

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

API NUMBER: 045 23270 A

Approval Date: 11/01/2012
Expiration Date: 05/01/2013

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE CASING

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 22N Rge: 26W

County: ELLIS

SPOT LOCATION: S2 S2 SE SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 250 1980

Lease Name: BROSH UNIT "34"

Well No: 2H

Well will be 250 feet from nearest unit or lease boundary.

Operator Name: MEWBOURNE OIL COMPANY

Telephone: 9035612900; 4052356

OTC/OCC Number: 6722 0

MEWBOURNE OIL COMPANY
P. O. BOX 7698
TYLER, TX 75711-7698

BENBROOK FARMS LLC
P O BOX 1267
MACK BENBROOK
WOODWARD OK 73801

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1 COTTAGE GROVE	7000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 596068

Location Exception Orders: 598878

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11524

Ground Elevation: 2288

Surface Casing: 2000

Depth to base of Treatable Water-Bearing FM: 580

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 25000 Average: 5000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

HORIZONTAL HOLE 1

Sec 34 Twp 22N Rge 26W County ELLIS

Spot Location of End Point: C N2 NE NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 6459

Radius of Turn: 571

Direction: 360

Total Length: 4165

Measured Total Depth: 11524

True Vertical Depth: 7000

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	11/15/2012 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
LOCATION EXCEPTION - 598878	11/1/2012 - G30 - (I.O.) 34-22N-26W X596068 CGGV SHL NCT 250 FSL, NCT 1980 FWL POE NCT 600 FSL, NCT 1700 FWL BHL NCT 330 FNL, NCT 1700 FWL MEWBOURNE OIL COMPANY 6/19/12
SPACING - 596068	11/1/2012 - G30 - (640 HOR) 34-22N-26W EST CGGV, OTHERS (SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING) (COEXIST WITH PRODUCING NON-HORIZONTAL SPACING)

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.