

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

API NUMBER: 043 23714

Approval Date: 12/05/2019

Expiration Date: 06/05/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 17N Rge: 17W County: DEWEY
SPOT LOCATION: ☐ NE ☐ NW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 200 950

Lease Name: THOMSEN 32 PA Well No: 1HS Well will be 200 feet from nearest unit or lease boundary.
Operator Name: MEWBOURNE OIL COMPANY Telephone: 9035612900 OTC/OCC Number: 6722 0

MEWBOURNE OIL COMPANY
PO BOX 7698
TYLER, TX 75711-7698

KENNETH D. & CONNIE L. THOMSEN
70744 NORTH 2220 ROAD
TALOGA OK 73667

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

Name	Depth	Name	Depth
1 SKINNER	8870	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 167063

Location Exception Orders: 703328

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13876 Ground Elevation: 1711

Surface Casing: 1999

Depth to base of Treatable Water-Bearing FM: 110

Deep surface casing has been approved

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-37108

H. SEE MEMO

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

The duration of this permit is 18 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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 32 Twp 18N Rge 17W County DEWEY

Spot Location of End Point: C NW NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 990

Depth of Deviation: 8382

Radius of Turn: 578

Direction: 360

Total Length: 4588

Measured Total Depth: 13876

True Vertical Depth: 8890

End Point Location from Lease,
Unit, or Property Line: 0

Notes:

Category

Description

DEEP SURFACE CASING

12/4/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

12/4/2019 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

INTERMEDIATE CASING

12/4/2019 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

LOCATION EXCEPTION - 703328 (201904395)

12/5/2019 - GC2 - (I.O.) 32-18N-17W
X167063 SKNR
COMPL. INT. NCT 330' FSL, NCT 330' FNL, NCT 660' FEL
NO OP. NAMED
10-7-2019

MEMO

12/4/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN RIVER),
PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

043 23714 THOMSEN 32 PA 1HS

The duration of this permit is 18 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.

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

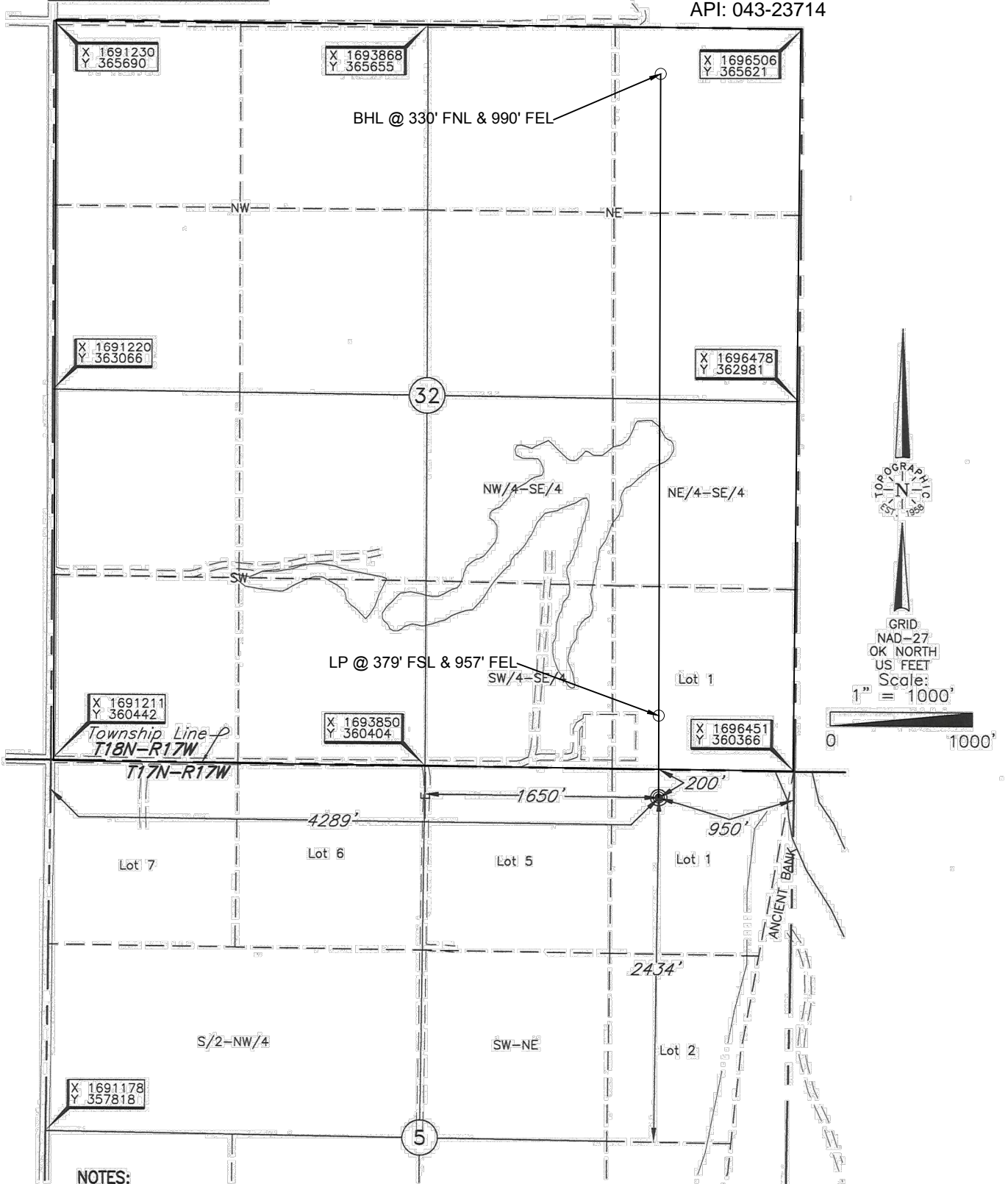
13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

DEWEY

County, Oklahoma

200'FNL-1650'FWL-NE/4 Section 5 Township 17N Range 17W I.M.
200'FNL - 4289'FWL

API: 043-23714



NOTES:

- THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

Operator: MEWBORNE OIL COMPANY

Lease Name: THOMSEN 32PA

Well No.: #1HS

ELEVATION:

1711' Gr. at Stake

Topography & Vegetation Loc. fell in level alfalfa field

Good Drill Site? Yes Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From North off county road

Distance & Direction

from Hwy Jct or Town From North side of river at Taloga, OK., on US Hwy. 183, go ±5.0 mi. West, then ±3.5 mi. South, then ±1.0 mi. East to the NW Cor. of Sec. 5-T17N-R17W

DATUM: NAD-27
LAT: 35°59'06.2"N
LONG: 99°01'45.2"W
LAT: 35.985049593° N
LONG: 99.029233974° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1695497
Y: 360180

Revision ☒ B

Date of Drawing: Nov. 22, 2019

Project # 127909 Date Staked: Jul. 10, 2019

AC

CERTIFICATE:

I, T. Wayne Fisch an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

T. Wayne Fisch
Oklahoma Lic. No. 1378

