

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

API NUMBER: 087 22240 A

Approval Date: 05/16/2019
Expiration Date: 11/16/2020

Directional Hole Oil & Gas

Amend reason: CHANGE TO DIRECTIONAL WELL; CHANGE
TOTAL DEPTH

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 5N Rge: 4W

County: MCCLAIN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 423 417

Lease Name: TOMCAT

Well No: 1-21

Well will be 417 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 REVOCABLE LIVING TRUST
P.O. BOX 729
LINDSAY OK 73052

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

	Name	Depth	Name	Depth
1	SYCAMORE	9370	6	
2	HUNTON	9900	7	
3	VIOLA	10575	8	
4	SIMPSON (ABOVE OIL CREEK)	11215	9	
5			10	

Spacing Orders: 27823
50762
290503
294445

Location Exception Orders:

Increased Density Orders: 695230

Pending CD Numbers:

Special Orders:

Total Depth: 12230

Ground Elevation: 1147

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: 18-35973
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

DIRECTIONAL HOLE 1

Sec 21 Twp 5N Rge 4W County MCCLAIN

Spot Location of End Point: E2 NW SW SW

Feet From: SOUTH 1/4 Section Line: 990

Feet From: WEST 1/4 Section Line: 400

Measured Total Depth: 12230

True Vertical Depth: 12200

End Point Location from Lease,

Unit, or Property Line: 400

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	5/14/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
DIRECTIONAL WELL & PLAT	7/15/2019 - GB1 - WHEN THE ORIGINAL STAKING PLAT WAS DRAFTED THEY FAILED TO PUT THE PROPOSED BHL ON THE PLAT THAT IS 500' NORTH OF THE SHL AFTER DRILLING THE S CURVE, MAKING THE WELL A DIRECTIONAL HOLE INSTEAD OF A VERTICAL PER OPERATOR
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: 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
INCREASED DENSITY - 695230	5/15/2019 - G75 - W2 SW4 21-5N-4W 290503/294445 SCMR 1 WELL RED ROCKS OIL & GAS OP., LLC 4-25-2019
SPACING - 27823	5/15/2019 - G75 - (80) W2 21-5N-4W SU NE/SW EST SPAOC
SPACING - 290503	5/15/2019 - G75 - (160/80) 21-5N-4W SU NE/SW VAC OTHER EXT (80) OTHER EXT (160) OTHER EST (80) SCMR S2 EXT (80) 209148 VIOL W2 SW4
SPACING - 294445	5/15/2019 - G75 - NPT 290503 CORRECTING S2 SE4 21 & N2 28-5N-4W TO E2 SE4 21 & N2 28-5N-4W
SPACING - 50762	5/15/2019 - G75 - (80) W2 SW4 21-5N-4W SU NE/SW VAC 20066 HNTN W2 SW4 EST HNTN
SURFACE CASING	5/14/2019 - G71 - MIN. 400' PER ORDER # 20066

