

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

API NUMBER: 051 24226

Approval Date: 11/21/2017

Expiration Date: 05/21/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 7N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ SE ☐ NW ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 450 2300

Lease Name: LILLIAN

Well No: 1-23-14XH

Well will be 450 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC

Telephone: 4052349020; 4052349

OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 269000
OKLAHOMA CITY, OK 73126-9000

WILMA P. ODEM, LIFE ESTATE
661 CR. 1300
CHICKASHA OK 73018

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10837	6	
2	WOODFORD	11157	7	
3	HUNTON	11307	8	
4			9	
5			10	

Spacing Orders: 658366
630876

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201705965
201705964

Special Orders:

Total Depth: 21053

Ground Elevation: 1203

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 470

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2000

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 17-33362

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: ON SITE

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: 3

Liner required for Category: 3

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 14 Twp 7N Rge 5W County GRADY

Spot Location of End Point: N2 NE NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1650

Depth of Deviation: 10775

Radius of Turn: 383

Direction: 7

Total Length: 9677

Measured Total Depth: 21053

True Vertical Depth: 11375

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

11/14/2017 - 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

11/14/2017 - 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

MEMO

11/14/2017 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 1 – CUTTINGS WILL BE SOIL FARMED, PIT 2 – OBM RETURNED TO VENDOR, CUTTINGS WILL BE HAULED TO PAULS VALLEY LANDFILL (GARVIN) 3525009 OR SOUTHERN PLAINS LANDFILL (GRADY) 3526013

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051 24226 LILLIAN 1-23-14XH

Category	Description
PENDING CD - 201705964	11/21/2017 - G57 - (I.O.) 23 & 14-7N-5W EST MULTIUNIT HORIZONTAL WELL X630876 MSSP, WDFD, HNTN 23-7N-5W X658366 MSSP, WDFD, HNTN 14-7N-5W (MSSP & HNTN ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 50% 23-7N-5W 50% 14-7N-5W CONTINENTAL RESOURCES, INC. REC 10/03/2017 (NORRIS)
PENDING CD - 201705965	11/21/2017 - G57 - (I.O.) 23 & 14-7N-5W X630876 MSSP, WDFD, HNTN 23-7N-5W X658366 MSSP, WDFD, HNTN 14-7N-5W SHL NW4 NE4 26-7N-5W COMPL. INT. (23-7N-5W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (14-7N-5W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FEL CONTINENTAL RESOURCES, INC. REC 10/03/2017 (NORRIS)
SPACING - 630876	11/21/2017 - G57 - (640) 23-7N-5W VAC OTHER EXT OTHERS EXT 188337 MSSP EXT 607551 WDFD, HNTN EST OTHERS
SPACING - 658366	11/21/2017 - G57 - (640)(HOR) 14-7N-5W VAC 98014 MSRH EXT 621907 MSSP, WDFD, HNTN COMPL. INT. NLT 660' MSSP, HNTN COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL WDFD
WATERSHED STRUCTURE	11/14/2017 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 224-0523 PRIOR TO DRILLING

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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.



Well Location Plat

Operator : CONTINENTAL RESOURCES, INC.

API: 051 24226

EXHIBIT "A"
S.H.L. Sec. 26-7N-5W I.M.
B.H.L. Sec. 14-7N-5W I.M.
GRADY COUNTY
(SHEET 1 OF 3)

NAD 83

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	638601	2056502	0.0			3/8" IR NWc 14-7N-5W	
21	633330	2056512	0.0			BRASS CAP NWc 23-7N-5W	
22	628023	2056513	0.0			3/8" IR NWc 26-7N-5W	
23	622742	2056532	0.0			IR SWc 26-7N-5W	
24	638632	2061777	0.0			1/2" IR NEc 14-7N-5W	
25	633351	2061811	0.0			1/2" IR NEc 23-7N-5W	
26	628057	2061807	0.0			1/2" IR NEc 26-7N-5W	
27	622760	2061837	0.0			PK NAIL SEc 26-7N-5W	
50	637683	2061234	0.0	LAT:35°05'06.58"N LON:97°41'24.16"W	LAT:35.08516225 LON:-97.69004329	AC - KAISER FRANCIS NIXON 1-14 OCC STATUS: PA, TVD: 10450'	
51	636642	2059808	0.0	LAT:35°04'56.32"N LON:97°41'41.35"W	LAT:35.08231140 LON:-97.69481910	AC - JANUARY INVESTMENTS SPROWLS 1 OCC STATUS: PA, TVD: 11763'	
52	636528	2061131	0.0	LAT:35°04'55.16"N LON:97°41'25.44"W	LAT:35.08198831 LON:-97.69039896	AC - KAISER FRANCIS SPROWLS 5-14 OCC STATUS: EX, TVD: -	
53	637958	2059144	0.0	LAT:35°05'09.36"N LON:97°41'49.29"W	LAT:35.08593464 LON:-97.69702638	AC - KAISER FRANCIS SPROWLS 2-14 OCC STATUS: AC, TVD: 10550'	
54	637852	2057824	0.0	LAT:35°05'08.35"N LON:97°42'05.18"W	LAT:35.08565297 LON:-97.70143886	AC - KAISER FRANCIS SPROWLS 3-14 OCC STATUS: AC, TVD: 10550'	
55	636635	2058486	0.0	LAT:35°04'56.30"N LON:97°41'57.26"W	LAT:35.08230454 LON:-97.69923781	AC - KAISER FRANCIS SPROWLS 6-14 OCC STATUS: AC, TVD: 10550'	
56	632025	2060490	0.0	LAT:35°04'10.64"N LON:97°41'33.31"W	LAT:35.06962333 LON:-97.69258503	AC - EXXONMOBIL R A STEWART UNIT 1 OCC STATUS: PA, TVD: 10408'	
57	624066	2057847	0.0	LAT:35°02'52.00"N LON:97°42'05.39"W	LAT:35.04777791 LON:-97.70149694	AC - OTC/OCC NA WATKINS 1-26 OCC STATUS: PA, TVD: 10610'	
100	627592	2059510	1200.8	LAT:35°03'26.83"N LON:97°41'45.26"W	LAT:35.05745152 LON:-97.69590692	A. LILLIAN #1-23-14XH 450' FNL - 2300' FEL	1202.9
200	628076	2060157	0.0	LAT:35°03'31.59"N LON:97°41'37.46"W	LAT:35.05877620 LON:-97.69373866	A. HEEL SLOT 30' FSL - 1650' FEL	
300	638572	2060127	0.0	LAT:35°05'15.41"N LON:97°41'37.43"W	LAT:35.08761297 LON:-97.69373173	A. BOTTOM HOLE LOCATION 50' FNL - 1650' FEL	

