

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

API NUMBER: 049 25183

Approval Date: 01/19/2018  
Expiration Date: 07/19/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 3N Rge: 3W County: GARVIN  
SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 250 2325

Lease Name: ADAMS Well No: 1-22X15H Well will be 250 feet from nearest unit or lease boundary.  
Operator Name: RED ROCKS OIL & GAS OPERATING LLC Telephone: 4056003065 OTC/OCC Number: 22649 0

RED ROCKS OIL & GAS OPERATING LLC  
1141 N ROBINSON AVE STE 301  
OKLAHOMA CITY, OK 73103-4919

W.V. & JO ANN ADAMS  
18375 NORTH COUNTY ROAD 3130  
ELMORE CITY OK 73433

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

Name	Depth	Name	Depth
1 WOODFORD	9034	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 662185

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201708179  
201708181  
201708183  
201800315

Special Orders:

Total Depth: 20613 Ground Elevation: 1051 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 330

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: PURCELL

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-33661  
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: 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: PURCELL

HORIZONTAL HOLE 1

Sec 15 Twp 3N Rge 3W County GARVIN

Spot Location of End Point: NE NE NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 2560

Depth of Deviation: 8763

Radius of Turn: 1000

Direction: 358

Total Length: 10279

Measured Total Depth: 20613

True Vertical Depth: 9034

End Point Location from Lease,  
Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

1/8/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

1/8/2018 - 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: [OCCEWEB.COM/OG/OGFORMS.HTML](http://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](http://FRACFOCUS.ORG)

MEMO

1/8/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201708179

1/9/2018 - G57 - (E.O.)(640)(HOR) 15-3N-3W  
EXT 662185 WDFD  
POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL  
REC 1-5-2018 (MINMIER)

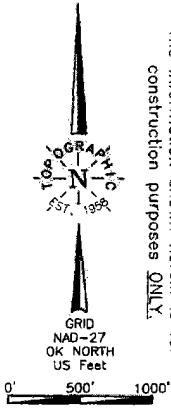
This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
PENDING CD - 201708181	1/9/2018 - G57 - (E.O.) 22 & 15-3N-3W ESTABLISH MULTIUNIT HORIZONTAL WELL X662185 WDFD 22-3N-3W X201708179 WDFD 15-3N-3W 50% 22-3N-3W 50% 15-3N-3W RED ROCKS OIL & GAS OPERATING, LLC. REC 1-5-2018 (MINMIER)
PENDING CD - 201708183	1/9/2018 - G57 - (E.O.) 22 & 15-3N-3W X662185 WDFD 22-3N-3W X201708179 WDFD 15-3N-3W SHL (22-3N-3W) NCT 250' FSL, NCT 2325' FEL COMPL. INT. (22-3N-3W) NCT 165' FSL, NCT 0' FNL, NCT 2460' FWL COMPL. INT. (15-3N-3W) NCT 0' FSL, NCT 165' FNL, NCT 2640' FWL NO OP. NAMED REC 1-5-2018 (MINMIER)
PENDING CD - 201800315	1/19/2018 - G57 - (E.O.) 22-3N-3W X662185 WDFD 1 WELL NO OP. NAMED MH 1-19-2018
SPACING - 662185	1/9/2018 - G57 - (640)(HOR) 22-3N-3W EST OTHERS EXT 655157 WDFD, OTHER POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER #346320 WDFD E2 NE4 & ORDER #518201 WDFD E2 SE4)
SURFACE HOLE LOCATION	1/19/2018 - G57 - SHL CHANGED TO 250' FSL, 2325' FEL PER SURVEY PLAT

