

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

API NUMBER: 019 26321

Approval Date: 04/05/2019

Expiration Date: 10/05/2020

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 3S Rge: 3W

County: CARTER

SPOT LOCATION: S2 NE NE NE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2276 2310

Lease Name: SHILLING

Well No: 3-2

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: THUNDER OIL & GAS LLC

Telephone: 5802263800

OTC/OCC Number: 10073 0

THUNDER OIL & GAS LLC
PO BOX 1788
ARDMORE, OK 73402-1788

JES TRUST HARRY A SPRING
PO BOX 1788
ARDMORE OK 73402

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

	Name	Depth	Name	Depth
1	DORNICK HILLS	4200	6	
2	SYCAMORE	5300	7	
3	HUNTON	5800	8	
4			9	
5			10	

Spacing Orders: 210617

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201900909
201900910

Special Orders:

Total Depth: 6050

Ground Elevation: 1038

Surface Casing: 700

Depth to base of Treatable Water-Bearing FM: 500

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

Type of Mud System: WATER BASED

Chlorides Max: 3500 Average: 2500

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: WELLINGTON

Additional Surface Owner

Address

City, State, Zip

NETTIE H ANDERSON

C/O JANE A CLIFFORD PO BOX 6061411

SHERMAN OAKS, CA 91413

LOU ANN ZELLERS

10 WEST MAIN, STE 601

ARDMORE, OK 73401

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.

Notes:

Category

Description

HYDRAULIC FRACTURING

4/4/2019 - 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: OCCWEB.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

PENDING CD - 201900909

4/5/2019 - GB1 - (I.O.) E2 NE4 2-3S-3W
X210617/278736 DKHL, SCMR, HNTN
SHL 330' FEL, 390' FNL
THUNDER OIL & GAS LLC
REC. 3/12/2019 (P. PORTER)

PENDING CD - 201900910

4/5/2019 - GB1 - E2 NE4 2-3S-3W
X210617/278736 SCMR, HNTN
1 WELL
THUNDER OIL & GAS LLC
REC. 3/12/2019 (P. PORTER)

SPACING - 210617

4/5/2019 - GB1 - (80) E2 2-3S-3W SU NW/SE
EXT OTHERS
EXT 65409 DKHL
EXT 69331 SCMR
EST HNTN

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019 26321 SHILLING 3-2

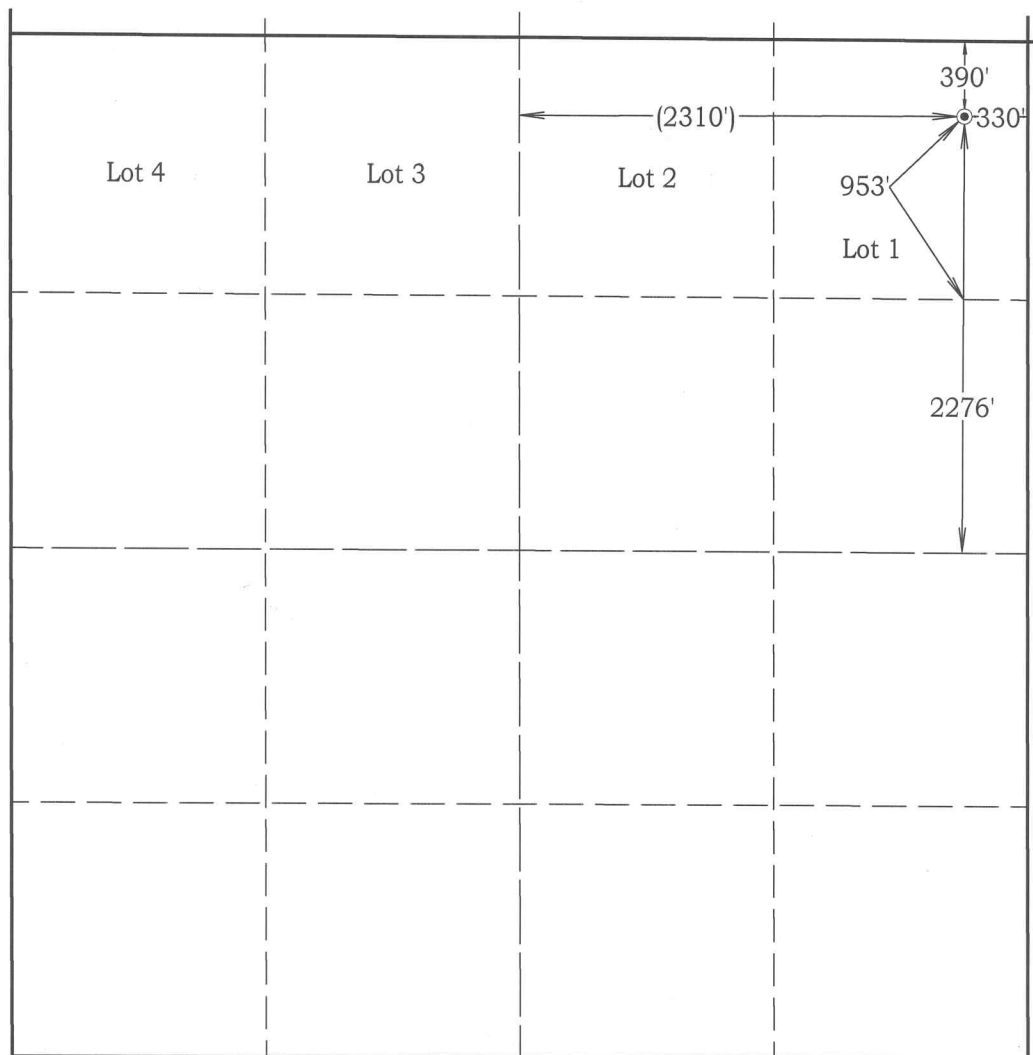
Well Location Plat**M & M Land Surveying, Inc.****520 "E" Street NW. Ardmore, OK. 73401****Office 580-226-0446 Mobile 580-221-4999 Fax 580-226-7158**

Company Name: Thunder Oil and Gas Lease Name: Shilling 3-2
 Section 2 Township 3 South Range 3 West County Carter Oklahoma

Primary Location 390' FNL - 330' FEL Elevation 1038' Good Location? Yes
 Alternate _____
 Alternate _____

Topography

Location fell in brush, ±110' south of lease road.



Scale: 1" = 1000'

Invoice # 14095

Date 3/4/14

Location G.P.S. (NAD 83)

Latitude: 34.33161°

Longitude: 97.47605°

Alternate

Latitude:

Longitude:

Best Accessibility to Location

From the Northeast corner
of section 35, T2S, R3W.

Distance & Direction From From the Jct. of SH. #53 East and SH. #76, go 1 mile East on SH. #53 to the Northeast
Corner of Section 35, T2S, R3W.
 Highway or Town _____

CERTIFICATE:

I, D. Harry McClintick, a Registered Land Surveyor in the state of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown.

D. Harry McClintick 3/7/14
 D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

This location has been staked according to the best official survey records available to us, but its accuracy is not guaranteed. Please review this plat and notify us immediately of any discrepancy.

The distances shown in parenthesis () are calculated distances based on the quarter section being 2640' and have not been measured.

