

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

API NUMBER: 093 25222 A

Approval Date: 04/25/2019  
Expiration Date: 10/25/2020

Horizontal Hole Oil & Gas

Amend reason: CHANGE TD AND BHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 21N Rge: 9W

County: MAJOR

SPOT LOCATION: ☐ NE ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 357 1060

Lease Name: TAGGERT 21N-9W

Well No: 11-1H

Well will be 357 feet from nearest unit or lease boundary.

Operator Name: INTERSTATE EXPLORATIONS LLC

Telephone: 8178503600

OTC/OCC Number: 24089 0

INTERSTATE EXPLORATIONS LLC  
PO BOX 984  
CISCO , TX 76437-0984

ROBERT D. RATZLAFF & MILDRED L. RATZLAFF  
47316 HIGHWAY 412  
MEON OK 73760

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6835	6	
2	WOODFORD	7650	7	
3			8	
4			9	
5			10	

Spacing Orders: 687019

Location Exception Orders: 689198

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12756

Ground Elevation: 1298

**Surface Casing: 520**

Depth to base of Treatable Water-Bearing FM: 470

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: 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? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36472  
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - FIELD RULE/ORDER 287231)

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 14 Twp 21N Rge 9W County MAJOR

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 920

Depth of Deviation: 5905

Radius of Turn: 937

Direction: 181

Total Length: 5379

Measured Total Depth: 12756

True Vertical Depth: 7650

End Point Location from Lease,  
Unit, or Property Line: 200

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

4/24/2019 - 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](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)

LOCATION EXCEPTION - 689198

G56 - (I.O.) 14-21N-9W  
X687019 MSSP, WDFD  
COMPL INT NCT 165' FSL, NCT 165' FNL, NCT 330' FWL OKLAHOMA ENERGY ACQUISITIONS, LP\*\*\*  
1/4/2019

\*\*\*S/B INTERSTATE EXPLORATIONS LLC, WILL BE CORRECTED AT FINAL HEARING FOR LOCATION EXCEPTION PER ATTORNEY FOR OPERATOR

PUBLIC WATER SUPPLY WELL

4/24/2019 - G71 - ENID - 1 PWS/WPA, SE/4 11-21N-9W

SPACING - 687019

4/25/2019 - G56 - (640)(HOR) 14-21N-9W  
VAC 75566 MNNG, MPLM  
VAC 75566/183533 MPLM  
EXT 669317 MSSP, WDFD  
POE TO BHL (MSSP) NLT 660' FB  
POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL

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093 25222 TAGGERT 21N-9W 11-1H

