

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

API NUMBER: 051 24526

Approval Date: 11/26/2018

Expiration Date: 05/26/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 7N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ NE ☐ SE ☐ SE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 2280 2388

Lease Name: NANCY J

Well No: 3-33-28-21XHS

Well will be 2280 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 269091
OKLAHOMA CITY, OK 73126-9000

NICKEY & JEAN MARLENE CROSKEY
1565 HWY. 62
CHICKASHA OK 73018

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

Name	Depth	Name	Depth
1 SPRINGER	12490	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 160624
172459

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201809004
201809007
201809002
201809003
201808871

Special Orders:

Total Depth: 25339

Ground Elevation: 1068

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 620

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: 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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 18-35735

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 21 Twp 7N Rge 6W County GRADY

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2420

Depth of Deviation: 12316

Radius of Turn: 477

Direction: 5

Total Length: 12274

Measured Total Depth: 25339

True Vertical Depth: 12490

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

Notes:

Category

Description

DEEP SURFACE CASING

11/6/2018 - 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

11/6/2018 - 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

11/6/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201808871

11/26/2018 - G75 - 21-7N-6W
X172459 SPRG
4 WELLS
NO OP. NAMED
REC 11-19-2018 (MINMIER)

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.

051 24526 NANCY J 3-33-28-21XHS

Category	Description
PENDING CD - 201809002	11/26/2018 - G75 - 33-7N-6W X160624 SPRG 4 WELLS NO OP. NAMED REC 11-19-2018 (MINMIER)
PENDING CD - 201809003	11/26/2018 - G75 - 28-7N-6W X160624 SPRG 2 WELLS NO OP. NAMED REC 11-19-2018 (MINMIER)
PENDING CD - 201809004	11/26/2018 - G75 - (I.O.) 33, 28 & 21-7N-6W EST MULTIUNIT HORIZONTAL WELL X160624 SPRG 33 & 28-7N-6W X172459 SPRG 21-7N-6W 18% 33-7N-6W 41% 28-7N-6W 41% 21-7N-6W CONTINENTAL RESOURCES, INC. REC 11-19-2018 (MINMIER)
PENDING CD - 201809007	11/26/2018 - G75 - (I.O.) 33, 28 & 21-7N-6W X160624 SPRG 33 & 28-7N-6W X172459 SPRG 21-7N-6W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (33-7N-6W) NCT 1320' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (28-7N-6W) NCT 0' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (21-7N-6W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FEL CONTINENTAL RESOURCES, INC. REC 11-19-2018 (MINMIER)
SPACING - 160624	11/26/2018 - G75 - (640) 28 & 33-7N-6W EXT 123130/155263 SPRG, OTHERS
SPACING - 172459	11/26/2018 - G75 - (640) 21-7N-6W VAC OTHERS EXT OTHERS EXT 75509/164772 SPRG, OTHER

EXHIBIT: A (1 of 4)
SHEET: 8.5x11
SHL: 33-7N-6W
BHL-N3 21-7N-6W
BHL-J3 9-6N-6W



API 051-24526

COVER SHEET

CONTINENTAL RESOURCES, INC.

P.O. BOX 26900 OKLAHOMA CITY, OK 73126 * (T) 1-800-256-8955 (F) 405-234-9253

Section 33 Township 7N Range 6W I.M.

Well: NANCY J 3-33-28-21XHS

County GRADY State OK

Well: JANTZ FAMILY 3-33-4-9XHS

Operator CONTINENTAL RESOURCES, INC.

