

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

API NUMBER: 049 25203

Approval Date: 06/04/2018

Expiration Date: 12/04/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: GARVIN

SPOT LOCATION: ☐ NE ☐ SE ☐ SW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 550 1160

Lease Name: CAMPOLINA

Well No: 1-29-20USH

Well will be 550 feet from nearest unit or lease boundary.

Operator Name: RIMROCK RESOURCE OPERATING LLC

Telephone: 9183014700

OTC/OCC Number: 23802 0

RIMROCK RESOURCE OPERATING LLC
20 E 5TH ST STE 1300
TULSA, OK 74103-4462

BONNIE THOMPSON
20613 WESTERN AVENUE
PURCELL OK 73080

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

Name	Depth	Name	Depth
1 SYCAMORE	13122	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 665590
662776

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803656
201803657
201803658

Special Orders:

Total Depth: 21200

Ground Elevation: 1133

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: DUNCAN

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

PERMIT NO: 18-34563

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: DUNCAN

HORIZONTAL HOLE 1

Sec 20 Twp 4N Rge 4W County GARVIN

Spot Location of End Point: SE SE SW NW

Feet From: NORTH 1/4 Section Line: 2575

Feet From: WEST 1/4 Section Line: 1166

Depth of Deviation: 13086

Radius of Turn: 750

Direction: 1

Total Length: 6936

Measured Total Depth: 21200

True Vertical Depth: 13122

End Point Location from Lease,
Unit, or Property Line: 1166

Notes:

Category

Description

DEEP SURFACE CASING

5/23/2018 - 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

5/23/2018 - 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; 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

MEMO

5/23/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201803656

5/31/2018 - G75 - (I.O.) 29 & 20-4N-4W
EST MULTIUNIT HORIZONTAL WELL
X662776 SCMR 29-4N-4W
X665590 SCMR 20-4N-4W
66% 29-4N-4W
34% 20-4N-4W
NO OP. NAMED
REC 5-29-2018 (JOHNSON)

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

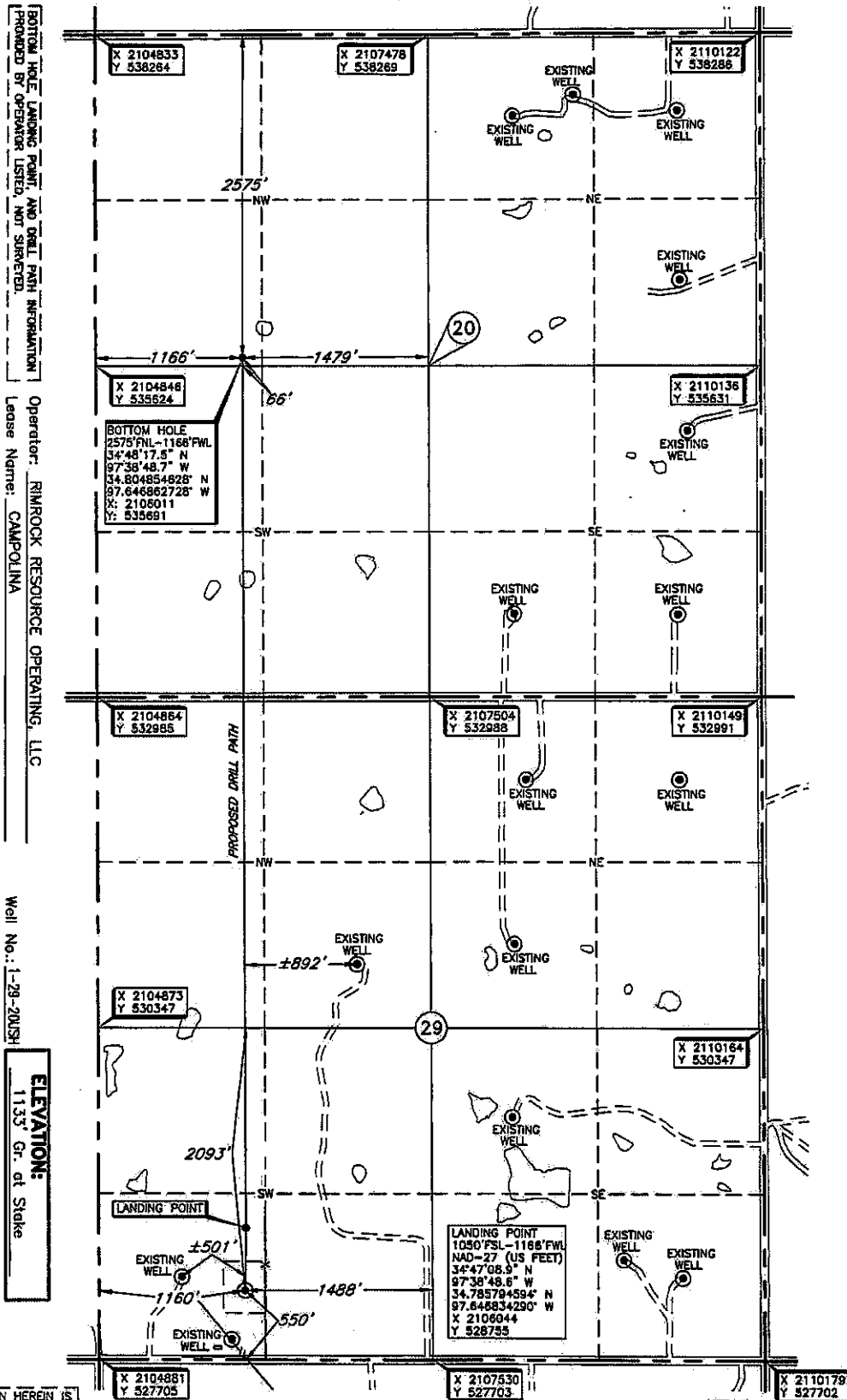
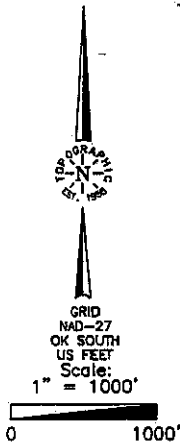
049 25203 CAMPOLINA 1-29-20USH

