

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

API NUMBER: 029 21369 B

Approval Date: 02/08/2018

Expiration Date: 08/08/2018

Horizontal Hole Oil & Gas

Amend reason: DESIGNATE MISSISSIPPIAN AS TARGET  
FORMATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 1S Rge: 9E

County: COAL

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 2409 354

Lease Name: SOLO

Well No: 1-30/31H

Well will be 354 feet from nearest unit or lease boundary.

Operator Name: CANYON CREEK ENERGY OPERATING LLC

Telephone: 9185616737

OTC/OCC Number: 23443 0

CANYON CREEK ENERGY OPERATING LLC  
2431 E 61ST ST STE 400  
TULSA, OK 74136-1237

DEEANN MILES  
37656 COUNTY RD. 1775  
COALGATE OK 74538

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6210	6	
2	WOODFORD	6500	7	
3			8	
4			9	
5			10	

Spacing Orders: 668237

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800995  
201800996  
201801000

Special Orders:

Total Depth: 14800

Ground Elevation: 636

**Surface Casing: 1000**

Depth to base of Treatable Water-Bearing FM: 320

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: ATOKA

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.

F. Haul to Commercial soil farming facility: Sec. 14 Twn. 7N Rng. 9E Cnty. 63 Order No: 551649

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: ATOKA

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: ATOKA

HORIZONTAL HOLE 1

Sec 31 Twp 1S Rge 10E County COAL

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5900

Radius of Turn: 750

Direction: 175

Total Length: 7722

Measured Total Depth: 14800

True Vertical Depth: 6500

End Point Location from Lease,

Unit, or Property Line: 1

Notes:

Category

Description

DEEP SURFACE CASING

2/6/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

This permit does not address the right of entry or settlement of surface damages.

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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.

029 21369 SOLO 1-30/31H

Category	Description
HYDRAULIC FRACTURING	<p>3/8/2018 - 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	2/6/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201800995	<p>3/8/2018 - G75 - (640)(HOR) 30-1S-10E EXT 668237 MSSP, WDFD, OTHER COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL &amp; FSL, NLT 330' FEL &amp; FWL REC 2-26-2018 (DUNN)</p>
PENDING CD - 201800996	<p>4/2/2018 - G75 - (E.O.) 30 &amp; 31-1S-10E EST MULTIUNIT HORIZONTAL WELL X201800995 MSSP, WDFD 30-1S-10E X668237 MSSP, WDFD 31-1S-10E (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 25% 30-1S-10E 75% 31-1S-10E CANYON CREEK ENERGY OP., LLC REC 3-26-2018 (JOHNSON)</p>
PENDING CD - 201801000	<p>4/2/2018 - G75 - (E.O.) 30 &amp; 31-1S-10E X201800995 MSSP, WDFD 30-1S-10E X668237 MSSP, WDFD 31-1S-10E COMPL. INT. (30-1S-10E) NCT 2000' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (31-1S-10E) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL CANYON CREEK ENERGY OP., LLC REC 3-26-2018 (JOHNSON)</p>
SPACING - 668237	<p>3/8/2018 - G75 - (640)(HOR) 31-1S-10E EST MSSP, WDFD, OTHERS COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL &amp; FSL, NLT 330' FEL &amp; FWL</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.