

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

API NUMBER: 087 22242

Approval Date: 05/24/2019

Expiration Date: 11/24/2020

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 5N Rge: 4W

County: MCCLAIN

SPOT LOCATION: ☐ NE ☐ SE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 900 215

Lease Name: COUGAR

Well No: 1-28

Well will be 1038 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

POTEET FAMILY REV. LIVING TRUST  
PO BOX 729  
LINDSAY OK 73052

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

	Name	Depth	Name	Depth
1	SYCAMORE	9855	6	
2	BOIS D ARC	10300	7	
3	CHIMNEY HILL	10740	8	
4	VIOLA	10996	9	
5	SIMPSON (ABOVE OIL CREEK)	11570	10	

Spacing Orders: 294445  
116853  
290503

Location Exception Orders:

Increased Density Orders: 695264

Pending CD Numbers: 201901275

Special Orders:

Total Depth: 12555

Ground Elevation: 1106

**Surface Casing: 2000**

Depth to base of Treatable Water-Bearing FM: 140

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: DUNCAN

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36465

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

**DIRECTIONAL HOLE 1**

Sec 28 Twp 5N Rge 4W County MCCLAIN

Spot Location of End Point: NE SW NW NW

Feet From: NORTH 1/4 Section Line: 920

Feet From: WEST 1/4 Section Line: 400

Measured Total Depth: 12585

True Vertical Depth: 12555

End Point Location from Lease,

Unit, or Property Line: 400

**Notes:**

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.

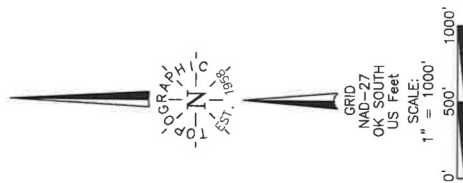
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
DEEP SURFACE CASING	5/14/2019 - 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	5/14/2019 - 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: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a> ; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a>
INCREASED DENSITY - 695264	5/15/2019 - GB1 - W2 NW4 28-5N-4W X290503/294445 SCMR 1 WELL RED ROCKS OIL & GAS OPERATING, LLC 4/26/2019
PENDING CD - 201901275	5/15/2019 - GB1 - (I.O.) W2 NW4 28-5N-4W X116853 BDRC, CMNL, VIOL X290503/294445 SCMR, SPAOC SHL NCT 900' FNL, NCT 175' FEL NE4 29-5N-4W*** POE TO BHL NCT 920' FNL, NCT 400' FWL NO OP. NAMED REC. 3/29/2019 (THOMAS)  *** S/B 900' FNL, 215' FEL; WILL BE CORRECTED AT FINAL HEARING
SPACING - 116853	5/15/2019 - GB1 - (80) N2 28-5N-4W SU NE/SW VAC 20066/87549 HNTN EXT 37171/73659 CMNL EST BDRC, VIOL
SPACING - 290503	5/15/2019 - GB1 - (80) N2 28-5N-4W SU NE/SW VAC 19191 SMPS NE4 VAC 20141 SMPS NW4 EST SCMR EXT OTHER EXT 27823 SPAOC
SPACING - 294445	5/15/2019 - GB1 - NPT PARAGRAPH 8.(4) OF #290503 TO CORRECT LAND DESCRIPTION OF SEC 21

**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**  
 13800 Wireless Way, Okla. City, OK, 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. 1293 LS