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 - 201803657	5/31/2018 - G75 - (I.O.) 29 & 20-4N-4W X662776 SCMR 29-4N-4W X665590 SCMR 20-4N-4W COMPL. INT. (29-4N-4W) NCT 660' FSL, NCT 0' FNL, NCT 660' FWL COMPL. INT. (20-4N-4W) NCT 0' FSL, NCT 2640' FNL, NCT 660' FWL NO OP. NAMED REC 5-29-2018 (JOHNSON)
PENDING CD - 201803658	5/31/2018 - G75 - 29-4N-4W X662776 SCMR 1 WELL NO OP. NAMED HEARING 6-1-2018
SPACING - 662776	5/31/2018 - G75 - (640)(HOR) 29-4N-4W EST SCMR, OTHERS POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 294223 SCMR)
SPACING - 665590	5/31/2018 - G75 - (640)(HOR) 20-4N-4W EXT OTHER EST SCMR, OTHER COMPL. INT. NLT 660' FB (COEXIST SP. ORDER # 294223 SCMR)

GARVIN County, Oklahoma
550' FSL - 1160' FWL Section 29 Township 4N Range 4W I.M.



Operator: RIMROCK RESOURCE OPERATING, LLC
Lease Name: CAMPOLINA
Topography & Vegetation Loc. fell in pasture on pod under construction, $\pm 483'$ NE of house, $\pm 512'$ SE of well and $\pm 403'$ NE of water well.
Good Drill Site? Yes
Best Accessibility to Location From county road South of well location.
Distance & Direction From Hwy 19 or Town From Jct. of St. Hwy. 76 and St. Hwy. 19, go ± 4.0 mi. South, then ± 3.0 mi. West to the SW Cor. of Sec. 29-T4N-R4W.
Reference Stakes None
Well No.: 1-29-20US
ELEVATION: 1133' Gr. at Stake

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.
DATUM: NAD-27
LAT: $34^{\circ}47'03.9''$ N
LONG: $97^{\circ}38'48.7''$ W
LAT: $34^{\circ}47'08.9''$ N
LONG: $97^{\circ}38'48.6''$ W
STATE PLANE COORDINATES (US FEET):
ZONE: OK SOUTH
X: 2106039
Y: 528255

Invoice # 293964 Date of Drawing: May 21, 2018
Date Staked: May 14, 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 Lic. No. 1433

