

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

API NUMBER: 063 24836

Approval Date: 07/24/2018

Expiration Date: 01/24/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 7N Rge: 10E

County: HUGHES

SPOT LOCATION: ☐ SW ☐ NE ☐ SW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 1765 980

Lease Name: DORA

Well No: 5-21/28H

Well will be 980 feet from nearest unit or lease boundary.

Operator Name: TRINITY OPERATING (USG) LLC

Telephone: 9185615600

OTC/OCC Number: 23879 0

TRINITY OPERATING (USG) LLC
1717 S BOULDER AVE STE 201
TULSA, OK 74119-4842

LLN, LLC
4647 N 3877 RD
STUART OK 74570

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

	Name	Depth	Name	Depth
1	WOODFORD	4828	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801989
201801990

Special Orders:

Total Depth: 13274

Ground Elevation: 828

Surface Casing: 430

Depth to base of Treatable Water-Bearing FM: 380

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: AIR

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: 4

Liner not required for Category: 4

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

B. Solidification of pit contents.

E. Haul to Commercial pit facility: Sec. 19 Twn. 8N Rng. 5E Cnty. 125 Order No: 274874

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: 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

PIT 3 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 28 Twp 7N Rge 10E County HUGHES

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 578

Depth of Deviation: 4336

Radius of Turn: 477

Direction: 185

Total Length: 8189

Measured Total Depth: 13274

True Vertical Depth: 4828

End Point Location from Lease,
Unit, or Property Line: 1

Notes:

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063 24836 DORA 5-21/28H

Category	Description
HYDRAULIC FRACTURING	<p>7/10/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
INCREASED DENSITY - 676685	<p>7/23/2018 - G58 - 28-7N-10E X635275 WDFD, OTHERS 3 WELLS TRINITY OPERATING (USG), LLC 4/23/2018</p>
INCREASED DENSITY - 676838	<p>7/23/2018 - G58 - 21-7N-10E X636326 WDFD, OTHERS 4 WELLS TRINITY OPERATING (USG), LLC 4/25/2018</p>
MEMO	<p>7/10/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, WBM & OBM CUTTINGS CAPTURED IN CONCRETE-LINED PIT, SOLIDIFIED AND HELD UNTIL DISPOSAL APPROVED BY OCC; PIT 3 - OBM TO VENDOR</p>
PENDING CD - 201801989	<p>7/20/2018 - G58 - (I.O.) 21 & 28-7N-10E EST MULTIUNIT HORIZONTAL WELL X636326 WDFD 21-7N-10E X635275 WDFD 28-7N-10E 40% 21-7N-10E 60% 28-7N-10E NO OP. NAMED REC 4/2/2018 (JOHNSON)</p>
PENDING CD - 201801990	<p>7/20/2018 - G58 - (I.O.) 21 & 28-7N-10E X636326 WDFD 21-7N-10E X635275 WDFD 28-7N-10E COMPL. INT. (21-7N-10E) NCT 0' FSL, NCT 1920' FNL, NCT 330' FWL COMPL. INT. (28-7N-10E) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC 4/2/2018 (JOHNSON)</p>
SPACING - 635275	<p>7/20/2018 - G58 - (640)(HOR) 28-7N-10E EXT 630866 WDFD, OTHERS COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDERS: 122266 OTHER; 171597 OTHERS)</p>
SPACING - 636326	<p>7/20/2018 - G58 - (640)(HOR) 21-7N-10E VAC OTHERS EXT 630886 WDFD, OTHERS COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDERS: 122266 OTHER; 165954 OTHER; 264562 OTHER; 171597 OTHERS)</p>
SPACING - 645616	<p>7/20/2018 - G58 - NPT TO SP. ORDER 635275 TO CORRECT ORDER BEING EXTENDED TO 630886</p>

