

API NUMBER: 029 21368	A
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OKLAHOMA CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
P.O. BOX 52000
OKLAHOMA CITY, OK 73152-2000
(Rule 165:10-3-1)

Approval Date:	02/08/2018
Expiration Date:	08/08/2018

Horizontal Hole Oil & Gas

Amend reason: AMENDING TO HZ ITD AND WELL NUMBER.

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 369

Lease Name: SOLO

Well No: 1-25/36H

Well will be 369 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	WOODFORD	5950	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201800995
201801001
201801002

Special Orders:

Total Depth: 5950

Ground Elevation: 635

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 36 Twp 1S Rge 9E County COAL

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 5851

Radius of Turn: 838

Direction: 185

Total Length: 7930

Measured Total Depth: 14630

True Vertical Depth: 5950

End Point Location from Lease,

Unit, or Property Line: 0

Notes:

Category

Description

COMPLETION INTERVAL

2/27/2018 - G58 - WILL BE LEGAL NCT 165' FSL PER OPERATOR

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.

029 21368 SOLO 1-25/36H

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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Category	Description
HYDRAULIC FRACTURING	<p>2/26/2018 - 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: OCCEWEB.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>2/6/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT</p>
PENDING CD - 201800995	<p>2/27/2018 - G58 - (640)(HOR) 25 & 36-1S-9E EXT 668237 WDFD, OTHERS COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 202239 OTHER) REC 2/27/2018 (DUNN)</p>
PENDING CD - 201801001	<p>2/27/2018 - G58 - (I.O.) 25 & 36-1S-9E EST MULTIUNIT HORIZONTAL WELL X201800995 WDFD 50% 25-1S-9E 50% 36-1S-9E NO OP. NAMED REC 2/27/2018 (DUNN)</p>
PENDING CD - 201801002	<p>2/27/2018 - G58 - (I.O.) 25 & 36-1S-9E X201800995 WDFD COMPL. INT. (25-1S-9E) NCT 0' FSL, NCT 2000' FNL, NCT 330' FEL COMPL. INT. (36-1S-9E) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL NO OP. NAMED REC 2/27/2018 (DUNN)</p>

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