

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

API NUMBER: 073 26307

Approval Date: 10/05/2018  
Expiration Date: 04/05/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 15N Rge: 8W

County: KINGFISHER

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 200 1960

Lease Name: COPELAND

Well No: 4-36 1508MH

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: TRIUMPH ENERGY PARTNERS LLC

Telephone: 9189868266

OTC/OCC Number: 23826 0

TRIUMPH ENERGY PARTNERS LLC  
8908 S YALE AVE STE 250  
TULSA, OK 74137-3557

SCOTT AND DENISE STROH  
ROUTE 4 BOX 199-1  
OKARCHE OK 73762

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN (LESS CHESTER)	8813	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 682698

Location Exception Orders:

Increased Density Orders: 683976

Pending CD Numbers: 201804499

Special Orders:

Total Depth: 13459

Ground Elevation: 1189

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 400

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: 5000 Average: 3000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

D. One time land application -- (REQUIRES PERMIT)  
H. SEE MEMO

PERMIT NO: 18-35029

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.

## 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

## HORIZONTAL HOLE 1

Sec 36 Twp 15N Rge 8W County KINGFISHER

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2400

Depth of Deviation: 7813

Radius of Turn: 443

Direction: 185

Total Length: 4955

Measured Total Depth: 13459

True Vertical Depth: 8813

End Point Location from Lease,  
Unit, or Property Line: 50

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

9/17/2018 - G71 - 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

9/17/2018 - 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)

#### INCREASED DENSITY - 683976

9/28/2018 - G58 - 36-15N-8W  
X682698 MSNLC, OTHER  
4 WELLS OTHER  
6 WELLS MSNLC  
NO OP. NAMED  
9/28/2018

#### INTERMEDIATE CASING

9/17/2018 - G71 - 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

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.

073 26307 COPELAND 4-36 1508MH

Category	Description
MEMO	9/17/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201804499	9/28/2018 - G58 - (I.O.) 36-15N-8W X201705108 MSNLC COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC 7/10/2018 (DUNN)
PENDING CD - 201807042	10/5/2018 - G58 - (I.O.) 36-15N-8W X165:10-3-28(C)(2)(B) MISS (COPELAND 4-36 1508MH) NO CLOSER THAN 400 FEET FROM THE COPELAND 5-36 1508MH WELL AND THE COPELAND 8-36 1508MH WELL REC 9/18/2018 (JOHNSON)
SPACING - 682698	9/28/2018 - G58 - (640)(HOR) 36-15N-8W EST MSNLC COMPL. INT. NLT 660' FB (COEXIST SP. ORDER 139996 MSSSD)

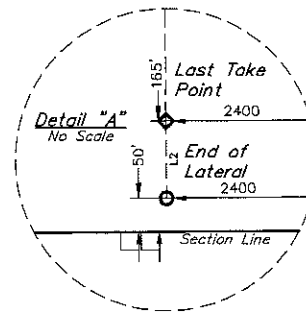
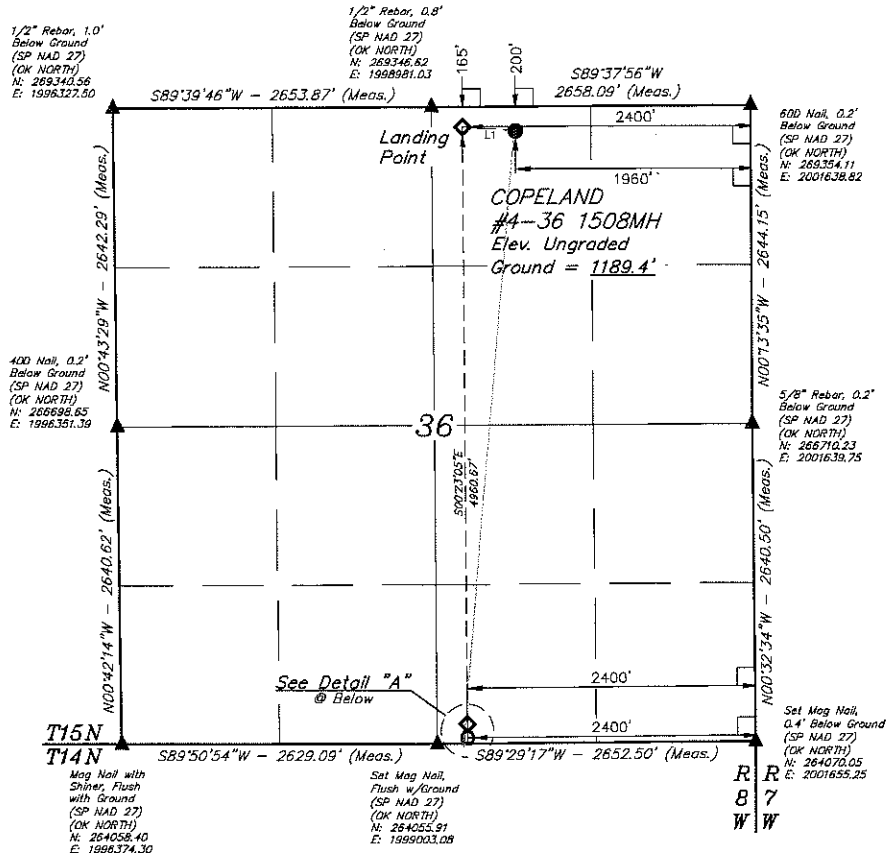
# LEGEND:

