

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

API NUMBER: 063 24802

Approval Date: 05/21/2018

Expiration Date: 11/21/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 6N Rge: 10E County: HUGHES  
SPOT LOCATION: ☐ NW ☐ SE ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 759 541

Lease Name: BERTHA Well No: 2-32/29H Well will be 541 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

MARK BROWN AND DEENA BROWN  
7925 E 137 RD  
HOLDENVILLE OK 74848

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

Name	Depth	Name	Depth
1 WOODFORD	5011	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801144  
201801148  
201801147  
201801153  
201801154

Special Orders:

Total Depth: 14997 Ground Elevation: 835 Surface Casing: 260 Depth to base of Treatable Water-Bearing FM: 210

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.

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 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 29 Twp 7N Rge 10E County HUGHES

Spot Location of End Point: SE NE NW NE

Feet From: NORTH 1/4 Section Line: 600

Feet From: EAST 1/4 Section Line: 1534

Depth of Deviation: 4512

Radius of Turn: 460

Direction: 358

Total Length: 9763

Measured Total Depth: 14997

True Vertical Depth: 5011

End Point Location from Lease,  
Unit, or Property Line: 600

Notes:

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063 24802 BERTHA 2-32/29H

Category	Description
HYDRAULIC FRACTURING	<p>5/17/2018 - 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: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
MEMO	<p>5/17/2018 - G71 - PIT 2 &amp; 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, WBM &amp; OBM CUTTINGS CAPTURED IN CONCRETE-LINED PIT, SOLIDIFIED AND HELD UNTIL DISPOSAL APPROVED BY OCC; PIT 3 - OBM TO VENDOR</p>
PENDING CD - 201801147	<p>5/21/2018 - G58 - (I.O.) 29, &amp; 32-7N-10E  EST MULTIUNIT HORIZONTAL WELL  X201801144 WDFD, OTHERS (29-7N-10E)  X201801144 WDFD, OTHERS (32-7N-10E)  50% 29-7N-10E  50% 32-7N-10E  NO OP. NAMED  REC 4/2/2018 (JOHNSON)</p>
PENDING CD - 201801148	<p>5/21/2018 - G58 - (I.O.) 29 &amp; 32-7N-10E  X201801144 WDFD, OTHERS (29-7N-10E)  X201801144 WDFD, OTHERS (32-7N-10E)  COMPL. INT. (32-7N-10E) NCT 0' FNL, NCT 165' FSL, NCT 1534' FEL  COMPL. INT. (29-7N-10E) NCT 0' FSL, NCT 165' FNL, NCT 1534' FEL  NO OP. NAMED  REC 4/2/2018 (JOHNSON)</p>
PENDING CD – 201801144	<p>5/21/2018 - G58 - (640) (HOR) 29 &amp; 32-7N-10E  EXT 636326 WDFD, OTHERS  COMPL. INT. NLT 165' FNL &amp; FSL, NLT 330'FEL &amp; FWL  (COEXIST SP. ORDER 143397, WDFD; SP. ORDER 165954, OTHER)  REC 2/27/2018 (DUNN)</p>
PENDING CD – 201801153	<p>5/21/2018 - G58 - 29-7N-10E  X201801144 WDFD  6 WELLS  NO OP. NAMED  REC 2/27/2018 (DUNN)</p>
PENDING CD – 201801154	<p>5/21/2018 - G58 - 32-7N-10E  X201801144 WDFD  6 WELLS  NO OP. NAMED  REC 2/27/2018 (DUNN)</p>
SPACING – 676053	<p>5/21/2018 - G58 - (640)(HOR) 20-7N-10E  EST OTHERS  EXT 636326 WDFD, OTHERS  COMPL. INT. NLT 165' FNL &amp; FSL, NLT 330'FEL &amp; FWL  (COEXIST SP. ORDER 165954, OTHER; SP. ORDER 249040, OTHERS; SP. ORDER 521654 WDFD, OTHERS; SP. ORDER 533020 WDFD, OTHERS)</p>

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