

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

API NUMBER: 133 25351

Approval Date: 10/22/2019

Expiration Date: 04/22/2021

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 7N Rge: 6E

County: SEMINOLE

SPOT LOCATION: ☐ NW ☐ NW ☐ SE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 1485 1155

Lease Name: JOSLIN

Well No: 1

Well will be 165 feet from nearest unit or lease boundary.

Operator Name: MESA EXPLORATION CO INC

Telephone: 2149144700

OTC/OCC Number: 18684 0

MESA EXPLORATION CO INC
4925 GREENVILLE AVE STE 200
DALLAS, TX 75206-0500

CARUTH LLC
P.O. BOX 1815
SEMINOLE OK 74818

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

	Name	Depth	Name	Depth
1	SENORA	2200	6	
2	GILCREASE	3100	7	
3	CROMWELL	3200	8	
4	VIOLA	4100	9	
5	2ND WILCOX	4250	10	

Spacing Orders: 278785

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201904695

Special Orders:

Total Depth: 4350

Ground Elevation: 0

Surface Casing: 1100

Depth to base of Treatable Water-Bearing FM: 1050

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: ADA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

Notes:

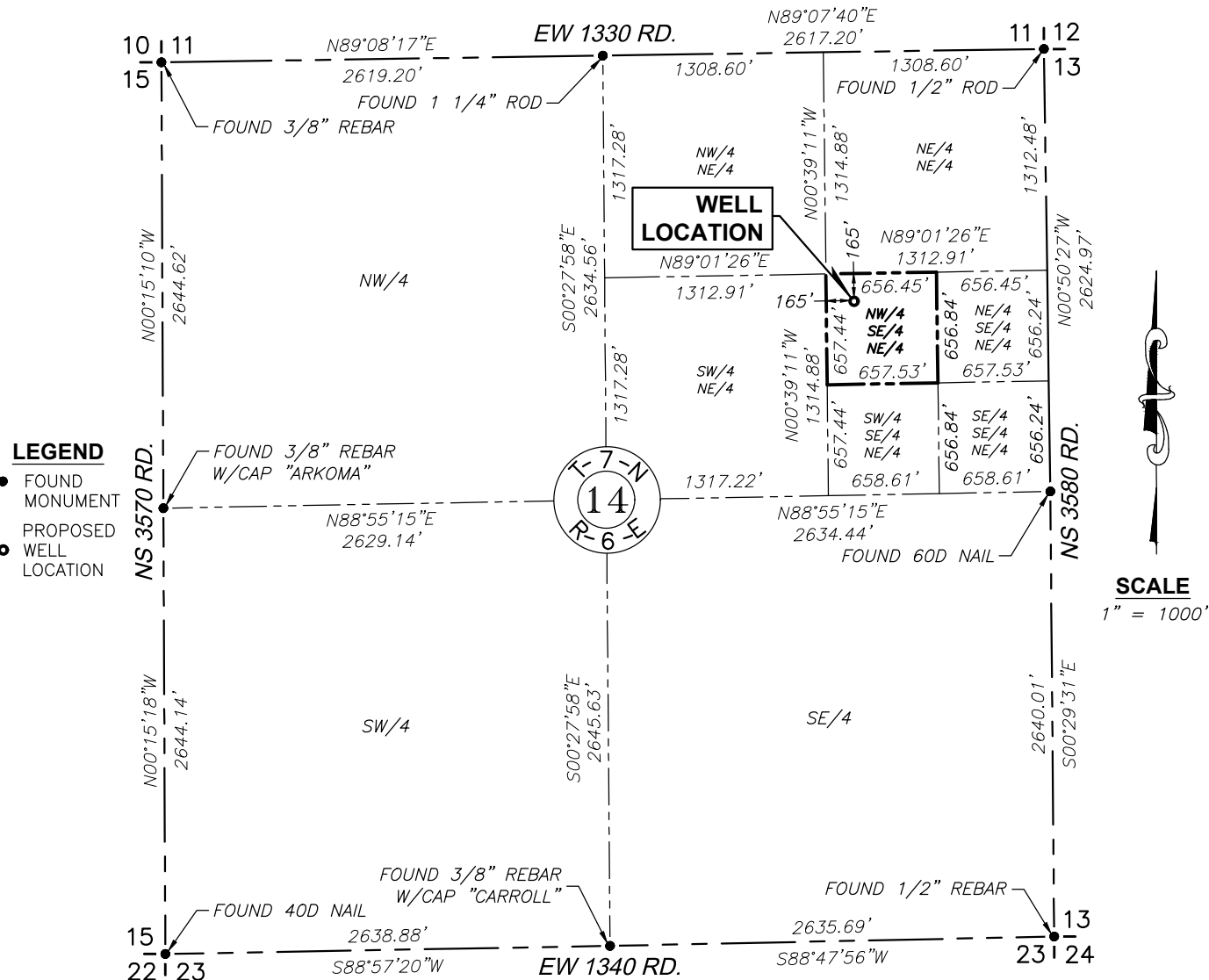
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
HYDRAULIC FRACTURING	<p>9/18/2019 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
PENDING CD - 201904695	<p>10/22/2019 - G56 - (E.O.) SE4 NE4 14-7N-6E X278785 SNOR, GLCR, CMWL, VIOL, WLCX2 COMPL INT NCT 165' FNL, NCT 165' FWL MESA EXPLORATION COMPANY, INC. REC 10/22/2019 (DENTON) PER ATTORNEY FOR OPERATOR</p>
SPACING - 278785	<p>10/21/2019 - G56 - (40) SE4 NE4 14-7N-6E VAC 61325 SNOR, CMWL, VIOL, WLCX, OTHERS EST SNOR, GLCR, CMWL, VIOL, WLCX2, OTHERS</p>