survey and plat by,

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2018

Invoice #4948

Date Staked : 05/04/17 By : C.K.

Date Drawn : 05/22/17 By : J.H.



Well Location Plat

Operator : CONTINENTAL RESOURCES, INC.

EXHIBIT "A"
S.H.L. Sec. 26-7N-5W I.M.
B.H.L. Sec. 14-7N-5W I.M.
GRADY COUNTY
(SHEET 2 OF 3)

NAD 27

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	638559	2088099	0.0			3/8" IR NWc 14-7N-5W	
21	633288	2088108	0.0			BRASS CAP NWc 23-7N-5W	
22	627981	2088109	0.0			3/8" IR NWc 26-7N-5W	
23	622700	2088129	0.0			IR SWc 26-7N-5W	
24	638589	2093374	0.0			1/2" IR NEc 14-7N-5W	
25	633308	2093408	0.0			1/2" IR NEc 23-7N-5W	
26	628015	2093404	0.0			1/2" IR NEc 26-7N-5W	
27	622717	2093433	0.0			PK NAIL SEc 26-7N-5W	
50	637641	2092830	0.0	LAT:35°05'06.34"N LON:97°41'23.02"W	LAT:35.08509527 LON:-97.68972725	AC - KAISER FRANCIS NIXON 1-14 OCC STATUS: PA, TVD: 10450'	
51	636599	2091405	0.0	LAT:35°04'56.08"N LON:97°41'40.21"W	LAT:35.08224441 LON:-97.69450294	AC - JANUARY INVESTMENTS SPROWLS 1 OCC STATUS: PA, TVD: 11763'	
52	636486	2092728	0.0	LAT:35°04'54.92"N LON:97°41'24.30"W	LAT:35.08192128 LON:-97.69008295	AC - KAISER FRANCIS SPROWLS 5-14 OCC STATUS: EX, TVD: -	
53	637916	2090740	0.0	LAT:35°05'09.12"N LON:97°41'48.16"W	LAT:35.08586774 LON:-97.69671011	AC - KAISER FRANCIS SPROWLS 2-14 OCC STATUS: AC, TVD: 10550'	
54	637810	2089421	0.0	LAT:35°05'08.11"N LON:97°42'04.04"W	LAT:35.08558610 LON:-97.70112245	AC - KAISER FRANCIS SPROWLS 3-14 OCC STATUS: AC, TVD: 10550'	
55	636593	2090083	0.0	LAT:35°04'56.06"N LON:97°41'56.12"W	LAT:35.08223759 LON:-97.69892151	AC - KAISER FRANCIS SPROWLS 6-14 OCC STATUS: AC, TVD: 10550'	
56	631983	2092087	0.0	LAT:35°04'10.40"N LON:97°41'32.17"W	LAT:35.06955608 LON:-97.69226910	AC - EXXONMOBIL R A STEWART UNIT 1 OCC STATUS: PA, TVD: 10408'	
57	624024	2089444	0.0	LAT:35°02'51.76"N LON:97°42'04.25"W	LAT:35.04771033 LON:-97.70118099	AC - OTC/OCC NA WATKINS 1-26 OCC STATUS: PA, TVD: 10610'	
100	627550	2091106	1200.8	LAT:35°03'26.58"N LON:97°41'44.13"W	LAT:35.05738407 LON:-97.69559103	A. LILLIAN #1-23-14XH 450' FNL - 2300' FEL	1202.9
200	628034	2091754	0.0	LAT:35°03'31.35"N LON:97°41'36.32"W	LAT:35.05870876 LON:-97.69342283	A. HEEL SLOT 30' FSL - 1650' FEL	
300	638530	2091724	0.0	LAT:35°05'15.17"N LON:97°41'36.30"W	LAT:35.08754607 LON:-97.69341554	A. BOTTOM HOLE LOCATION 50' FNL - 1650' FEL	

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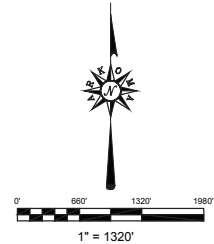
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GRADY COUNTY
(SHEET 3 OF 3)



Quartern Section distances may be assumed from a Government Survey Plat or assumed at a proportional distance from opposing section corners, or occupation thereof, and may not have been surveyed by a Licensed Professional Land Surveyor. The boundary survey, NOTE: X and Y was ground-surveyed, and the section corner was NOT surveyed by a Licensed Professional Land Surveyor, and further, does NOT represent a true Boundary Survey; Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed.

Ground-Surveyed and Mapping promptly if any inconsistency is determined.

GPS data is derived from RTK - GPS.


 05/23/17
 LANCE G. MATHIS OK LPLS 1664

