

API NUMBER: 051 24767

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

Approval Date: 02/26/2020

Expiration Date: 08/26/2021

Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 01 Township: 3N Range: 5W County: GRADY

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 350 890

Lease Name: KNOX Well No: 16-1-36XHS Well will be 350 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349000; OTC/OCC Number: 3186 0

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

TERRY D. & ANN G. THOMAS
P.O. BOX 863
LINDSAY OK 73052

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

Name	Code	Depth
1 SPRINGER	401SPRG	13171

Spacing Orders: 404073 Location Exception Orders: No Exceptions Increased Density Orders: No Density Orders
218926

Pending CD Numbers: 202000194
202000195
202000192
202000193
Special Orders: No Special Orders

Total Depth: 22471 Ground Elevation: 1132 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 420

Deep surface casing has been approved

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 20-37280
H. SEE MEMO

PIT 1 INFORMATION

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

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

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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.

MULTI UNIT HOLE 1

Section: 36	Township: 4N	Range: 5W	Total Length: 9300
County: GRADY			Measured Total Depth: 22471
Spot Location of End Point: NE	NE	NW	NE
Feet From: NORTH	1/4 Section Line: 30		True Vertical Depth: 13500
Feet From: EAST	1/4 Section Line: 1530		End Point Location from Lease, Unit, or Property Line: 30

NOTES:

Category	Description
DEEP SURFACE CASING	2/19/2020 - 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	2/19/2020 - 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
MEMO	2/19/2020 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202000192	2/26/2020 - GC2 - 1-3N-5W X404073 SPRG 2 WELLS NO OP. NAMED REC. 2-11-2020 (NORRIS)
PENDING CD - 202000193	2/26/2020 - GC2 - 36-4N-5W X218926 SPRG 1 WELL NO OP. NAMED REC. 2-11-2020 (NORRIS)
PENDING CD - 202000194	2/26/2020 - GC2 - (I.O.) 1-3N-5W & 36-4N-5W X404073 SPRG 1-3N-5W X218926 SPRG 36-4N-5W COMPL. INT. (1-3N-5W) NCT 150' FSL, NCT 0' FNL, NCT 990' FEL COMPL. INT. (36-4N-5W) NCT 0' FSL, NCT 150' FNL, NCT 990' FEL NO OP. NAMED REC. 2-11-2020 (NORRIS)
PENDING CD - 202000195	2/26/2020 - GC2 - (I.O.) 1-3N-5W & 36-4N-5W EST MULTIUNIT HORIZONTAL WELL X404073 SPRG 1-3N-5W X218926 SPRG 36-4N-5W 50% 1-3N-5W 50% 36-4N-5W NO OP. NAMED REC. 2-11-2020 (NORRIS)
SPACING - 218926	2/26/2020 - GC2 - (640) 36-4N-5W EST OTHERS EXT 162653 SPRG, OTHERS
SPACING - 404073	2/26/2020 - GC2 - (640) 1-3N-5W EXT OTHERS EXT 218926 SPRG, OTHERS

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

The duration of this permit is 18 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 24767 KNOX 16-1-36XHS

EXHIBIT: A (1 of 2)
 SHEET: 8.5x14
 SHL: 1-3N-5W
 BHL-16 36-4N-5W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 1 Township 3N Range 5W I.M. Well: KNOX 16-1-36XHS
 County GRADY State OK Well: --
 Operator CONTINENTAL RESOURCES, INC.