WELL LOCATION MAP

133-25351

NW/4 SE/4 NE/4
SEC. 14, T7N-R6E I.M.
SEMINOLE COUNTY, OK



- LEGEND**
- FOUND MONUMENT
 - PROPOSED WELL LOCATION

BASIS OF BEARING
OKLAHOMA STATE PLANE
SOUTH ZONE (NAD83)
GRID NORTH

WELL LOCATION
GEODETIC POSITION
LAT: N 35°04'58.4646"
LONG: W 96°38'19.2006"

WELL GROUND ELEVATION
VERTICAL DATUM: NAVD88
ELEVATION: 1019.42

OKLAHOMA STATE PLANE COORDINATES
SOUTH ZONE (NAD83)(2011)
N: 639,466.63
E: 2,375,786.35

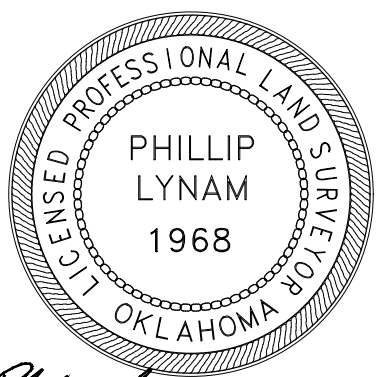
CERTIFICATE OF SURVEY
DATE: SEPTEMBER 19, 2019

I, PHILLIP LYNAM, LICENSED PROFESSIONAL LAND SURVEYOR DO HEREBY CERTIFY AS OF THE DATE SET FORTH ABOVE THAT I HAVE MADE A CAREFUL SURVEY OF THE WELL LOCATION AS SHOWN ON THE ABOVE DRAWING AND DESCRIBED AS 165 FEET EAST OF THE WEST LINE AND 165 FEET SOUTH OF THE NORTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER (NW/4 SE/4 NE/4) OF SECTION FOURTEEN (14), TOWNSHIP SEVEN (7) NORTH, RANGE SIX (6) EAST OF THE INDIAN MERIDIAN, SEMINOLE COUNTY, OKLAHOMA.

I CERTIFY THAT THE ABOVE DRAWING IS A TRUE AND CORRECT REPRESENTATION OF SAID DESCRIBED LOCATION.

GENERAL NOTES

- A BOUNDARY SURVEY HAS NOT BEEN PERFORMED IN PREPARATION OF WELL LOCATION PLAT.
- THIS DRAWING MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.
- THE LAST DAY VISITING SITE 09/19/2019.



Phillip Lynam 09/19/2019
PHILLIP LYNAM, PLS #1968 DATE

CLIENT: **MESA EXPLORATION COMPANY, INC.**

LOCATION: NW/4 SE/4 NE/4 SECTION 14, T7N-R6E I.M., SEMINOLE COUNTY, OK

DATE OF SURVEY: 09/18/2019 AND 09/19/2019

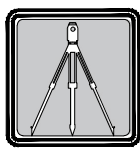
SURVEYED BY: PL

DATE OF DRAWING: 09/19/2019

DRAWN BY: PL

JOB NO. 19-0905

PAGE: 1 OF 1



Lynam Land Surveying, LLC

341069 E. Country Meadows Dr., Meeker, OK 74855
Phone: (405) 695-6195 Email: phillip@lynam-ls.com
C.A. #7971 Exp. June 30, 2021