

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

API NUMBER: 051 24238

Approval Date: 12/29/2017
Expiration Date: 06/29/2018

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 5N Rge: 5W County: GRADY
SPOT LOCATION: SE NW NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 450 870

Lease Name: HAMPTON Well No: 4-22 Well will be 450 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

BLACKJACK LAND & CATTLE CO. LLC
3505 COUNTY STREET 2920
BRADLEY OK 73011

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

	Name	Depth	Name	Depth
1	SYCAMORE	10415	6	
2	HUNTON	10725	7	
3	VIOLA	11425	8	
4	BROMIDE	11900	9	
5	MCLISH	12555	10	

Spacing Orders: 663288
145869
54504

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201708259
201708350

Special Orders:

Total Depth: 13100 Ground Elevation: 1014 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 150

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

PIT 1 INFORMATION

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-33623
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

DIRECTIONAL HOLE 1

Sec 22 Twp 5N Rge 5W County GRADY

Spot Location of End Point: C N2 NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 660

Measured Total Depth: 13100

True Vertical Depth: 12800

End Point Location from Lease,

Unit, or Property Line: 330

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.

Notes:

Category	Description
DEEP SURFACE CASING	12/22/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	12/22/2017 - 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 ; 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
PENDING CD - 201708259	12/28/2017 - G75 - (E.O.) NE4 22-5N-5W XOTHER X54504 BRMD X145869 VIOL, MCLS X663288 SCMR, HNTN 1 WELL NO OP. NAMED REC 12-22-2017 (THOMAS)
PENDING CD - 201708350	12/28/2017 - G75 - (E.O.) NE4 22-5N-5W XOTHER X54504 BRMD X145869 VIOL, MCLS X663288 SCMR, HNTN SHL 450' FNL, 870' FEL POE NCT 330' FNL, NCT 660' FEL BHL NCT 330' FNL, NCT 660' FEL NO OP. NAMED REC 12-22-2017 (THOMAS)
SPACING - 145869	12/28/2017 - G75 - (160) 22-5N-5W EST OTHER EXT 109322 VIOL, MCLS EXT OTHER
SPACING - 54504	12/28/2017 - G75 - (160) 22-5N-5W VAC 29404/33145 BRMD EST BRMD
SPACING - 663288	12/28/2017 - G75 - (160) NE4 22-5N-5W EXT 375265 SCMR, HNTN (COEXIST HOR. SP. ORDER # 662769 MSSP, HNTN)

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051 24238 HAMPTON 4-22

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

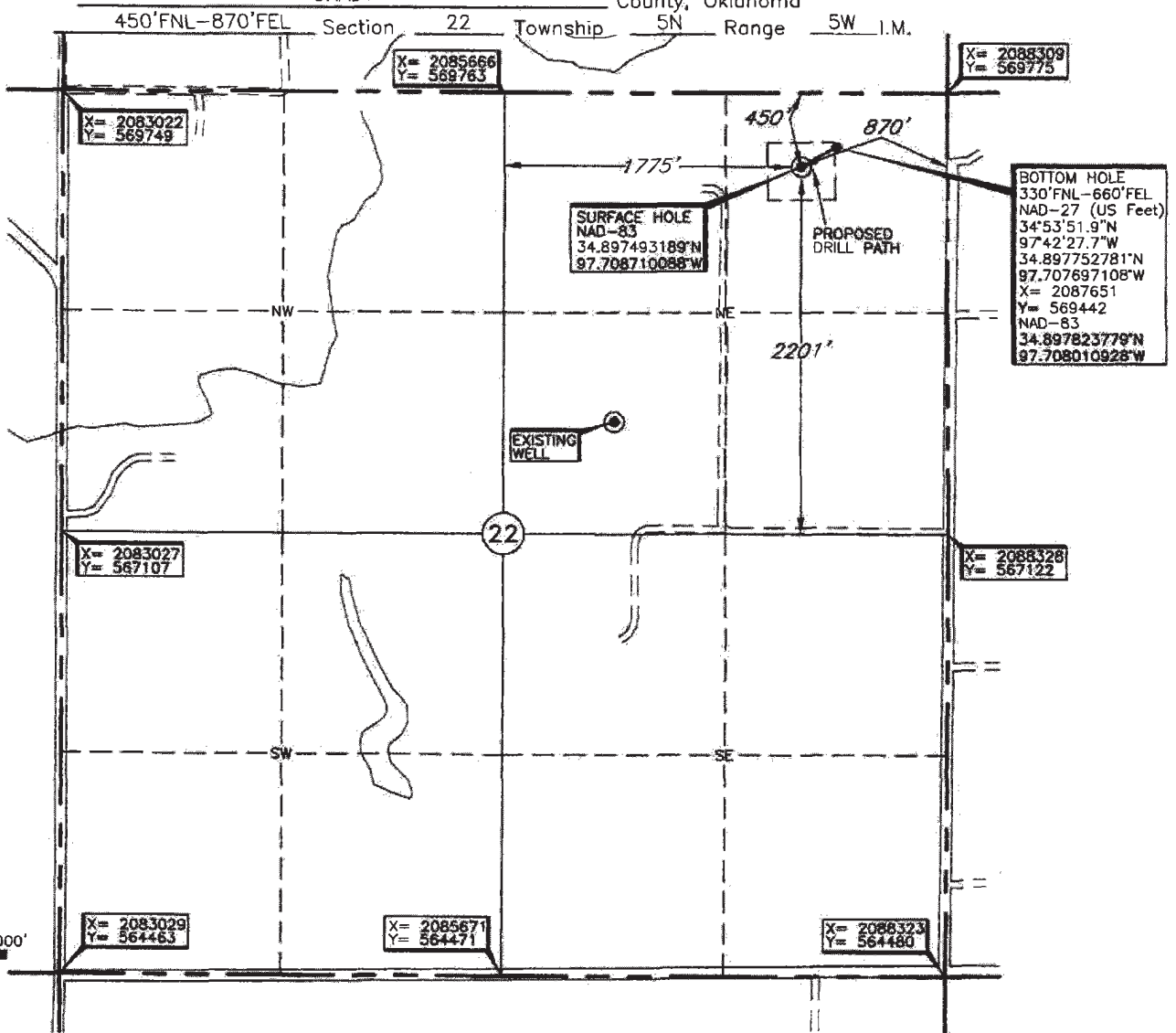
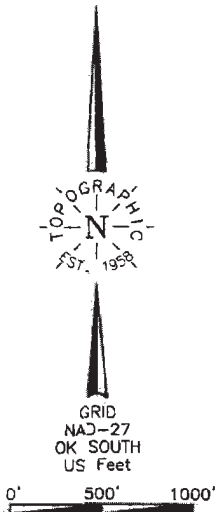
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

API 051-24238

GRADY County, Oklahoma

450' FNL - 870' FEL Section 22 Township 5N Range 5W I.M.

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



Operator: RED ROCK OIL & GAS OPERATING, LLC

Lease Name: HAMPTON

Well No.: 4-22

ELEVATION:
 1014' Gr. at Stake NGVD29
 1014' Gr. at Stake NAVD88

Topography & Vegetation Loc. fell in level plowed field.

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

Best Accessibility to Location From East off county road.
 Distance & Direction
 from Hwy Jct or Town From Bradley, OK, go ±0.25 mi. North, then ±0.15 mi. East,
then ±1 mi. North to the NE Cor. of Sec. 22-T5N-R5W.

Revision A Date of Drawing: Dec. 11, 2017

Invoice # 285314 Date Staked: Dec. 7, 2017 TR

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy

DATUM: NAD-27
 LAT: 34°53'50.7\"/>

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

