

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

API NUMBER: 063 24793

Approval Date: 04/25/2018

Expiration Date: 10/25/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 7N Rge: 10E County: HUGHES
SPOT LOCATION: ☐ NW ☐ NW ☐ SE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 1550 1105

Lease Name: NADINE Well No: 2-10/15H Well will be 1105 feet from nearest unit or lease boundary.
Operator Name: TRINITY OPERATING (USG) LLC Telephone: 9185615631 OTC/OCC Number: 23879 0

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

GEOFFREY ALLEN SMITH
9750 HAMILTON CIRCLE DRIVE NORTH
MOBILE AL 36695

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

Name	Depth	Name	Depth
1 WOODFORD	4427	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 675019
637781

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801157
201801158
201801164
201801165

Special Orders:

Total Depth: 13828 Ground Elevation: 838 Surface Casing: 370 Depth to base of Treatable Water-Bearing FM: 320

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 BED AQUIFER

Pit Location Formation: CALVIN

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.

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

H. PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, WBM & OBM CUTTINGS CAPTURED IN CONCRETE-L

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 BED AQUIFER

Pit Location Formation: CALVIN

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 BED AQUIFER

Pit Location Formation: CALVIN

HORIZONTAL HOLE 1

Sec 15 Twp 7N Rge 10E County HUGHES

Spot Location of End Point: SE SE SW SE

Feet From: SOUTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 1534

Depth of Deviation: 3900

Radius of Turn: 573

Direction: 185

Total Length: 9027

Measured Total Depth: 13828

True Vertical Depth: 4787

End Point Location from Lease,

Unit, or Property Line: 1

Additional Surface Owner

JAMES GREGORY SMITH

Address

521 TAN TARA RD

City, State, Zip

STILLWATER, OK 74074

Notes:

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.

063 24793 NADINE 2-10/15H

Category	Description
HYDRAULIC FRACTURING	4/18/2018 - 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 ; 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
MEMO	4/18/2018 - 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
MEMO	4/18/2018 - G71 - DRILLING IN GREASY CREEK SPRING GAS STORAGE IN BOOCH (ORDER 29729); MUST NOTIFY GAS STORAGE OPERATOR PER OCC 165:10-3-5
PENDING CD - 201801157	4/25/2018 - G57 - (I.O.) 10 & 15-7N-10E EST MULTIUNIT HORIZONTAL WELL X675019 WDFD 10-7N-10E X637781 WDFD 15-7N-10E 42.7% 10-7N-10E 57.3% 15-7N-10E NO OP. NAMED REC 2-27-2018 (DUNN)
PENDING CD - 201801158	4/25/2018 - G57 - (I.O.) 10 & 15-7N-10E X675019 WDFD 10-7N-10E X637781 WDFD 15-7N-10E COMPL. INT. (10-7N-10E) NCT 1750' FNL, NCT 0' FSL, NCT 1006' FEL COMPL. INT. (15-7N-10E) NCT 0' FNL, NCT 165' FSL, NCT 1006' FEL NO OP. NAMED REC 2-27-2018 (DUNN)
PENDING CD - 201801164	4/19/2018 - G57 - 10-7N-10E X675019 WDFD 8 WELLS NO OP. NAMED REC 2-27-2018 (DUNN)
PENDING CD - 201801165	4/25/2018 - G57 - 15-7N-10E X637781 WDFD 4 WELLS NO OP. NAMED REC 2-27-2018 (DUNN)
SPACING - 637781	4/25/2018 - G57 - (640)(HOR) 15-7N-10E EXT 629877 WDFD, OTHERS POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 675019	4/19/2018 - G57 - (640)(HOR) 10-7N-10E EXT 636029 WDFD, OTHERS POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST W/ SP. ORDER 162672 WDFD NW4 & SP. ORDER 295635 WDFD S2)

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.



Well Location Plat

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

B.H.L. Sec. 15-7N-10E I.M.

Operator: TRINITY OPERATING

Lease Name and No.: NADINE #2-10/15H

API: 063 24793

Footage: 1550' FNL - 1105' FEL Gr. Elevation: 838'

Section: 10 Township: 7N Range: 10E I.M.

County: Hughes State of Oklahoma

Terrain at Loc.: Location fell in a pasture with timber, sloping down to the Northeast.



All bearings shown
are grid bearings.