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087 22240 TOMCAT 1-21

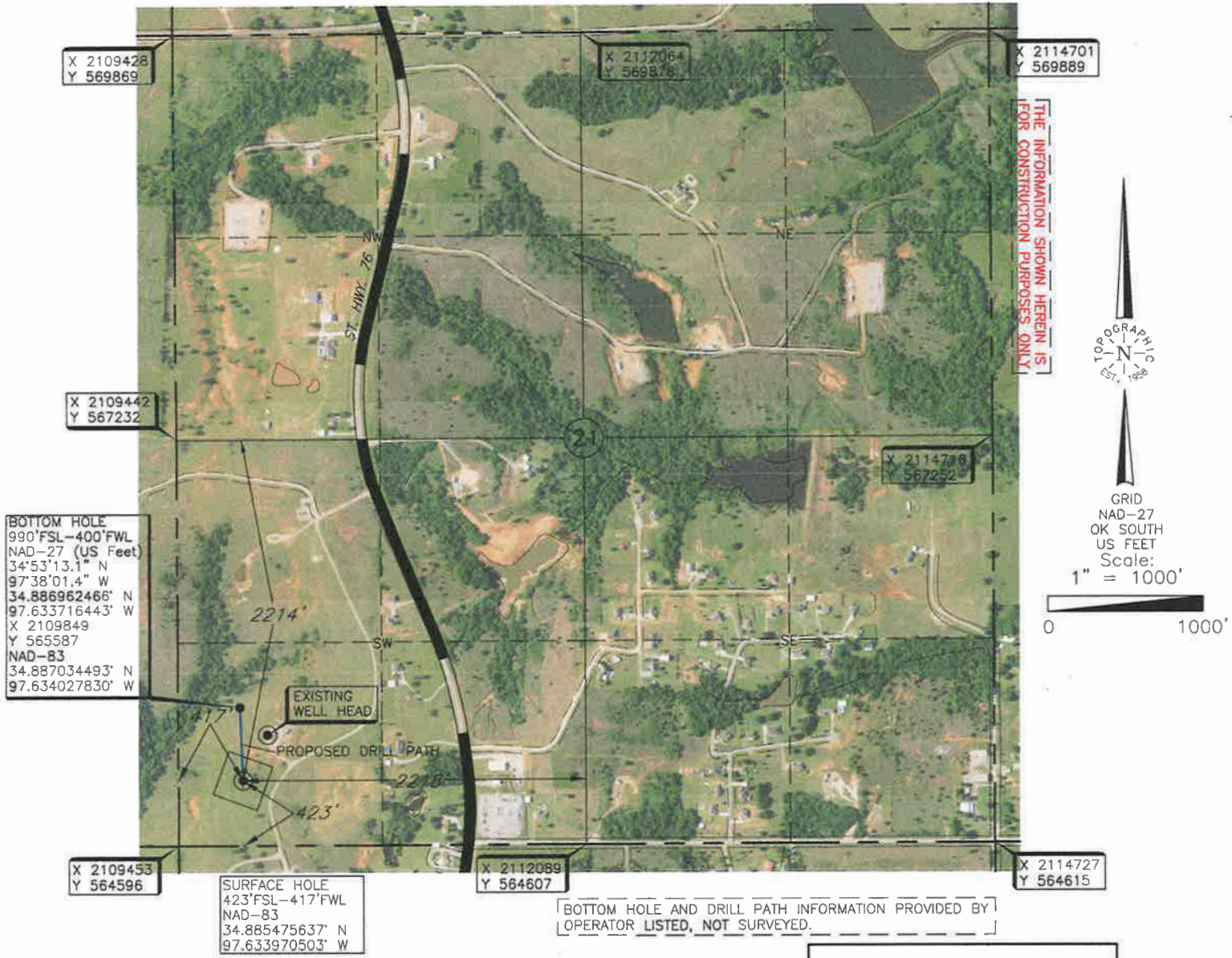
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MCCLAIN

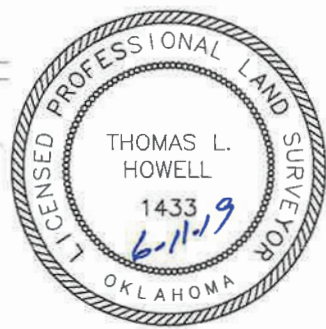
County, Oklahoma

423'FSL-417'FWL Section 21 Township 5N Range 4W I.M.



Operator: RED ROCK OIL & GAS OPERATING, LLC
Lease Name: TOM CAT Well No.: 1-21
Topography & Vegetation Location fell in sloping grass pasture.
Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
Best Accessibility to Location From St. Hwy, 76 east of proposed well location.
Distance & Direction From Hwy Jct or Town From St. Hwy, 76 at the McClain County & Garvin County Line, go north on St. Hwy, 76 ±2.5 miles, then follow lease road SW to the SW Corner of Section 21, T5N-R4W.