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE				
N3	NANCY J 3-33-28-21XHS	620347	2016762	35° 02' 16.14" -97° 50' 19.61"	35.037815 -97.838780	2280' FNL / 2388' FWL (NW/4 SEC 33)	1067.18'	1067.91'
LP-N3	LANDING POINT	620348	2017233	35° 02' 16.14" -97° 50' 13.94"	35.037816 -97.837207	2280' FNL / 2420' FEL (NE/4 SEC 33)	--	--
BHL-N3	BOTTOM HOLE LOCATION	633136	2017215	35° 04' 22.63" -97° 50' 13.91"	35.072952 -97.837196	50' FNL / 2420' FEL (NE/4 SEC 21)	--	--
J3	JANTZ FAMILY 3-33-4-9XHS	620317	2016762	35° 02' 15.84" -97° 50' 19.61"	35.037733 -97.83781	2310' FNL / 2388' FWL (NW/4 SEC 33)	1067.17'	1067.91'
LP-J3	LANDING POINT	620318	2017233	35° 02' 15.84" -97° 50' 13.95"	35.037734 -97.837207	2310' FNL / 2420' FEL (NE/4 SEC 33)	--	--
BHL-J3	BOTTOM HOLE LOCATION	610832	2017242	35° 00' 42.02" -97° 50' 14.02"	35.011671 -97.837227	1200' FNL / 2420' FEL (NE/4 SEC 09)	--	--
X-1	CORLEY #1-21H	628113	2015151	35° 03' 33.88" -97° 50' 38.84"	35.059159 -97.844122	21-7N-6W:SW4SE4SW4SW4 TD: 18,392' 210' FSL / 790' FWL	--	--
X-2	K.L. FULTON #1-21H	628211	2018850	35° 03' 33.88" -97° 49' 54.33"	35.059412 -97.831760	21-7N-6W:SE4SW4SE4SE4 TD: 16,890' 300' FSL / 780' FEL	--	--
X-3	RAMSEY TRUST #2-16-9-4XHS	632942	2014554	35° 04' 20.75" -97° 50' 45.93"	35.072430 -97.846092	21-7N-6W:NW4NW4NW4NW4 TD: 25,334' 238' FSL / 202' FWL	--	--
X-4	RILEY #1-28H	623023	2015391	35° 02' 42.63" -97° 50' 36.05"	35.045176 -97.843346	28-7N-6W:NE4SE4SW4SW4 TD: 18,795' 400' FSL / 1,010' FWL	--	--
X-5	LUCKY PENNY #1-33H	617363	2017376	35° 01' 46.61" -97° 50' 12.28"	35.029615 -97.836743	33-7N-6W:SE4SW4SW4SE4 TD: 18,672' 10' FSL / 2,275' FEL	--	--
X-6	JANTZ FAMILY #1-33H	617531	2019291	35° 01' 48.25" -97° 49' 49.24"	35.030068 -97.830346	33-7N-6W:SW4SE4SE4SE4 TD: 17,547' 175' FSL / 360' FEL	--	--
X-7	STANDRIDGE-HENDRIX #1	615007	2016348	35° 01' 23.33" -97° 50' 24.69"	35.023146 -97.840191	4-6N-6W:SE4NW4 TD: 12,980' 2,970' FSL / 1,980' FWL	--	--
X-8	WALTERS WEST #1-34H	617151	2019237	35° 01' 44.49" -97° 49' 49.91"	35.029024 -97.830531	4-6N-6W:NW4NE4NE4NE4 TD: 17,783' 205' FNL / 415' FEL	--	--
X-9	S.S. STANDRIDGE #1-4H	612360	2018624	35° 01' 57.11" -97° 49' 57.37"	35.015863 -97.832604	4-6N-6W:SW4SE4SE4SE4 TD: 17,822' 325' FSL / 1,035' FEL	--	--
X-10	HILL #9-1	609381	2015695	35° 00' 27.69" -97° 50' 32.64"	35.007691 -97.842400	9-6N-6W:W2 TD: 12,870' 2,640' FSL / 1,320' FWL	--	--
X-11	GILL #1-4H	611659	2015774	35° 00' 50.22" -97° 50' 31.65"	35.013950 -97.842126	9-6N-6W:SW4NW4NE4NW4 TD: 19,380' 370' FNL / 1,400' FWL	--	--
X-12	SPRAY #1-9H	607006	2017891	35° 00' 04.17" -97° 50' 06.29"	35.001158 -97.835081	9-6N-6W:SW4SE4SW4SE4 TD: 19,025' 275' FSL / 1,780' FEL	--	--

Certificate of Authorization No. 7318

Date Staked: 10-17-18
Date Drawn: 10-11-18



Prepared By:
Petro Land Services South
10400 Vineyard Blvd.
Suite C
Oklahoma City, OK 73120

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	10-11-18	MJL	ISSUED FOR APPROVAL	--
01	10-17-18	TJW	REV'D NAME AND LP	REV'D ALL EXHIBIT'S

EXHIBIT: A (2 of 4)
SHEET: 8.5x11
SHL: 33-7N-6W
BHL-N3 21-7N-6W
BHL-J3 9-6N-6W



COVER SHEET

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Well: JANTZ FAMILY 3-33-4-9XHS

Operator CONTINENTAL RESOURCES, INC.

