

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

API NUMBER: 063 24810

Approval Date: 06/19/2018

Expiration Date: 06/19/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 5N Rge: 9E

County: HUGHES

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 220 1980

Lease Name: PANTHER 18/19

Well No: 4H

Well will be 220 feet from nearest unit or lease boundary.

Operator Name: SILVER CREEK OIL & GAS LLC

Telephone: 9725731630; 9725731

OTC/OCC Number: 22726 0

SILVER CREEK OIL & GAS LLC  
5525 N MACARTHUR BLVD STE 775  
IRVING, TX 75038-2665

ROGER ROWSEY  
27195 COUNTY ROAD 1495  
ALLEN OK 74825

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	4639	6	
2	WOODFORD	4993	7	
3			8	
4			9	
5			10	

Spacing Orders: 673854  
679010

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802889  
201802891  
201802890

Special Orders:

Total Depth: 16000

Ground Elevation: 833

**Surface Casing: 700**

Depth to base of Treatable Water-Bearing FM: 650

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: 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: 1B**

**Liner required for Category: 1B**

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
- B. Solidification of pit contents.

F. Haul to Commercial soil farming facility: Sec. 22 Twn. 2N Rng. 9E Cnty. 29 Order No: 537817

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: ON SITE

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: 3

Liner required for Category: 3

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 19 Twp 5N Rge 9E County HUGHES

Spot Location of End Point: SE SW SW SE

Feet From: SOUTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 2000

Depth of Deviation: 4384

Radius of Turn: 800

Direction: 181

Total Length: 10359

Measured Total Depth: 16000

True Vertical Depth: 5200

End Point Location from Lease,  
Unit, or Property Line: 1

Notes:

Category

Description

HYDRAULIC FRACTURING

6/6/2018 - 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: [OCCWEB.COM/OG/OGFORMS.HTML](http://OCCWEB.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](http://FRACFOCUS.ORG)

MEMO

6/6/2018 - G71 - PIT 1 - MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER, PIT 2 - MIN. 20-MIL PIT LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201802889

6/13/2018 - G57 - (I.O.) 18 & 19-5N-9E  
EST MULTIUNIT HORIZONTAL WELL  
X673854 MSSP, WDFD 18-5N-9E  
X679010 MSSP, WDFD 19-5N-9E  
(MSSP IS AN ADJACENT COMMON SOURCE OF SUPPLY TO THE WDFD)  
50% 18-5N-9E  
50% 19-5N-9E  
SILVER CREEK OIL & GAS, LLC.  
REC 5-8-2018 (MILLER)

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

063 24810 PANTHER 18/19 4H

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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.

Category	Description
PENDING CD - 201802890	6/13/2018 - G57 - (I.O.) 18-5N-9E X673854 MSSP, WDFD COMPL. INT. (18-5N-9E) NCT 165' FNL, NCT 0' FSL, NCT 330' FWL BHL (19-5N-9E) NCT 1' FSL, NCT 330' FWL NO OP. NAMED REC 5-8-2018 (MILLER)
PENDING CD - 201802891	6/13/2018 - G57 - (I.O.) 19-5N-9E X679010 MSSP, WDFD COMPL. INT. NCT 0' FNL, NCT 165' FSL, NCT 330' FWL BHL NCT 1' FSL, NCT 330' FWL NO OP. NAMED REC 5-8-2018 (MILLER)
SPACING - 673854	6/13/2018 - G57 - (640)(HOR) 18-5N-9E EST MSSP, WDFD, OTHERS POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 679010	6/13/2018 - G57 - (640)(HOR) 19-5N-9E EST MSSP, WDFD, OTHERS POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL

