

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

API NUMBER: 011 23910

Approval Date: 12/22/2017

Expiration Date: 06/22/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 16N Rge: 11W

County: BLAINE

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 233 1584

Lease Name: DR. NO

Well No: 1-17-20 1611MHX

Well will be 233 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

FLOYD E. & SHIRLEY S. DRIEVER
260900 EAST 709 ROAD
WATONGA OK 74137

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10465	6	
2	WOODFORD	11215	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707431
201707432

Special Orders:

Total Depth: 20359

Ground Elevation: 1560

Surface Casing: 230

Depth to base of Treatable Water-Bearing FM: 180

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: 10000 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: 17-33637

H. SEE MEMO

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? 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

HORIZONTAL HOLE 1

Sec 20 Twp 16N Rge 11W County BLAINE

Spot Location of End Point: SE SE SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1200

Depth of Deviation: 9404

Radius of Turn: 477

Direction: 185

Total Length: 10206

Measured Total Depth: 20359

True Vertical Depth: 11215

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

Notes:

Category

Description

COMPLETION INTERVAL

12/22/2017 - G75 - COMPLETION INTERVAL FOR WOODFORD WILL BE GREATER THAN 165' FNL AND FSL, GREATER THAN 330' FEL AND FWL 17 AND 20-16N-11W PER OPERATOR

HYDRAULIC FRACTURING

12/15/2017 - 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; 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

INTERMEDIATE CASING

12/15/2017 - 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

MEMO

12/15/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

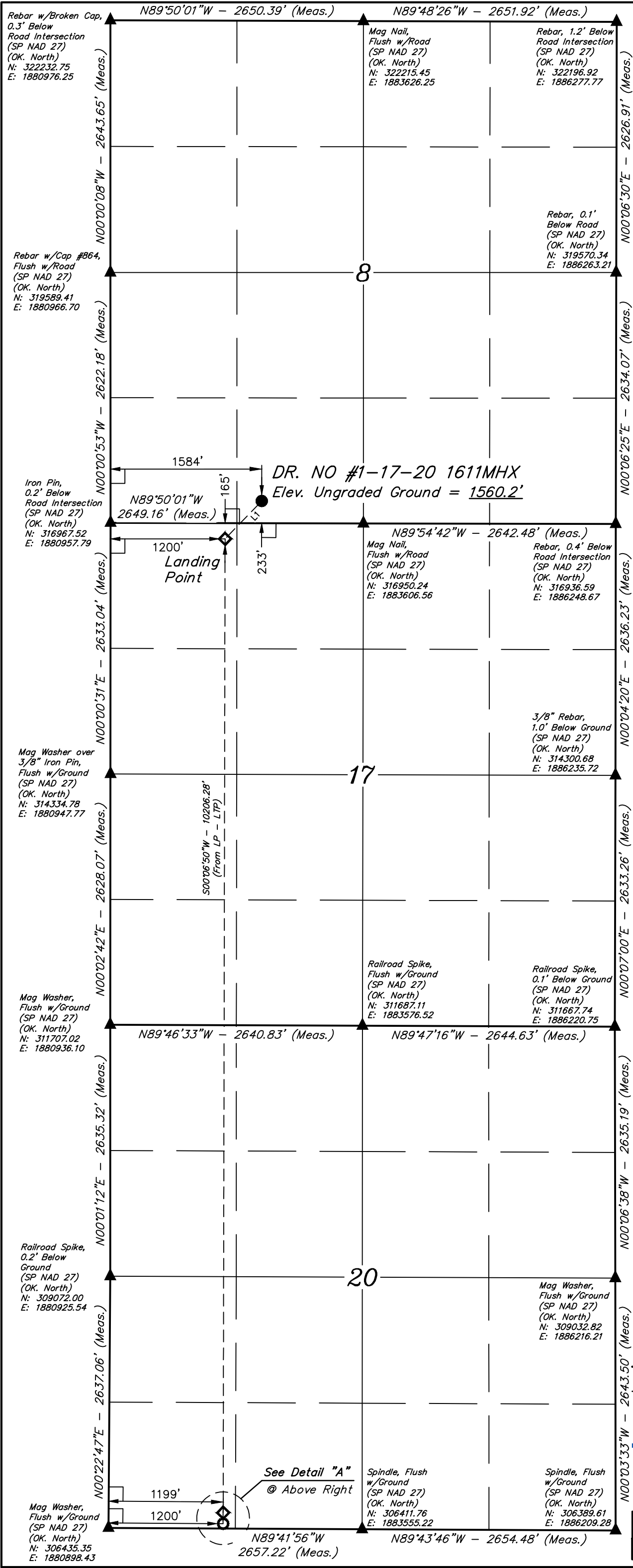
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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

