

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

API NUMBER: 121 23979 A

Approval Date: 11/27/2018  
Expiration Date: 05/27/2020

Horizontal Hole Oil & Gas

PERMIT TO DEEPEN

WELL LOCATION: Sec: 15 Twp: 7N Rge: 13E County: PITTSBURG  
SPOT LOCATION: ☐ SW ☐ SE ☐ NW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 1350 840

Lease Name: DUSTIN Well No: 1H-15 Well will be 1350 feet from nearest unit or lease boundary.  
Operator Name: ARDMORE PRODUCTION & EXPLORATION CO Telephone: 5802232292 OTC/OCC Number: 16133 0

ARDMORE PRODUCTION & EXPLORATION CO  
PO BOX 1988  
ARDMORE, OK 73402-1988

MONTE BROWN  
P.O. BOX 1542  
MCALESTER OK 74502

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

	Name	Depth	Name	Depth
1	HARTSHORNE	2460	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 66439

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201809147  
201809149

Special Orders:

Total Depth: 5280 Ground Elevation: 763 Surface Casing: 230 IP Depth to base of Treatable Water-Bearing FM: 110

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: 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: THURMAN

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.

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 15 Twp 7N Rge 13E County PITTSBURG

Spot Location of End Point: SW SE NE NE

Feet From: SOUTH 1/4 Section Line: 1389

Feet From: WEST 1/4 Section Line: 2294

Depth of Deviation: 2047

Radius of Turn: 382

Direction: 30

Total Length: 2633

Measured Total Depth: 5280

True Vertical Depth: 2460

End Point Location from Lease,

Unit, or Property Line: 346

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

11/9/2018 - G75 - 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](http://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](http://FRACFOCUS.ORG)

PENDING CD - 201809147

11/9/2018 - G75 - (E.O.) 15-7N-13E  
X66439 HRSR  
SHL 1350 FSL, 1800' FEL  
POE NCT 1746 FSL, NCT 1511' FEL  
BHL NCT 1200' TO NL, NCT 330' TO EL  
ARDMORE PROD. & EXPLOR. CO.  
REC 11-27-2018 (JACKSON)

PENDING CD - 201809149

11/9/2018 - G75 - 15-7N-13E  
X66439 HRSR  
1 WELL  
NO OP. NAMED  
HEARING 12-18-2018

SPACING - 66439

11/9/2018 - G75 - (640) 15-7N-13E  
EST HRSR, OTHERS

SURFACE LOCATION

11/9/2018 - G75 - 15-7N-13E PER 1002A

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.

121 23979 DUSTIN 1H-15



A. TYPE OF MUD SYSTEM:        WATER BASED        OIL BASED        GAS BASED (AIR DRILL)  
 B. EXPECTED MUD CHLORIDE CONTENT: maximum:                      ppm; average:                      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 Off-Site         
 F. WELLHEAD PROTECTION AREA?        Y        N       

Off-Site Pit No. \_\_\_\_\_

28. Locate Bottom Hole

5280

2310

1650

990

330

2310

1650

990

330

650 1320 1980 2640 3300 3960 4620 5280 5940 6600

2640

1980

1320

660

3300

3960

4620

5280

5940

6600

↑  
N

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.


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 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. **OCC USE ONLY**

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.

<b>SURETY:</b> APPROVED <u>50</u> REJECTED _____		<b>INTENT TO DRILL CHECKLIST -- OCC USE ONLY</b> A. NONE filed. <u>1/13/19</u> B. EXPIRED Date ➡ C. OUTSTANDING CONTEMPT ORDER		<b>GEOLOGY:</b> APPROVED _____      REJECTED _____	
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(mark only <u>ONE</u> of the check-boxes) 	NORMAL	EXPEDITED	TEMPORARY
	OAC 165:5-3-1 (b)(1)(I)(i-iv)	OAC 165:5-3-1 (b)(1)(J)(i-iv)	OAC 165:5-3-1 (b)(1)(K)(i-iv)
DIRECTIONAL WELL	\$350	\$600	\$350
	<input type="checkbox"/> check box	<input type="checkbox"/> check box	<input type="checkbox"/> check box
VERTICAL WELL	\$350	\$600	\$350
	<input type="checkbox"/> check box	<input type="checkbox"/> check box	<input type="checkbox"/> check box
HORIZONTAL WELL	\$400	\$600	\$350
	<input type="checkbox"/> check box	x <input type="checkbox"/> check box	<input type="checkbox"/> check box
MULTIUNIT WELL	\$600	\$800	\$350
	<input type="checkbox"/> check box	<input type="checkbox"/> check box	<input type="checkbox"/> check box

Oklahoma Corporation Commission  
Attention: Central Processing  
P.O. Box 52000  
Oklahoma City, OK 73152-2000

The Jim Thorpe Office Building  
(Take to the Cashier on the First Floor)  
2101 N. Lincoln Blvd.  
Oklahoma City, OK 73105

RECEIPT NO. ↓

OLA CORP COM  
 RECEIPT 1904840102  
 Date: 11/05/2018 Time: 13:33  
 Case: 0000000000 Cashier: RG  
 Payor: ARMORE PRODUCTION & EXPLOR  
 Check: 026759 \$600.00  
 45 Emery Walk Thru ITI