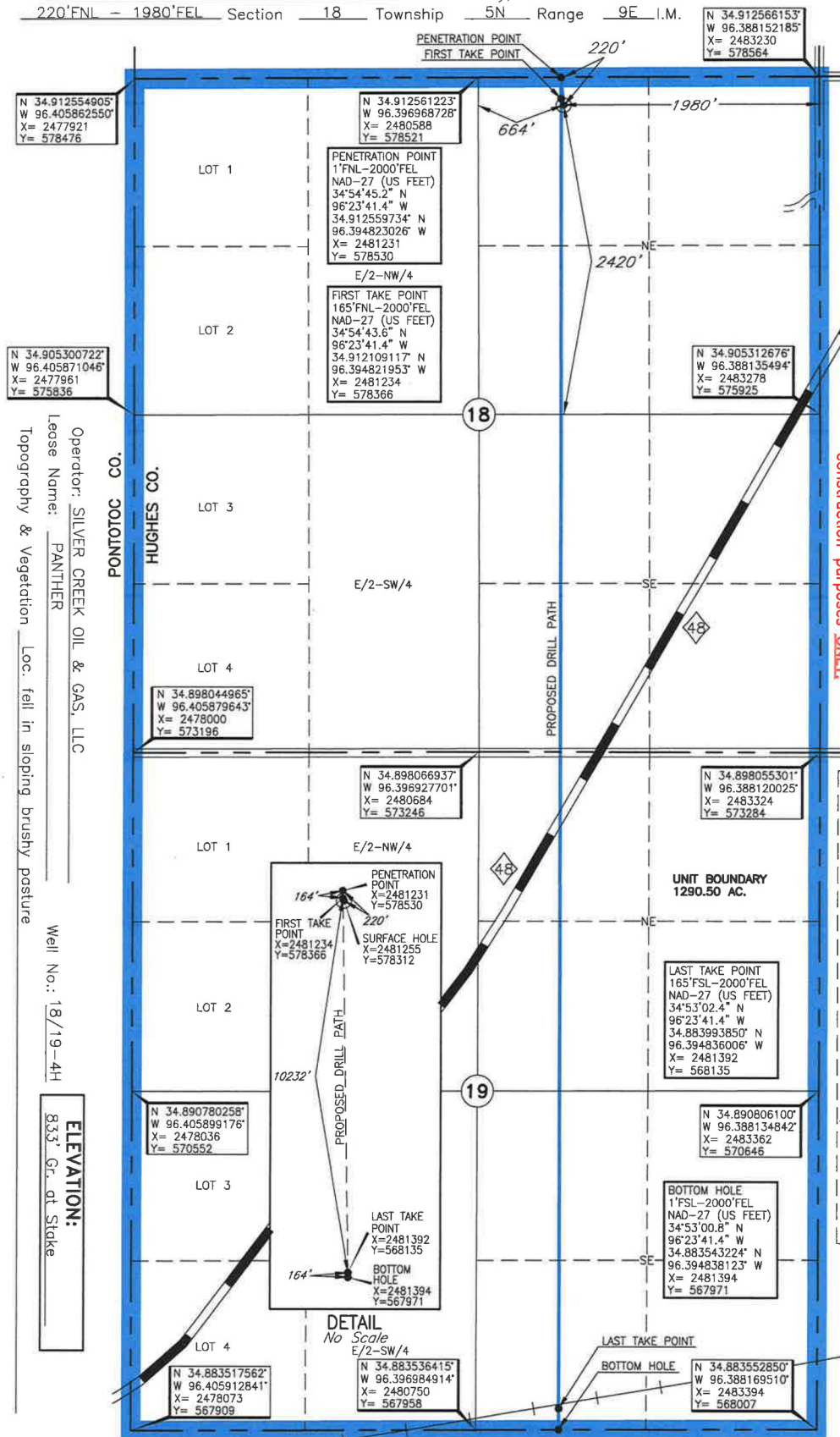
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13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293 LS

HUGHES County, Oklahoma  
220'ENL - 1980'ENL Section 18 Township 5N Range 9E I.M.



**NOTE:** The information shown herein is for construction purposes ONLY.

PENETRATION POINT, FIRST TAKE POINT, LAST TAKE POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Operator: SILVER CREEK OIL & GAS, LLC

Lease Name: PANTHER Well No.: 18/19-4H

Topography & Vegetation Loc. fell in sloping brushy pasture

Good Drill Site? Yes Reference Stakes or Alternate Location  
Stakes Set None

Best Accessibility to Location From East off county road

Distance & Direction From Allen, OK, go  $\pm 2.3$  miles Northeast on State Highway 1, then  
from Hwy Jct or Town  $\pm 0.3$  miles West to the NE Corner of Section 18-T5N-R9E

ELEVATION  
833' Gr. a

**ELEVATIONS:**

833' Gr. at Stake

DETAIL  
No Scale  
E/2-3

N 34.883  
W 96.396  
X= 2480  
Y= 5679

LAST TAKE POINT  
BOTTOM HOLE

N 34.883  
W 96.388  
X= 2483  
Y= 5680

This information was gathered with a GPS receiver with 1 foot horiz. ver. accuracy

DATUM: NAD-27  
LAT: 34°54'43.0" N  
LONG: 96°23'41.1" W  
LAT: 34.911958170° N  
LONG: 96.394753606° W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK SOUTH  
X: 2481255  
Y: 578312

Revision ☒ A Date of Drawing: Apr. 30, 2018  
Invoice # 291963A Date Staked: Apr. 16, 2018

**CERTIFICATE:**

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas T. Hare  
Oklahoma Lic. No. 1433