NAD-27								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
N3	NANCY J 3-33-28-21XHS	620305	2048359	35° 02' 15.90" -97° 50' 18.46"	35.037749 -97.838461	2280' FNL / 2388' FWL (NW/4 SEC 33)	1067.18'	1067.91'
LP-N3	LANDING POINT	620306	2048829	35° 02' 15.90" -97° 50' 12.79"	35.037750 -97.836887	2280' FNL / 2420' FEL (NE/4 SEC 33)	--	--
BHL-N3	BOTTOM HOLE LOCATION	633094	2048812	35° 04' 22.39" -97° 50' 12.75"	35.072886 -97.836876	50' FNL / 2420' FEL (NE/4 SEC 21)	--	--
J3	JANTZ FAMILY 3-33-4-9XHS	620275	2048358	35° 02' 15.60" -97° 50' 18.46"	35.037666 -97.838461	2310' FNL / 2388' FWL (NW/4 SEC 33)	1067.17'	1067.91'
LP-J3	LANDING POINT	620276	2048829	35° 02' 15.60" -97° 50' 12.80"	35.037667 -97.836888	2310' FNL / 2420' FEL (NE/4 SEC 33)	--	--
BHL-J3	BOTTOM HOLE LOCATION	610790	2048839	35° 00' 41.78" -97° 50' 12.87"	35.011605 -97.836908	1200' FNL / 2420' FEL (NE/4 SEC 09)	--	--
X-1	CORLEY #1-21H	628071	2046747	35° 03' 32.74" -97° 50' 37.69"	35.059093 -97.843802	21-7N-6W:SW4SE4SW4SW4 TD: 18,392' 210' FSL / 790' FWL	--	--
X-2	K.L. FULTON #1-21H	628169	2050447	35° 03' 33.65" -97° 49' 53.18"	35.059346 -97.831440	21-7N-6W:SE4SW4SE4SE4 TD: 16,890' 300' FSL / 780' FEL	--	--
X-3	RAMSEY TRUST #2-16-9-4XHS	632900	2046150	35° 04' 20.51" -97° 50' 44.78"	35.072365 -97.845772	21-7N-6W:NW4NW4NW4NW4 TD: 25,334' 238' FSL / 202' FWL	--	--
X-4	RILEY #1-28H	622982	2046988	35° 02' 42.39" -97° 50' 34.90"	35.045109 -97.843027	28-7N-6W:NE4SE4SW4SW4 TD: 18,795' 400' FSL / 1,010' FWL	--	--
X-5	LUCKY PENNY #1-33H	617321	2048973	35° 01' 46.37" -97° 50' 11.13"	35.029548 -97.836424	33-7N-6W:SE4SW4SW4SE4 TD: 18,672' 10' FSL / 2,275' FEL	--	--
X-6	JANTZ FAMILY #1-33H	617489	2050888	35° 01' 48.01" -97° 49' 48.10"	35.030002 -97.830027	33-7N-6W:SW4SE4SE4SE4 TD: 17,547' 175' FSL / 360' FEL	--	--
X-7	STANDRIDGE-HENDRIX #1	614965	2047944	35° 01' 23.09" -97° 50' 23.54"	35.023080 -97.839872	4-6N-6W:SE4NW4 TD: 12,980' 2,970' FSL / 1,980' FWL	--	--
X-8	WALTERS WEST #1-34H	617109	2050833	35° 01' 44.25" -97° 49' 48.76"	35.028958 -97.830212	4-6N-6W:NW4NE4NE4NE4 TD: 17,783' 205' FNL / 415' FEL	--	--
X-9	S.S. STANDRIDGE #1-4H	612318	2050221	35° 00' 56.87" -97° 49' 56.23"	35.015796 -97.832285	4-6N-6W:SW4SE4SE4SE4 TD: 17,822' 325' FSL / 1,035' FEL	--	--
X-10	HILL #9-1	609339	2047292	35° 00' 27.45" -97° 50' 31.49"	35.007624 -97.842081	9-6N-6W:W2 TD: 12,870' 2,640' FSL / 1,320' FWL	--	--
X-11	GILL #1-4H	611617	2047370	35° 00' 49.98" -97° 50' 30.50"	35.013883 -97.841807	9-6N-6W:SW4NW4NE4NW4 TD: 19,380' 370' FNL / 1,400' FWL	--	--
X-12	SPRAY #1-9H	606965	2049487	35° 00' 03.93" -97° 50' 05.15"	35.001091 -97.834763	9-6N-6W:SW4SE4SW4SE4 TD: 19,025' 275' FSL / 1,780' FEL	--	--

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