

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

API NUMBER: 017 25313

Approval Date: 11/07/2018

Expiration Date: 05/07/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 14N Rge: 9W

County: CANADIAN

SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 210 1965

Lease Name: SNYDER 3-19-18

Well No: 1409MHX

Well will be 210 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

BIA CONCHO AGENCY ALOTTEE ADOPTED 3254
PO BOX 68
EL RENO OK 73036

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

Name	Depth	Name	Depth
1 MISSISSIPPI SOLID	10980	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 557482
557473

Location Exception Orders: 686178

Increased Density Orders: 684359
684357

Pending CD Numbers: 201806329
201806330

Special Orders:

Total Depth: 20366

Ground Elevation: 1392

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 240

Under Federal Jurisdiction: Yes

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? 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35615

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? 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 18 Twp 14N Rge 9W County CANADIAN

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 9980

Radius of Turn: 439

Direction: 359

Total Length: 9695

Measured Total Depth: 20366

True Vertical Depth: 10980

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

10/31/2018 - GA8 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

EXCEPTION TO RULE - 686178

11/7/2018 - G56 - (I.O.) 18 & 19-14N-9W
X165:10-3-28(C)(2)(B) MSSSD
MAY BE CLOSER THAN 600' FROM THE MOORE 2-18, KRITTENBRINK 1-19 AND PROPOSED WELLS
TRIUMPH ENERGY PARTNERS, LLC
11/6/2018

HYDRAULIC FRACTURING

10/31/2018 - GA8 - 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: OCCWEB.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

INCREASED DENSITY - 684357

11/6/2018 - G56 - 18-14N-9W
X557482 MSSSD
8 WELLS
TRIUMPH ENERGY PARTNERS, LLC
10/4/2018

This permit does not address the right of entry or settlement of surface damages.

017 25313 SNYDER 3-19-18 1409MHX

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.

Category	Description
INCREASED DENSITY - 684359	11/6/2018 - G56 - 19-14N-9W X557473 MSSSD 6 WELLS TRIUMPH ENERGY PARTNERS, LLC 10/4/2018
INTERMEDIATE CASING	10/31/2018 - GA8 - 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	10/31/2018 - GA8 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201806329	11/6/2018 - G56 - (I.O.) 18 & 19-14N-9W ESTABLISH MULTIUNIT HORIZONTAL WELL X557482 MSSSD 18-14N-9W X557473 MSSSD 19-14N-9W 50% 18-14N-9W 50% 19-14N-9W NO OP NAMED REC 9/4/2018 (JOHNSON)
PENDING CD - 201806330	11/6/2018 - G56 - (I.O.) 18 & 19-14N-9W X557482 MSSSD 18-14N-9W X557473 MSSSD 19-14N-9W COMPL INT (19-14N-9W) NCT 0' FNL, NCT 165' FSL, NCT 1500' FEL COMPL INT (18-14N-9W) NCT 0' FSL, NCT 165' FNL, NCT 1500' FEL NO OP NAMED REC 9/4/2018 (JOHNSON)
SPACING - 557473	11/6/2018 - G56 - (640) 19-14N-9W EST OTHER EXT OTHER EXT 526319 MSSSD, MNNG, CSTR, OTHERS
SPACING - 557482	11/6/2018 - G56 - (640) 18-14N-9W EXT OTHERS EXT 526319 MSSSD, MNNG, CSTR, OTHERS



Well Location Plat

Operator : TRIUMPH ENERGY PARTNERS, LLC
 Lease Name and No. : SNYDER 3-19-18 1409MHX
 Footage : 210' FSL - 1965' FEL GR. ELEVATION : 1392'
 Section : 19 Township : 14N Range : 9W I.M.
 County : Canadian State of Oklahoma
 Terrain at Loc. : Location fell in open pasture.

S.H.L. Sec. 19-14N-9W I.M.

B.H.L. Sec. 18-14N-9W I.M.



BASIS OF ELEVATION:
OPUS SOLUTION

BASIS OF BEARING:
GRID NORTH - NAD 83
STATE PLANE - OK NORTH ZONE

All bearings shown
are grid bearings.



1" = 1500'

GPS DATUM

NAD 83

NAD 27

OK NORTH ZONE

Surface Hole Loc.:
 Lat: 35°40'04.31"N
 Lon: 98°11'46.16"W
 Lat: 35.66786502
 Lon: -98.19615571
 X: 1910233
 Y: 243174

Surface Hole Loc.:
 Lat: 35°40'04.14"N
 Lon: 98°11'44.95"W
 Lat: 35.66781794
 Lon: -98.19581846
 X: 1941832
 Y: 243150

Landing Point:
 Lat: 35°40'09.16"N
 Lon: 98°11'46.32"W
 Lat: 35.66921118
 Lon: -98.19620084
 X: 1910221
 Y: 243664

