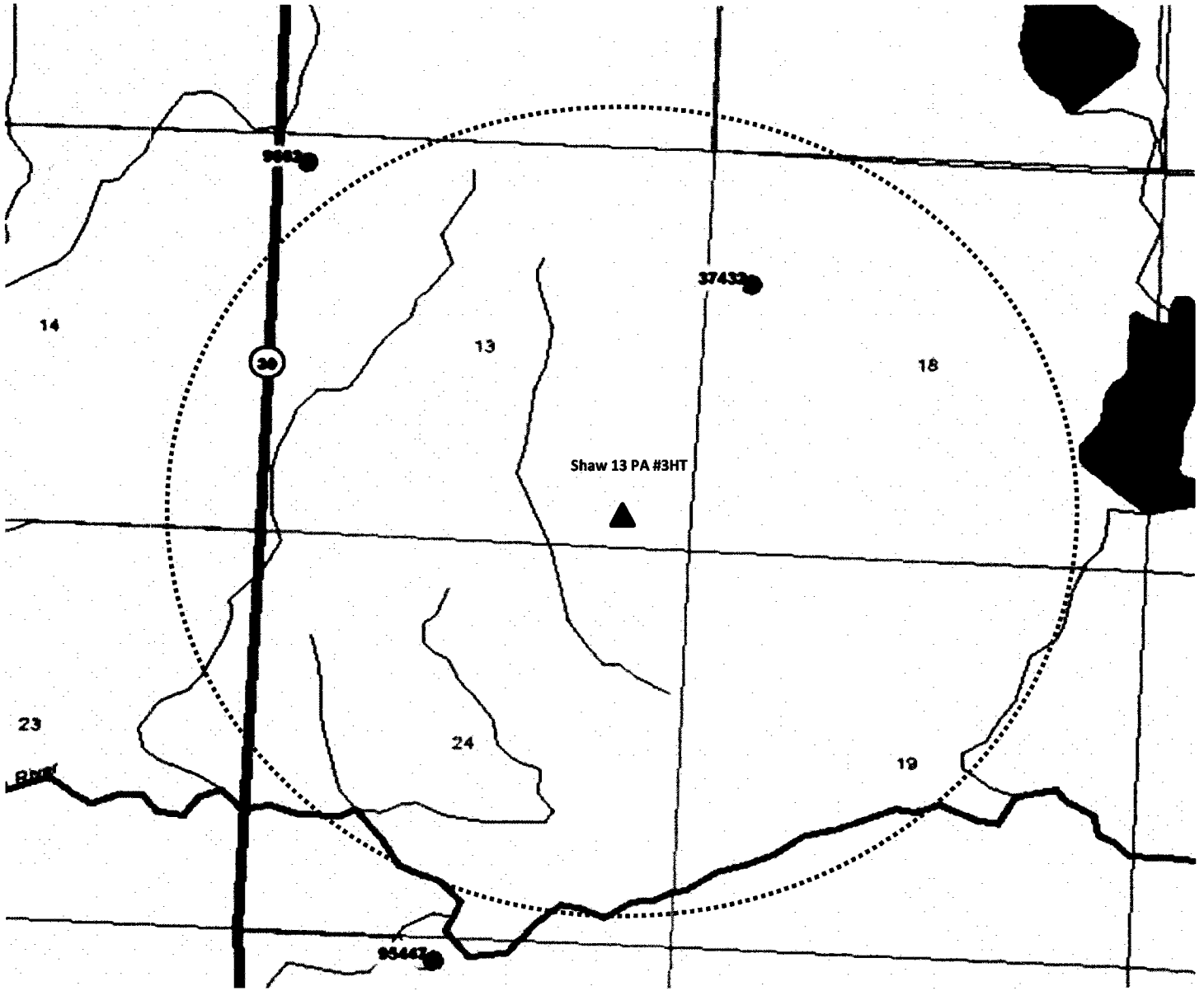
If you have any questions or comments, please advise.

Sincerely,

MEWBOURNE OIL COMPANY




Greg Shepherd
Petroleum Engineer



Water Wells within 1 mile of Shaw 13 PA #3HT Surface Location

Water Wells indicated by green dot

Shaw 13 PA #3HT Surface Location indicated by red triangle

 Mewbourne Oil Company		
Offset Waterwell Data Shaw 13 PA #3HT 210' FSL & 660' FEL Section 13-15N-26W Roger Mills County, Oklahoma		
DATE: 3/5/2014		



Proposal No: 625814765A

MEWBOURNE OIL CO
Shaw 13 PA #3HT

Section 13-15N-26W
Roger Mills County, Oklahoma
March 6, 2014

Well Proposal

Prepared for:
Mewbourne Oil
9-5/8" Surface Casing @ 2000 ft.

Prepared by:
BLAINE D HOOPER
Field Engineer

Service Point:
BJS, CLINTON
Bus Phone: (580) 323-7070
Fax: (580) 331-3221

Service Representatives:
Mark Smith
Senior District Sales Supv.

Powered by
PowerVision

Operator Name: MEWBOURNE OIL CO
Well Name: Shaw 13 PA #3HT
Job Description: 9-5/8" Surface Casing @ 2000 ft.
Date: March 6, 2014



Proposal No: 625814765A

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
12.250 HOLE	2,000	2,000

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
9.625	8.921	36	2,000	2,000

Float Collar set @ 1,960 ft
Mud Density 8.80 ppg
Mud Type Water Based
Est. Static Temp. 102 ° F
Est. Circ. Temp. 89 ° F

VOLUME CALCULATIONS

1,678 ft x 0.3132 cf/ft with 200 % excess = 1577.0 cf
 322 ft x 0.3132 cf/ft with 150 % excess = 251.7 cf
 40 ft x 0.4341 cf/ft with 0 % excess = 17.4 cf (inside pipe)
TOTAL SLURRY VOLUME = 1846.1 cf
 = 329 bbls

Operator Name: MEWBOURNE OIL CO
Well Name: Shaw 13 PA #3HT
Job Description: 9-5/8" Surface Casing @ 2000 ft.
Date: March 6, 2014



Proposal No: 625814765A

FLUID SPECIFICATIONS

Spacer 20.0 bbls Water @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Lead Slurry	1577	/ 1.96	= 805 sacks (15:85) Poz (Fly Ash):Class C Cement + 0.01% bwoc Static Free + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite II + 98% Fresh Water
Tail Slurry	269	/ 1.35	= 200 sacks Class C Cement + 0.01% bwoc Static Free + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56.3% Fresh Water

Displacement 151.5 bbls Displacement @ 8.34 ppg

CEMENT PROPERTIES

	SLURRY NO.1	SLURRY NO.2
Slurry Weight (ppg)	12.80	14.80
Slurry Yield (cf/sack)	1.96	1.35
Amount of Mix Water (gps)	10.69	6.35
Estimated Pumping Time - 70 BC (HH:MM)	4:05	2:20

COMPRESSIVE STRENGTH

12 hrs @ 80 ° F (psi)	200	1000
24 hrs @ 80 ° F (psi)	350	2000

Fluid Requirements:

Customer to provide tanks/transport with fresh water.

Exact loadings are to be determined from testing with rig water.

Additive concentrations may vary based on Pre-Job testing and mix water quality.