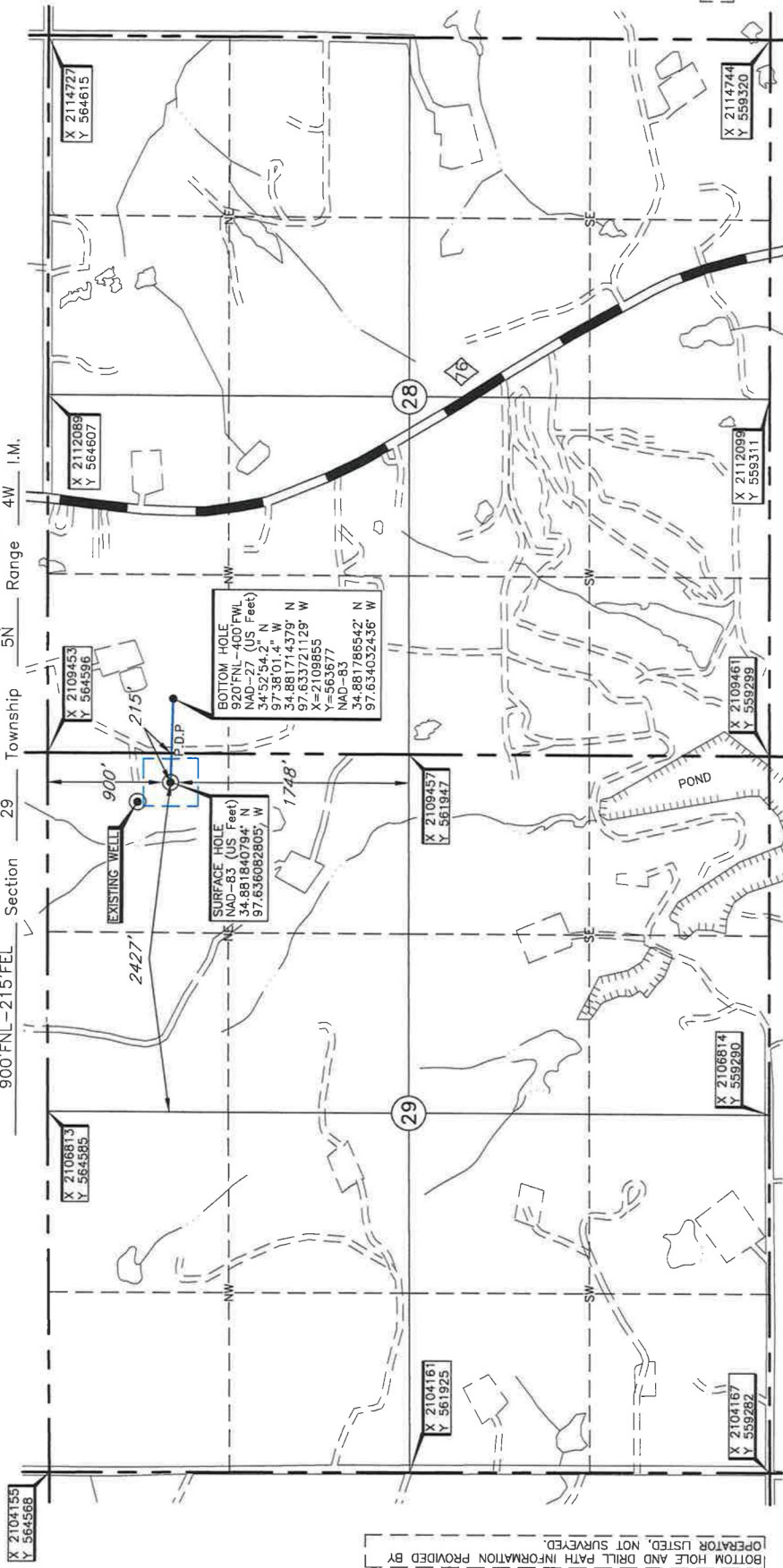
County, Oklahoma  
 McClain

900' FNL-215' FEL Section 29 Township 29 Range 4W I.M.



DATUM: NAD-27  
 LAT: 34°52'54.4"N  
 LONG: 97°38'08.8"W  
 LAT: 34.881768654° N  
 LONG: 97.635771436° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK SOUTH  
 X: 2109240  
 Y: 563695

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY



Revision ☒ B Date Drawn: Feb. 25, 2019  
 Project # 124303 Date Staked: Feb. 20, 2019 LC

**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 L. Howell*  
 Oklahoma Lic. No. 1433

**ELEVATION:**  
 1106' Gr. at Stake (NGVD29)  
 1106' Gr. at Stake (NAVD88)

Operator: RED ROCK OIL & GAS OPERATING, LLC  
 Lease Name: COUGAR  
 Well No.: 1-28  
 Topography & Vegetation Location fell in sloping pasture; ±282' SE of existing well

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

Best Accessibility to Location From East off St. Hwy. 76  
 Distance & Direction From Garvin and McClain County line at St. Hwy. 76, go ±2 miles  
 North, then ±0.25 West to the NE Cor. of Sec. 29-T5N-R4W, follow lease road West