

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

API NUMBER: 063 24714 A

Approval Date: 10/12/2017
Expiration Date: 04/12/2018

Horizontal Hole Oil & Gas
Multi Unit

Amend reason: CORRECT INCREASED DENSITY APPLICATION;
UPDATE FORMATION DEPTH, ORDERS & BOTTOM-HOLE
INFORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 10 Twp: 6N Rge: 10E County: HUGHES
SPOT LOCATION: SW NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 400 1705

Lease Name: JANA Well No: 3-10/15H Well will be 400 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

BRANDON T. HARDEN & JOHN G. HARDEN
3825 N. 381 RD.
CALVIN OK 74531

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

Name	Depth	Name	Depth
1 WOODFORD	5679	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 629167 Location Exception Orders: 687145 Increased Density Orders: 664862
671656
687146

Pending CD Numbers: 201810663

Special Orders:

Total Depth: 16143 Ground Elevation: 892 **Surface Casing: 160** Depth to base of Treatable Water-Bearing FM: 110

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. 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 15 Twp 6N Rge 10E County HUGHES

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 2593

Depth of Deviation: 5106

Radius of Turn: 477

Direction: 185

Total Length: 10288

Measured Total Depth: 16143

True Vertical Depth: 5679

End Point Location from Lease,

Unit, or Property Line: 1

Notes:

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Category	Description
HYDRAULIC FRACTURING	10/4/2017 - 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
INCREASED DENSITY - 664862	10/12/2017 - G75 - 10-6N-10E X629167 WDFD 2 WELLS TRINITY OP. (USG), LLC 6-14-2017
LOCATION EXCEPTION - 687145	1/14/2019 - G75 - (F.O.) 10 & 15-6N-10E X629167 WDFD 10-6N-10E X671656 WDFD 15-6N-10E SHL (10-6N-10E) 400' FNL, 1705' FEL FIRST PERF (10-6N-10E) 168' FNL, 2583' FEL LAST PERF (10-6N-10E) 0' FSL, 2628' FEL FIRST PERF (15-6N-10E) 0' FNL, 2628' FEL LAST PERF (15-6N-10E) 164' FSL, 2596' FEL BHL (15-6N-10E) 0' FSL, 2593' FEL TRINITY OP. (USG), LLC 11-27-2018
MEMO	10/4/2017 - 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
PENDING CD - 201810663	1/14/2019 - G75 - 15-6N-10E X671656 WDFD 1 WELL NO OP. NAMED REC 1-7-2019 (DUNN)
SPACING - 629167	10/12/2017 - G75 - (640)(HOR) 10-6N-10E VAC OTHER EST WDFD, OTHERS COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 671656	1/14/2019 - G75 - (640)(HOR) 15-6N-10E EST WDFD, OTHERS POE TO BHL NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER # 548012 WDFD)
SPACING - 687146	1/14/2019 - G75 - (F.O.) 10 & 15-6N-10E EST MULTIUNIT HORIZONTAL WELL X629167 WDFD 10-6N-10E X671656 WDFD 15-6N-10E 49.8589% 10-6N-10E 50.1411% 15-6N-10E TRINITY OP. (USG), LLC 11-27-2018

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