

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

API NUMBER: 031 21644

Approval Date: 02/20/2019

Expiration Date: 08/20/2020

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 3N Rge: 9W

County: COMANCHE

SPOT LOCATION:

S2

NW

SW

NW

FEET FROM QUARTER: FROM

NORTH

FROM

WEST

SECTION LINES:

1730

330

Lease Name: HILLTOP

Well No: 1-27

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: REDLAND RESOURCES LLC

Telephone: 4057897104

OTC/OCC Number: 18774 0

REDLAND RESOURCES LLC

6001 NW 23RD ST

OKLAHOMA CITY, OK 73127-1253

ERIC AND CRYSTAL WEATHERLY

PO BOX 655

STERLING OK 73567

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

	Name	Depth		Name	Depth
1	PERMIAN	2500	6	BRISCOE LOW	7300
2	HIX	5105	7	WADE	7630
3	ROWE	6185	8	DYER /OKLA/	7880
4	HOXBAR	7040	9		
5	BRISCOE UP	7130	10		

Spacing Orders: 64677
67514
221230
346082
68388

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201809414

Special Orders:

Total Depth: 8200

Ground Elevation: 1213

Surface Casing: 370

Depth to base of Treatable Water-Bearing FM: 320

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: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is NON HSA

Pit Location Formation: EL RENO

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
FORMATION	2/14/2019 - GB1 - REMOVED GRIFFIN AND UPPER COLINE PER PHONE CALL WITH OPERATOR; NOMENCLATURE ISSUE COLINE=GRIFFIN
FORMATION	2/19/2019 - GB1 - REMOVED BOOTH PER EMAIL WITH OPR; DUE TO NOMENCLATURE BOOTH = HIX
HYDRAULIC FRACTURING	1/2/2019 - 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
PENDING CD - 201809414	2/15/2019 - GB1 - (I.O.) W2 27-3N-9W X64677 ROWE, OTHERS X67514 HIX X22130 HXBR, OTHER X346082 PRMN SHL NCT 1730' FNL, NCT 330' FWL W2 27-3N-9W NO OP. NAMED REC. 12/31/2018 (P. PORTER)
SPACING	2/15/2019 - GB1 - BRSCU, BRACL, WADE, & DYER UNSPACED, 320-ACRE LEASE W2
SPACING - 221230	2/14/2019 - GB1 - (320) 27-3N-9W SU NE/SW VAC OTHER EST OTHER EXT 205165 HXBR W2 27-3N-9W
SPACING - 346082	2/14/2019 - GB1 - (320) W2 27-3N-9W SU NE/SW EST PRMN, OTHER
SPACING - 64677	2/14/2019 - GB1 - (320) 27-3N-9W SU SLOT (1967) NE/SW (1971) EST ROWE, OTHERS
SPACING - 67514	2/14/2019 - GB1 - (320) 27-3N-9W SU SLOT (1967) NE/SW (1971) EXT 66156 HIX
SPACING - 68388	2/19/2019 - GB1 - (320) 27-3N-9W SU SLOT (1967) NE/SW (1971) VAC SP ORDER 47047 BOOTH NW4 CONFIRM SP ORDER 67514 HIX SAND (BOOTH AND HIX SAND ARE EQUIVALENT)

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

031 21644 HILLTOP 1-27

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.