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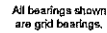
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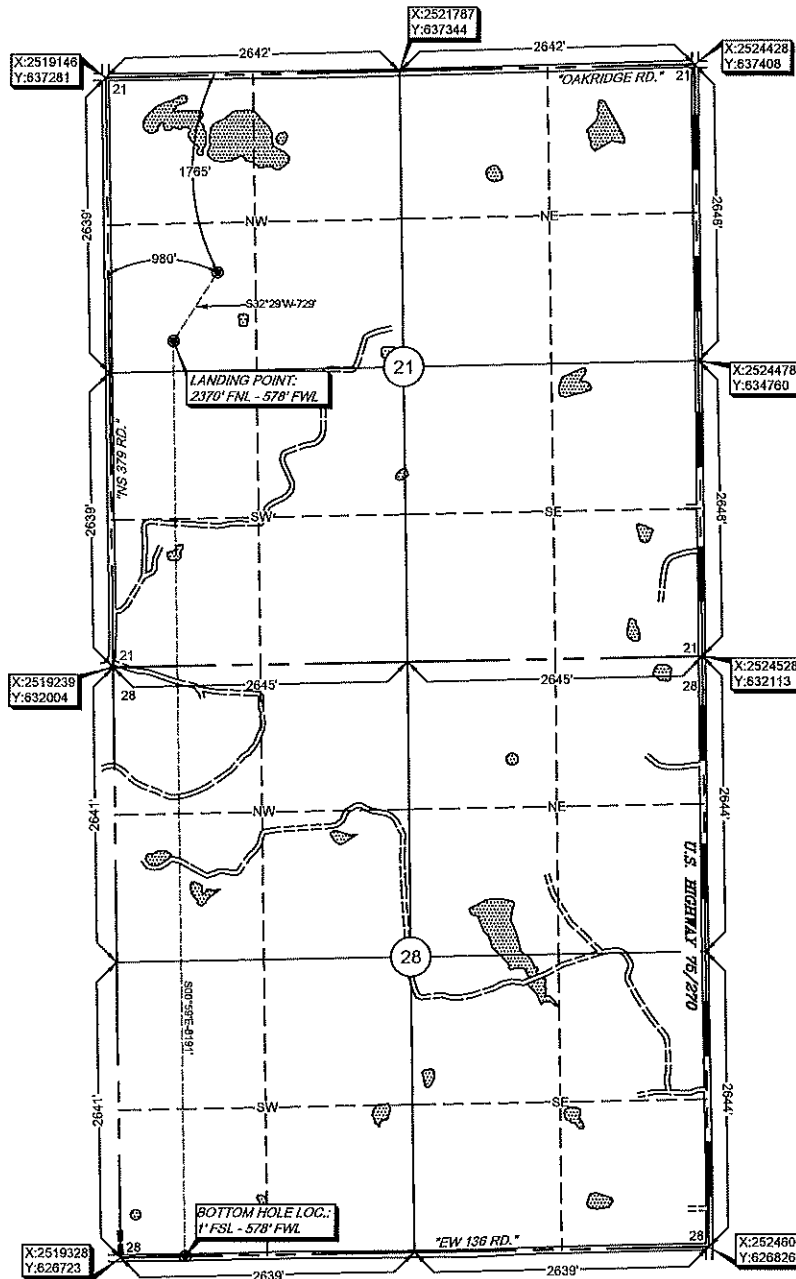
Well Location Plat

S.H.L. Sec. 21-7N-10E I.M.
B.H.L. Sec. 28-7N-10E I.M.

Terrain at Loc.: Location fell in open pasture with scattered timber, with small drains to the North, East and through the Southeast corner..


$$1'' = 1320'$$

Bottom Hole Loc.:
Lat: 35°02'35.64"N
Lon: 96°15'47.08"W
X: 2519906
Y: 626736



phones note that this location was marked on the ground under the supervision of a Licensed Professional Land Surveyor, and the accuracy of this survey is not questionable. Please contact Athena Surveying and Mapping promptly if any discrepancy is determined. GPS data is collected from RTK - GPS receivers and is not subject to station movement. No data has been collected or stored for this location. The location of the survey point is assumed to be a proportional distance from opposing section corners, or measurement interval, and may not have been measured on-the-ground, and, further, does not represent a true boundary survey.

OK LPLS 1664