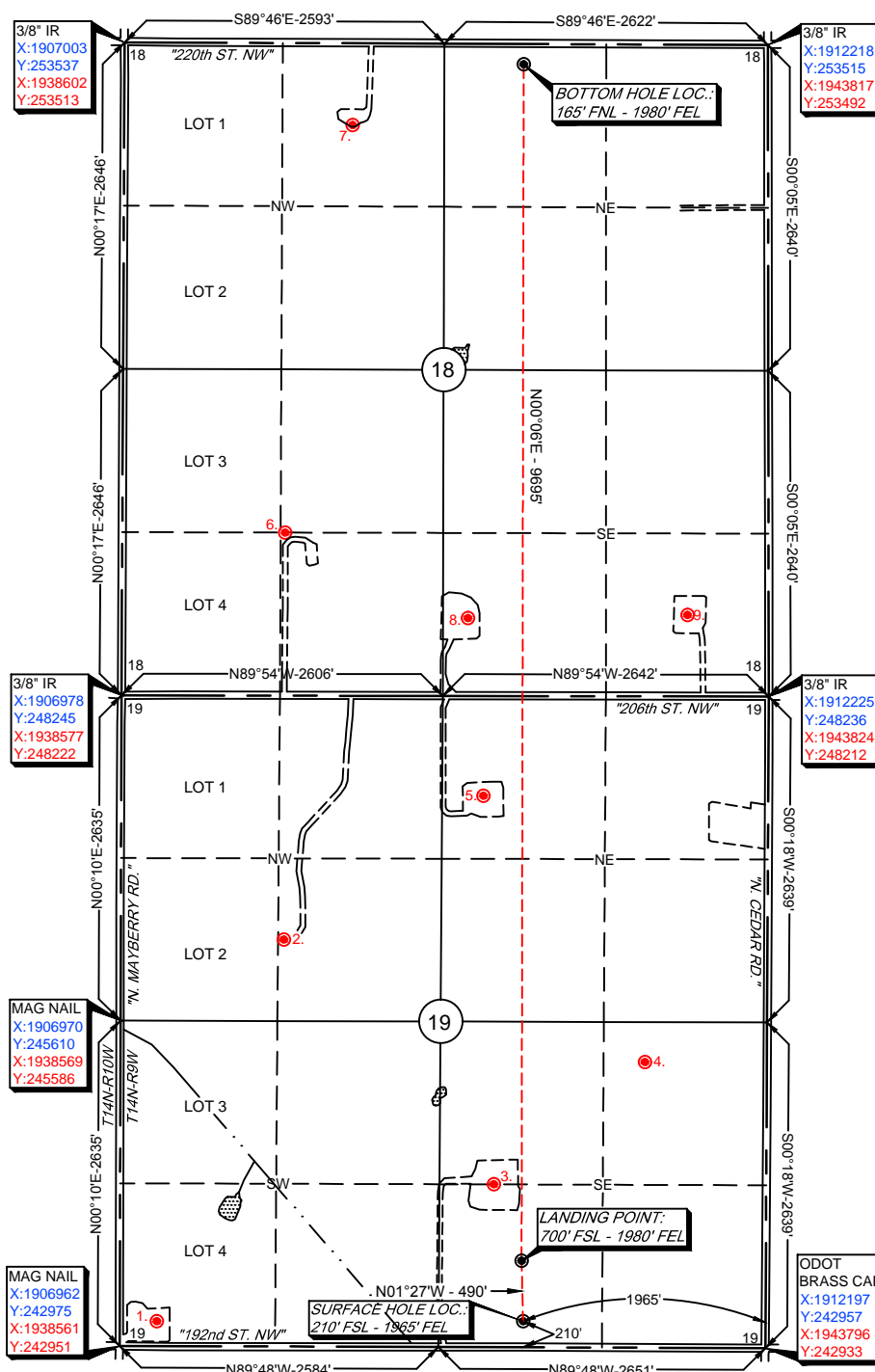
Landing Point:
 Lat: 35°40'08.99"N
 Lon: 98°11'45.11"W
 Lat: 35.66916414
 Lon: -98.19586356
 X: 1941820
 Y: 243640

Bottom Hole Loc.:
 Lat: 35°41'45.04"N
 Lon: 98°11'46.35"W
 Lat: 35.69584418
 Lon: -98.19620969
 X: 1910238
 Y: 253359

Bottom Hole Loc.:
 Lat: 35°41'44.87"N
 Lon: 98°11'45.14"W
 Lat: 35.69579789
 Lon: -98.19587188
 X: 1941837
 Y: 253335

Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.



survey and plat by,

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2018

Invoice #7247-A

Date Staked : 07/19/17 By : J.W.

Date Drawn : 07/31/17 By : J.H.

Added LP/BHL : 08/07/17 By : J.H.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Lance G. Mathis
 LANCE G. MATHIS

08/07/17

OK LPLS 1664