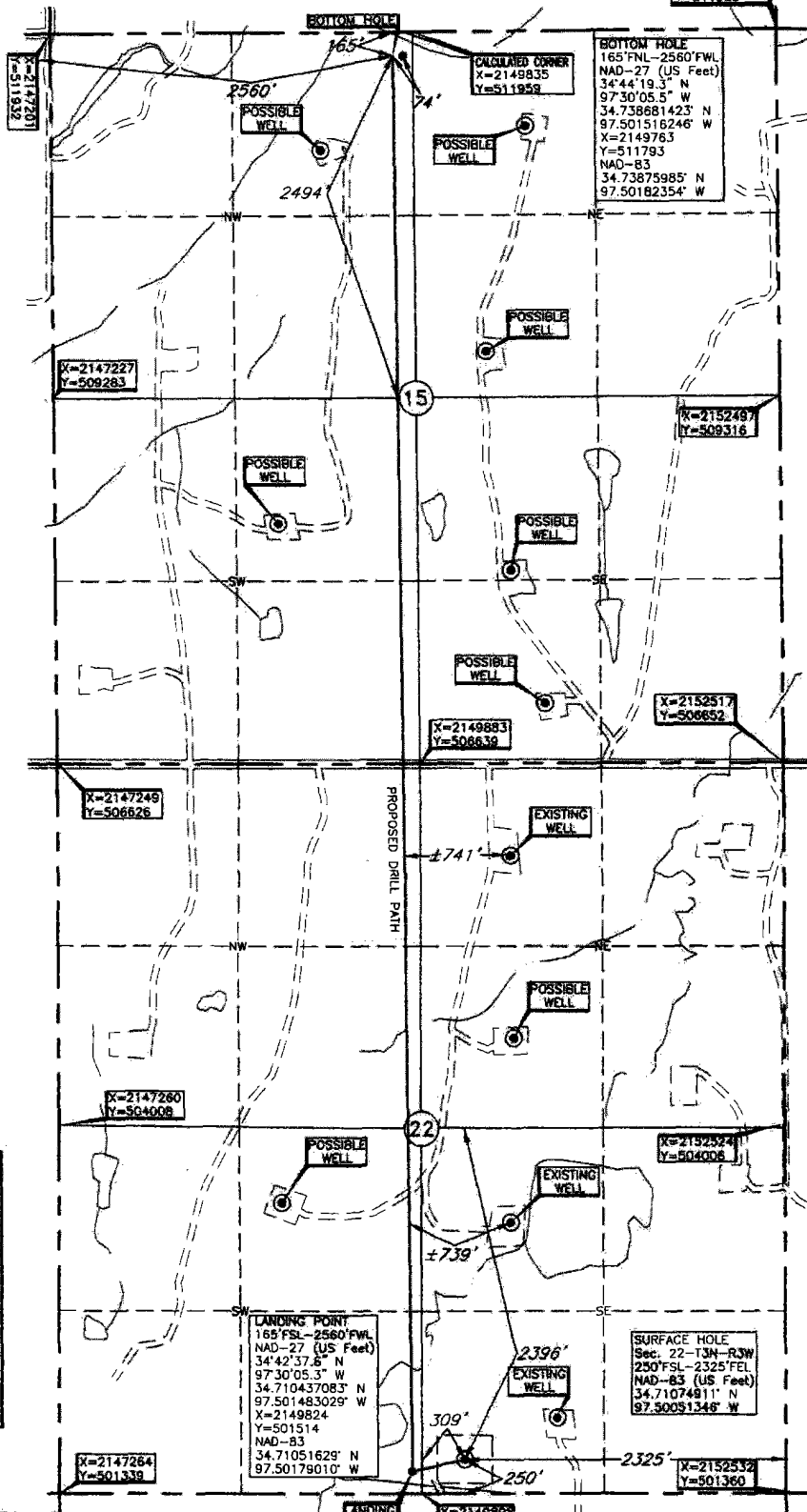
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Office of the Conservation Division as to when Surface Casing will be run.

GARVIN County, Oklahoma  
 250'FSL - 2325'FEL Section 22 Township 3N Range 3W I.M.

CALCULATED CORNER  
 X=2152469  
 Y=511985



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



Operator: RED ROCK OIL & GAS OPERATING, LLC  
 Lease Name: ADAMS  
 Topography & Vegetation loc. fell in brushy pasture, road is ±45 North of WNW-ESE pipeline  
 Good Drill Site? Yes  
 Best Accessibility to Location From East off lease road  
 Distance & Direction From Antioch, OK, go ±4.5 mi. West, then ±1.5 mi. South to lease road. West, then ±1.5 mi. W-NW on lease road to the South line of Sec. 22-T3N-R3W  
 Reference Stakes or Alternate Location Stakes Set None  
 Well No.: 1-22X15H  
 ELEVATION: 1051' Gr. at Stake

BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

DATUM: NAD-27  
 LAT: 34°42'38.4" N  
 LONG: 97°30'00.7" W  
 LAT: 34.710669896° N  
 LONG: 97.500206440° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK SOUTH  
 X: 2150207  
 Y: 501601

Date of Drawing: Oct. 17, 2017  
 Invoice # 281656 Date Staked: Oct. 13, 2017 AC

**CERTIFICATE:**

I, Dan W. Rogers an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

*Dan W. Rogers*  
 Oklahoma Lic. No. 1200