- = 90° SYMBOL
- = PROPOSED WELLHEAD.
- ◆ = LANDING/LAST TAKE POINT.
- = END OF LATERAL.
- ▲ = SECTION CORNERS LOCATED. (NAD 83)

T15N, R8W, I.M.

073-26307

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N85°49'20"W	441.28'
L2	S00°32'34"E	115.00'



NAD 83 (SURFACE LOCATION)	NAD 83 (END OF LATERAL)
LATITUDE = 35°44'22.02" (35.739449)	LATITUDE = 35°43'32.16" (35.725599)
LONGITUDE = 98°00'05.08" (98.001412)	LONGITUDE = 98°00'10.23" (98.002842)
NAD 27 (SURFACE LOCATION)	NAD 27 (END OF LATERAL)
LATITUDE = 35°44'21.85" (35.739403)	LATITUDE = 35°43'31.99" (35.725553)
LONGITUDE = 98°00'03.89" (98.001081)	LONGITUDE = 98°00'09.04" (98.002511)
STATE PLANE NAD 83 (OK. NORTH)	STATE PLANE NAD 83 (OK. NORTH)
N: 269172.39 E: 1968080.94	N: 264130.77 E: 1967656.52
STATE PLANE NAD 27 (OK. NORTH)	STATE PLANE NAD 27 (OK. NORTH)
N: 269148.64 E: 1999679.09	N: 264107.01 E: 1999254.64

**BASIS OF BEARINGS**  
BASIS OF BEARINGS IS A G.P.S. OBSERVATION

**BASIS OF ELEVATION**  
BASED ON NGS CONTROL STATION FK0642 WITH A PUBLISHED ELEVATION OF 1475.33' (NAVD88) AND A PUBLISHED POSITION OF LAT: N35°39'21.49" LONG: W98°19'42.8094" (NAVD83(2011)).

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

**UINTAH**  
ENGINEERING & LAND SURVEYING



**CERTIFICATE**  
THIS IS TO CERTIFY THAT THE ABOVE PLAT IS A TRUE AND CORRECT REPRESENTATION OF 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.

**PROFESSIONAL SURVEYOR**  
J. P. C. JUSTIN  
REGISTERED LAND SURVEYOR  
REG. NO. 1822  
STATE OF OKLAHOMA

**TRUMPH ENERGY PARTNERS, LLC**

**COPELAND #4-36 1508MH**  
NE 1/4 NE 1/4, SECTION 36, T15N, R8W, I.M.  
KINGFISHER COUNTY, OKLAHOMA

SURVEYED BY	J.P.C.	06-28-18	SCALE
DRAWN BY	CIVIL	07-10-18	1" = 1000'

**WELL LOCATION PLAT**

REV: 1 09-10-18 B.G. (MOVE WELLS)