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DATE: NAD-27
LAT: 34°53'07.5\"N
LONG: 97°38'01.2\"W
LAT: 34.885403569\"N
LONG: 97.633659141\"W
STATE PLANE COORDINATES (US FEET):
ZONE: OK SOUTH
X: 2109869
Y: 565020
Date of Drawing: Jun. 11, 2019
Project # 127373 Date Staked: Oct. 24, 2018 AC
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 Reg. No. 1433



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

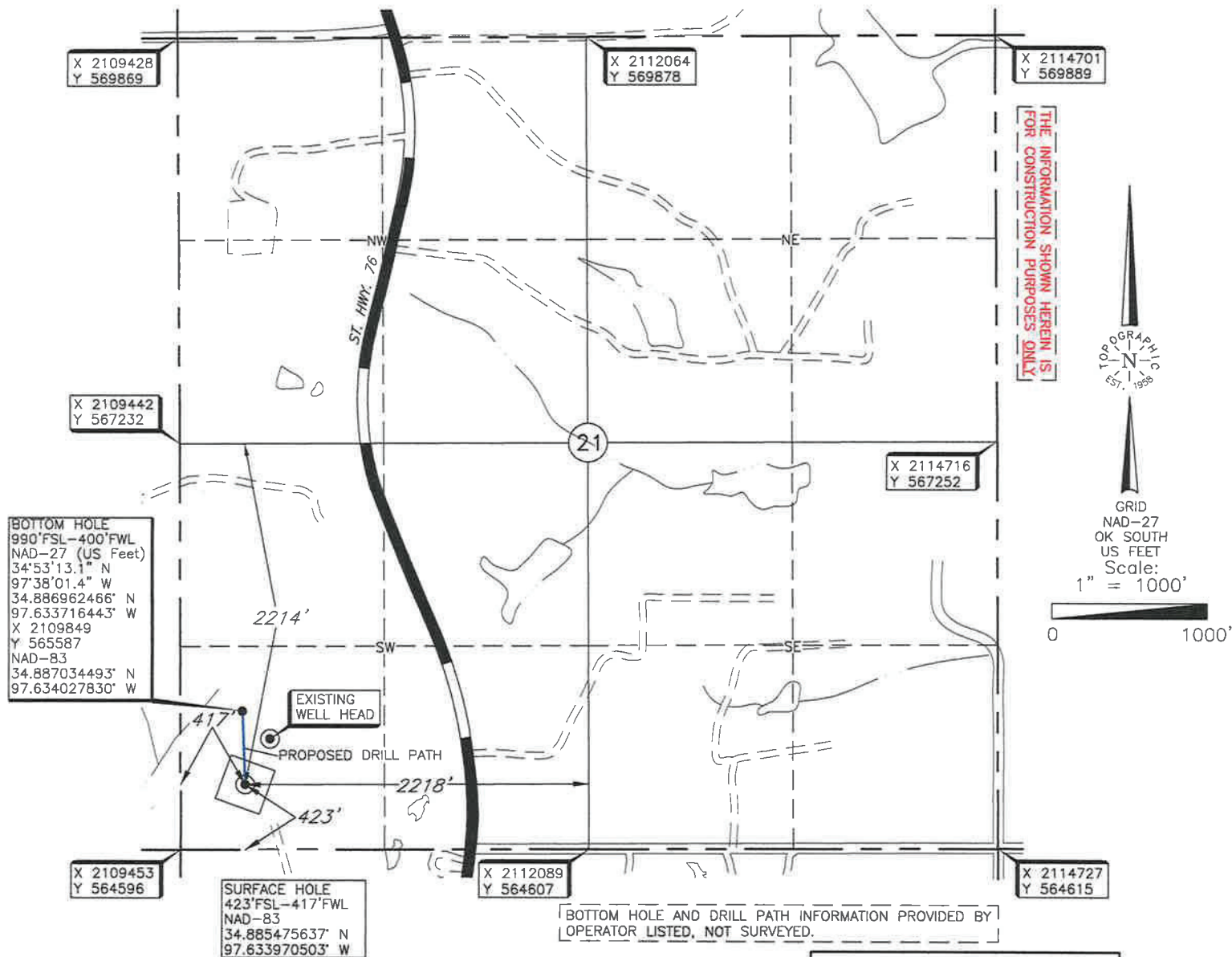
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

MCCLAIN

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

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