

API NUMBER: 011 24152 A

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

Approval Date: 12/28/2018  
Expiration Date: 06/28/2020

Horizontal Hole Oil & Gas

Amend reason: UPDATE SURFACE HOLE LOCATION.

**AMEND PERMIT TO DRILL**

WELL LOCATION: Section: 07 Township: 14N Range: 12W County: BLAINE

SPOT LOCATION: ☐ SE ☐ SE ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 283 1499

Lease Name: NITZEL Well No: 2-18 1412MH Well will be 283 feet from nearest unit or lease boundary.  
Operator Name: TRIUMPH ENERGY PARTNERS LLC Telephone: 9725562950 OTC/OCC Number: 23826 0

TRIUMPH ENERGY PARTNERS LLC  
14001 DALLAS PKWY STE 1200  
DALLAS, TX 75240-7369

4805 NORTH HEASTON RD  
JO ANN NITZEL C/O TED NITZEL  
CALUMET OK 73014

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	12445

Spacing Orders: 137604

Location Exception Orders: 712165

Increased Density Orders: 690768  
694734

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 17959

Ground Elevation: 1663

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 170

Deep surface casing has been approved

Under Federal Jurisdiction: No  
Fresh Water Supply Well Drilled: No  
Surface Water used to Drill: Yes

**Approved Method for disposal of Drilling Fluids:**

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35957  
H. SEE MEMO

**PIT 1 INFORMATION**

**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:** BED AQUIFER  
**Pit Location Formation:** RUSH SPRINGS

**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:** BED AQUIFER  
**Pit Location Formation:** RUSH SPRINGS

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.

**HORIZONTAL HOLE 1**

Section: 18	Township: 14N	Range: 12W	Total Length: 4949
County: BLAINE			Measured Total Depth: 17959
Spot Location of End Point: SW	SE	SW	SE
Feet From: <b>SOUTH</b>			1/4 Section Line: 153
Feet From: <b>EAST</b>			1/4 Section Line: 1728
			End Point Location from Lease, Unit, or Property Line: 153

**NOTES:**

Category	Description
DEEP SURFACE CASING	7/28/2020 - GC2 - 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	7/28/2020 - GC2 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a> ; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a>
INCREASED DENSITY - 690768	7/29/2020 - G56 - 18-14N-12W X137604 MSSLM 3 WELLS NO OP NAMED 2/1/2019
INCREASED DENSITY - 694734	7/29/2020 - G56 - NPT ORDER # 690768 CORRECTING FORMATION NOMENCLATURE TO MPLM AND SPECIFY OPERATOR TRIUMPH ENERGY PARTNERS, LLC
INTERMEDIATE CASING	7/28/2020 - GC2 - 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 - 712165	7/29/2020 - G56 - (F.O.) 18-14N-12W X137604 CSTR, MPLM*** SHL (7-14N-12W) 283' FSL, 1499' FEL COMPL INT (FIRST PERF) 196' FNL, 1726' FEL COMPL INT (LAST PERF) 279', 1725' FEL NO OP NAMED 6/10/2020  ***S/B X137604 MPLM; WILL BE CORRECTED VIA NPT PER ATTORNEY FOR OPERATOR
MEMO	7/28/2020 - GC2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 137604	7/29/2020 - G56 - (640) 18-14N-12W EXT OTHERS EXT 102663/117120 MPLM, OTHERS

*T14N, R12W, I.M.*

- = PROPOSED WELLHEAD.  
 ◆ = LANDING/LAST TAKE POINT.  
 ○ = END OF LATERAL.  
 ▲ = SECTION CORNERS  
 LOCATED.

**NOTE:**

- Distances referenced on plat to section lines are perpendicular.

Plastic Cap #731  
in Road  
(SP NAD 27)  
(OK. North)  
N: 259094.97  
E: 1844046.77

Cap. #2064 N/S  
Road  
(SP NAD 27)  
(OK. North)  
N: 256457.71  
E: 1844030.07

Cap #864 In  
N/S/E Road  
(SP NAD 27)  
(OK. North)  
N: 253820.53  
E: 1844013.52

1/2" Rebar  
0.3' Below Grade  
(SP NAD 27)  
(OK. North)  
N: 251180.43  
E: 1843999.80

1/2" Rebar  
0.3' Below Grade  
(SP NAD 27)  
(OK. North)  
N: 248540.50  
E: 1843986.25

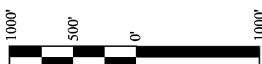
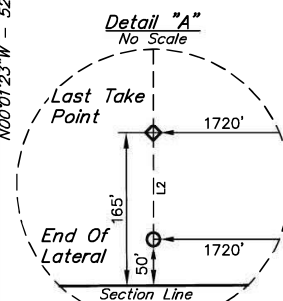
3/8" Rebar W/Cap  
0.3' Below Grade  
(SP NAD 27)  
(OK. North)  
N: 248541.76  
E: 1846558.14

5/8" Rebar W/Cap  
0.8' Below Grade  
(SP NAD 27)  
(OK. North)  
N: 259083.95  
E: 1849213.01

5/8" Rebar W/Cap  
0.5' Below Grade  
(SP NAD 27)  
(OK. North)  
N: 253824.28  
E: 1849209.91

3/8" Rebar W/Cap  
0.8' Below Grade  
(SP NAD 27)  
(OK. North)  
N: 248542.98  
E: 1849192.61

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N26°09'29"E	499.68'
L2	S00°01'23"E	115.00'



<b>NAD 83 (SURFACE LOCATION)</b>	<b>NAD 83 (TARGET BOTTOM HOLE)</b>
<b>LATITUDE = 35°41'49.38" (35.697049)</b>	<b>LATITUDE = 35°40'54.75" (35.681874)</b>
<b>LONGITUDE = 98°50'47.57" (98.513213)</b>	<b>LONGITUDE = 98°50'30.10" (98.513918)</b>
<b>STATE PLANE NAD 83 (OK, NORTH)</b>	<b>STATE PLANE NAD 83 (OK, NORTH)</b>
<b>LATITUDE = 35°41'49.38" (35.697001)</b>	<b>LATITUDE = 35°40'54.75" (35.681826)</b>
<b>LONGITUDE = 98°50'46.31" (98.512863)</b>	<b>LONGITUDE = 98°50'34.88" (98.513568)</b>
<b>STATE PLANE NAD 83 (OK, NORTH)</b>	<b>STATE PLANE NAD 83 (OK, NORTH)</b>
<b>N: 2541440.89 E: 1816110.78</b>	<b>N: 248618.25 E: 1815872.37</b>
<b>STATE PLANE NAD 27 (OK, NORTH)</b>	<b>STATE PLANE NAD 27 (OK, NORTH)</b>
<b>N: 2541162.24 E: 1847711.77</b>	<b>N: 248593.61 E: 1847472.64</b>

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM THE NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Justin Pearce*  
 JUSTIN PEARCE  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 1872  
 STATE OF OREGON

REV: 1 01-09-19 B.G. (MOVE WELL)

**TRIUMPH ENERGY PARTNERS, LLC**  
NITZEL #2-18 1412MH  
28 3' FSL 1499' FEL  
SW 1/4 SE 1/4, SECTION 7, T14N, R12W, I.M.  
BLAINE COUNTY, OKLAHOMA

SURVEYED BY	J.P.	11-07-18	SCALE
DRAWN BY	C.WIE	11-12-18	1" = 1000'

## WELL LOCATION PLAT

**UINTAH**  
ENGINEERING & LAND SURVEYING

**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017