011 23910 DR. NO 1-17-20 1611MHX

Category	Description
PENDING CD - 201707431	12/22/2017 - G75 - (1280)(HOR) 17 & 20-16N-11W EST MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. CD # 201602973 MSSP, WDFD 17-16N-11W & CD # 201602974 MSSP, WDFD 20-16N-11W) REC 12-4-2017 (MCKEOWN)
PENDING CD - 201707432	12/22/2017 - G75 - (I.O.) 17 & 20-16N-11W X201707431 MSSP COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC 12-22-2017 (JOHNSON)
PUBLIC WATER SUPPLY WELLS	12/15/2017 - G71 - NORTH BLAINE WATER CORP, 2 PWS/WPA, SE4 8-16N-11W & NE4 17-16N-11W



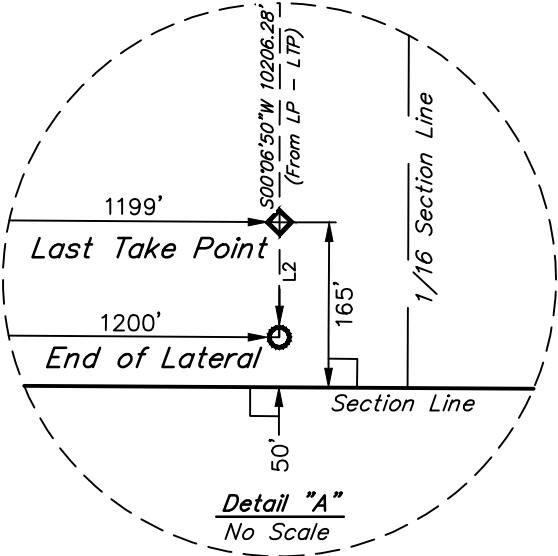
T16N, R11W, I.M.

API 011-23910

LEGEND:

- 90° SYMBOL
- PROPOSED WELLHEAD.
- TAKE POINT.
- END OF LATERAL.
- SECTION CORNERS LOCATED. (NAD 83)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S44°03'10"W	552.22'
L2	S00°06'50"W	115.00'



N

1000'

500'

0'

1000'

BASIS OF BEARINGS

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

BASIS OF ELEVATION

BENCH MARK (FK0642) LOCATED IN THE SE 1/4 OF SECTION 34, T15N, R13W, I.M., TAKEN FROM THE SQUAW CREEK, QUADRANGLE, OKLAHOMA, BLAINE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 1475 FEET.

NAD 83 (SURFACE LOCATION)
LATITUDE = 35°52'14.76" (35.870768)
LONGITUDE = 98°23'48.41" (98.396781)
NAD 27 (SURFACE LOCATION)
LATITUDE = 35°52'14.61" (35.870725)
LONGITUDE = 98°23'47.15" (98.396431)
STATE PLANE NAD 83 (OK. NORTH)
N: 317214.37 E: 1850941.48
STATE PLANE NAD 27 (OK. NORTH)
N: 317190.16 E: 1882542.36

NAD 83 (END OF LATERAL)
LATITUDE = 35°50'28.77" (35.841326)
LONGITUDE = 98°23'53.26" (98.398129)
NAD 27 (END OF LATERAL)
LATITUDE = 35°50'28.62" (35.841283)
LONGITUDE = 98°23'52.01" (98.397780)
STATE PLANE NAD 83 (OK. NORTH)
N: 306498.92 E: 1850498.03
STATE PLANE NAD 27 (OK. NORTH)
N: 306474.69 E: 1882098.75

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE DATA WAS PREPARED FROM FIELD 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.

ROBERT JUSTIN LEARUE

REGISTERED LAND SURVEYOR

REGISTRATION NO. 1822

STATE OF OKLAHOMA

2-06-17

TRIUMPH ENERGY PARTNERS, LLC

DR. NO #1-17-20 1611MHX
SE 1/4 SW 1/4, SECTION 8, T16N, R11W, I.M.
BLAINE COUNTY, OKLAHOMA

UINTAH
ENGINEERING & LAND SURVEYING

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

SURVEYED BY	B.L.	12-04-17	SCALE
DRAWN BY	D.COX	12-05-17	1" = 1000'

WELL LOCATION PLAT