

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

API NUMBER: 063 24806

Approval Date: 06/04/2018

Expiration Date: 12/04/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 6N Rge: 10E County: HUGHES

SPOT LOCATION: ☐ SW ☐ SE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 1098 2182

Lease Name: BERTHA

Well No: 4-32/29H

Well will be 1098 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	4975	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201801144
201801152
201801151
201801153
201801154

Special Orders:

Total Depth: 12219

Ground Elevation: 854

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. 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 29 Twp 7N Rge 10E County HUGHES

Spot Location of End Point: NW SW NE SW

Feet From: SOUTH 1/4 Section Line: 1940

Feet From: WEST 1/4 Section Line: 1634

Depth of Deviation: 4475

Radius of Turn: 459

Direction: 355

Total Length: 7023

Measured Total Depth: 12219

True Vertical Depth: 4975

End Point Location from Lease,
Unit, or Property Line: 1634

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 24806 BERTHA 4-32/29H

Category	Description
HYDRAULIC FRACTURING	<p>5/30/2018 - 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>
MEMO	<p>5/30/2018 - 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 - 201801152	<p>6/4/2018 - G58 - (I.O.) 29 & 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 330' FWL COMPL. INT. (29-7N-10E) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL NO OP. NAMED REC 2/27/2018 (DUNN)</p>
PENDING CD – 201801144	<p>6/4/2018 - G58 - (640) (HOR) 29 & 32-7N-10E EXT 636326 WDFD, OTHERS COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 143397, WDFD; SP. ORDER 165954, OTHER) REC 2/27/2018 (DUNN)</p>
PENDING CD – 201801151	<p>6/4/2018 - G58 - (I.O.) 29 & 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 2/27/2018 (DUNN)</p>
PENDING CD – 201801153	<p>6/4/2018 - G58 - 29-7N-10E X201801144 WDFD 6 WELLS NO OP. NAMED REC 2/27/2018 (DUNN)</p>
PENDING CD – 201801154	<p>6/4/2018 - G58 - 32-7N-10E X201801144 WDFD 6 WELLS NO OP. NAMED REC 2/27/2018 (DUNN)</p>

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.

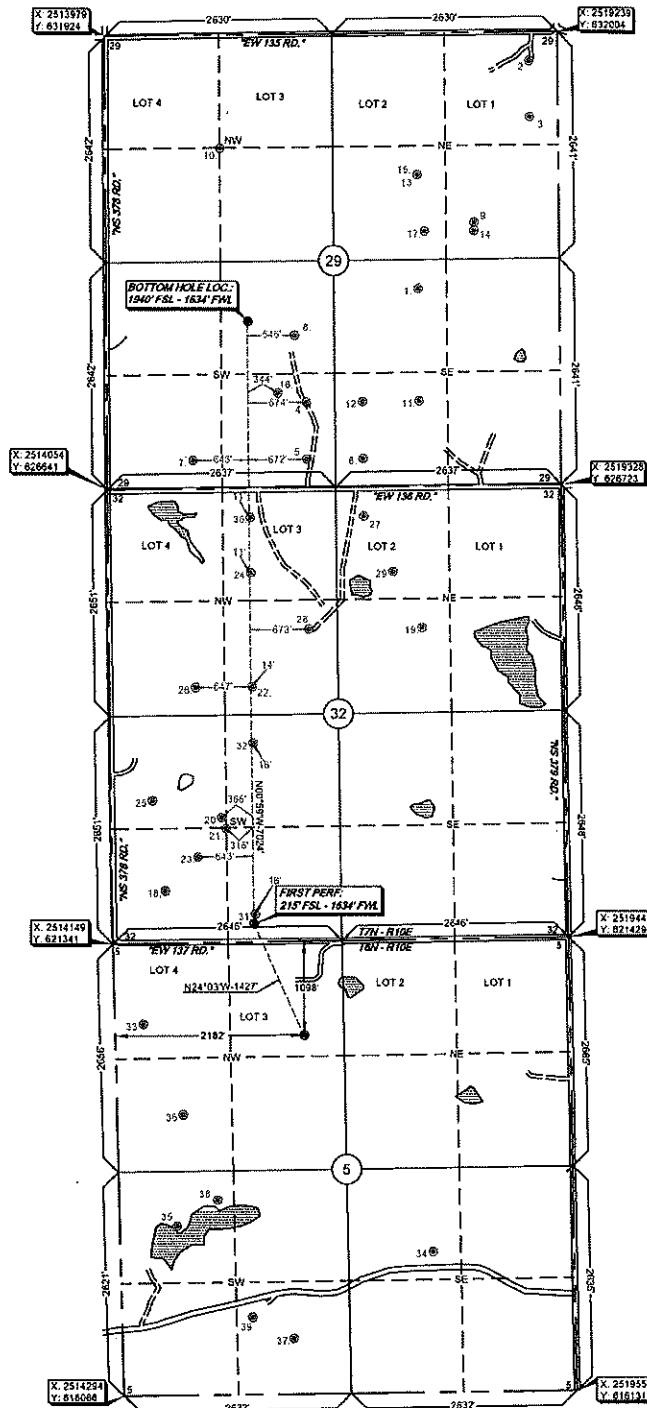
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.



Operator: TRINITY OPERATING
Lease Name and No.: BERTHA 4-32/29H
Footage: 1098' FNL - 2182' FWL Gr. Elevation: 854'
Section: 5 Township: 6N Range: 10E 1.M.
County: Hughes State of Oklahoma
Terrain at Loc.: Location fell in open pasture with a drain, and an existing fence sloping downward to the Southwest.

Bottom Hole Loc.:
Lat: 35°02'54.86"N
Lon: 96°16'37.75"W
X: 2515660
Y: 628606

of a Current Publication, Land Surveyor, for the practice of the profession of land surveying. Please contact: Alabama Surveying and Mapping professionals association. Any information is determined. GPS data is obtained from RTK - 3203 - NO-TE. A GPS data collection station for Section Corners may NOT have been surveyed on the ground, and further, does NOT represent a true Boundary Survey. Section corners may be assumed from a Government Survey Plat or assumed to be a potential station from opposing section corners, or occasionally, and may not have been measured on the ground, and further does not represent a true boundary survey.



 04/12/18
LANCE G. MATHIS OK LPLS 1864