0 660' 1320' 1980'

1" = 1320'

GPS DATUM

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:

Lat: 35°05'49.42"N

Lon: 96°14'00.24"W

X: 2528446

Y: 646478

Landing Point:

Lat: 35°05'49.54"N

Lon: 96°14'05.41"W

X: 2528016

Y: 646483

Bottom Hole Loc.:

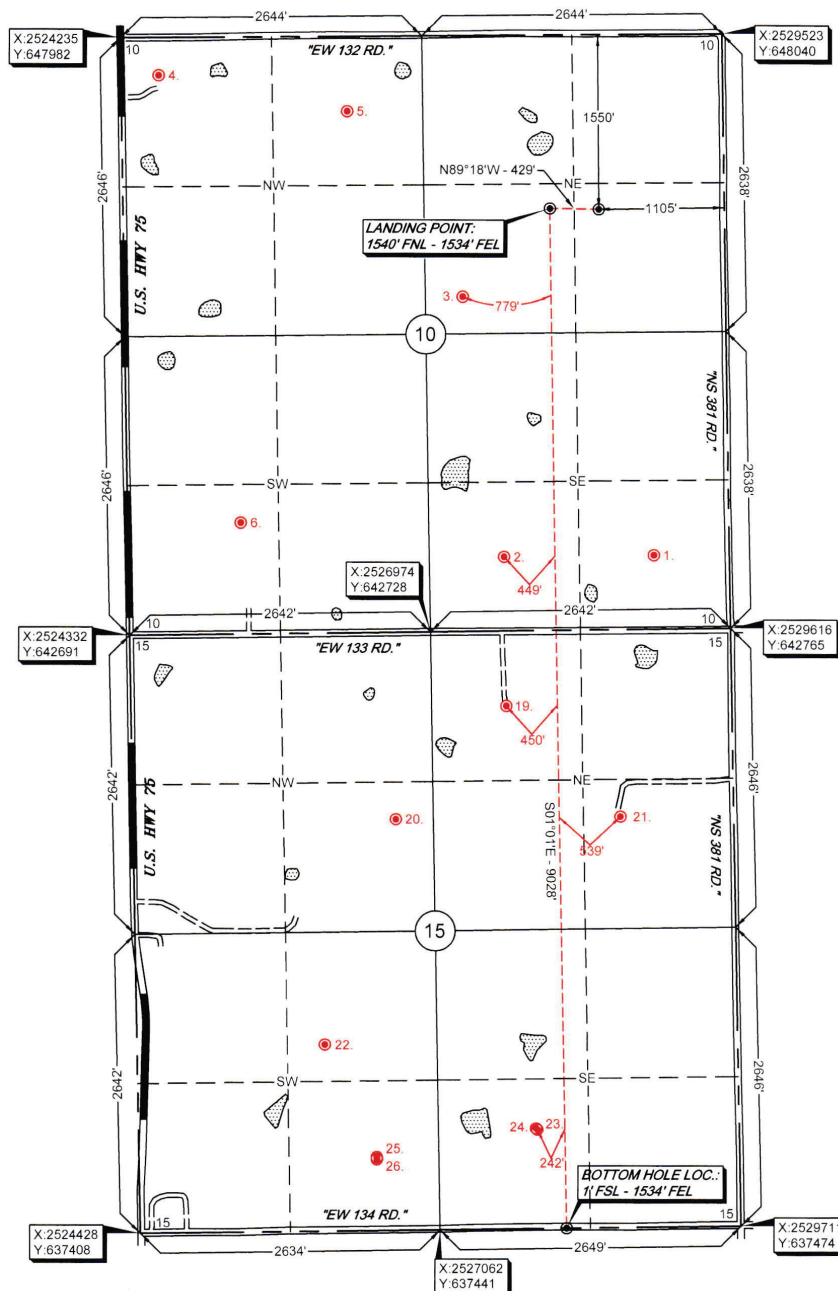
Lat: 35°04'20.24"N

Lon: 96°14'05.38"W

X: 2528177

Y: 637456

Please note that this location was taken on the ground under the supervision of a Licensed Professional Land Surveyor, and the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inaccuracy is determined. GPS data is obtained from RTK - GPS being used on the ground, and further, does NOT represent a true Boundary Survey. 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.



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 #7576-A

Date Staked: 02/14/18 By: H.S.

Date Drawn: 02/20/18 By: C.K.

Added LP/BHL: 04/11/18 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

04/11/18

OK LPLS 1664