NAD-83							
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION
W16	KNOX 16-1-36XHS	517525	2087229	34° 45' 17.88" -97° 40' 16.72"	34.754987 -97.671310	350' FSL / 880' FEL (SE/4 SEC 1)	1130.61' 1131.74'
LP-16	LANDING POINT	517524	2086589	34° 45' 17.88" -97° 40' 24.39"	34.754988 -97.673442	350' FSL / 1530' FEL (SE/4 SEC 1)	-- --
BHL-16	BOTTOM HOLE LOCATION	527708	2086582	34° 46' 58.82" -97° 40' 24.08"	34.782951 -97.673357	30' FNL / 1530' FEL (NE/4 SEC 36)	-- --
X-1	FLOBACK "C" #1-36	523118	2087832	34° 46' 13.19" -97° 40' 11.43"	34.770330 -97.689843	36-4N-5W: TD: 9,600' 660' FSL / 463' FEL	-- --
X-2	FLOBACK #A-1	524435	2084809	34° 46' 28.31" -97° 40' 45.47"	34.773974 -97.679287	36-4N-5W: TD: 10,008' 1,980' FSL / 1,980' FNL	-- --
X-3	FLOBACK "B" #1-36	525757	2087446	34° 46' 39.30" -97° 40' 13.80"	34.777383 -97.670500	36-4N-5W: TD: 9,550' 1,982' FNL / 667' FEL	-- --
X-4	ESTES #1-36H	523067	2083620	34° 46' 12.81" -97° 40' 59.77"	34.770225 -97.683270	36-4N-5W: TD: 18,125' 613' FSL / 789' FNL	-- --
X-5	MAZUR #1	520474	2088135	34° 45' 47.09" -97° 40' 29.72"	34.783080 -97.674924	1-3N-5W: TD: 6,323' 1,982' FNL / 1,982' FEL	-- --
X-6	MOZWIL #0	522221	2087941	34° 46' 04.31" -97° 40' 08.00"	34.767864 -97.668669	1-3N-5W: TD: UNKNOWN' ±237' FNL / ±174' FEL	-- --
X-7	KNOX #1-1H	517363	2086369	34° 45' 16.30" -97° 40' 27.03"	34.754529 -97.674175	1-3N-5W: TD: 19,540' 190' FSL / 1,750' FEL	-- --
X-8	LARUSCH #1-1H	517416	2083993	34° 45' 16.92" -97° 40' 59.10"	34.754609 -97.683083	1-3N-5W: TD: 17,637' 250' FSL / 880' FNL	-- --

NAD-27							
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION
W16	KNOX 16-1-36XHS	517483	2088825	34° 45' 17.61" -97° 40' 16.60"	34.754892 -97.671000	350' FSL / 880' FEL (SE/4 SEC 1)	1130.61' 1131.74'
LP-16	LANDING POINT	517482	2088185	34° 45' 17.62" -97° 40' 23.27"	34.754893 -97.673131	350' FSL / 1530' FEL (SE/4 SEC 1)	-- --
BHL-16	BOTTOM HOLE LOCATION	527666	2088178	34° 46' 58.35" -97° 40' 22.98"	34.782876 -97.673046	30' FNL / 1530' FEL (NE/4 SEC 36)	-- --
X-1	FLOBACK "C" #1-36	523078	2089248	34° 46' 12.92" -97° 40' 10.32"	34.770256 -97.685532	36-4N-5W: TD: 9,600' 660' FSL / 463' FEL	-- --
X-2	FLOBACK #A-1	524393	2086404	34° 46' 26.04" -97° 40' 44.35"	34.773900 -97.678986	36-4N-5W: TD: 10,008' 1,980' FSL / 1,980' FNL	-- --
X-3	FLOBACK "B" #1-36	525715	2089042	34° 46' 39.03" -97° 40' 12.68"	34.777508 -97.670189	36-4N-5W: TD: 9,550' 1,982' FNL / 667' FEL	-- --
X-4	ESTES #1-36H	523025	2085215	34° 46' 12.54" -97° 40' 58.65"	34.770150 -97.682960	36-4N-5W: TD: 18,125' 613' FSL / 789' FNL	-- --
X-5	MAZUR #1	520433	2087730	34° 45' 46.82" -97° 40' 28.61"	34.763006 -97.674613	1-3N-5W: TD: 6,323' 1,982' FNL / 1,982' FEL	-- --
X-6	MOZWIL #0	522179	2089537	34° 46' 04.04" -97° 40' 08.68"	34.767769 -97.668578	1-3N-5W: TD: UNKNOWN' ±237' FNL / ±174' FEL	-- --
X-7	KNOX #1-1H	517321	2087865	34° 45' 16.03" -97° 40' 29.91"	34.754454 -97.673865	1-3N-5W: TD: 19,540' 190' FSL / 1,750' FEL	-- --
X-8	LARUSCH #1-1H	517374	2085289	34° 45' 16.65" -97° 40' 57.98"	34.754624 -97.682773	1-3N-5W: TD: 17,637' 250' FSL / 880' FNL	-- --

Certificate of Authorization No. 7318



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

REVISIONS

No.	DATE	STAKED	BY	DESCRIPTION	COMMENTS
00	1-31-20	**--**--20	HOG	ISSUED FOR APPROVAL	--
01	2-18-20	**--**--20	HOG	REV'D GRADING	REV'D SHEETS A1, C, H, J & "A"

EXHIBIT: A (2 of 2)
SHEET: 8.5x14
SHL: 1-3N-5W
BHL-16 36-4N-5W

PETRO LAND SERVICES SOUTH, LLC

10400 VINEYARD BLVD. SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



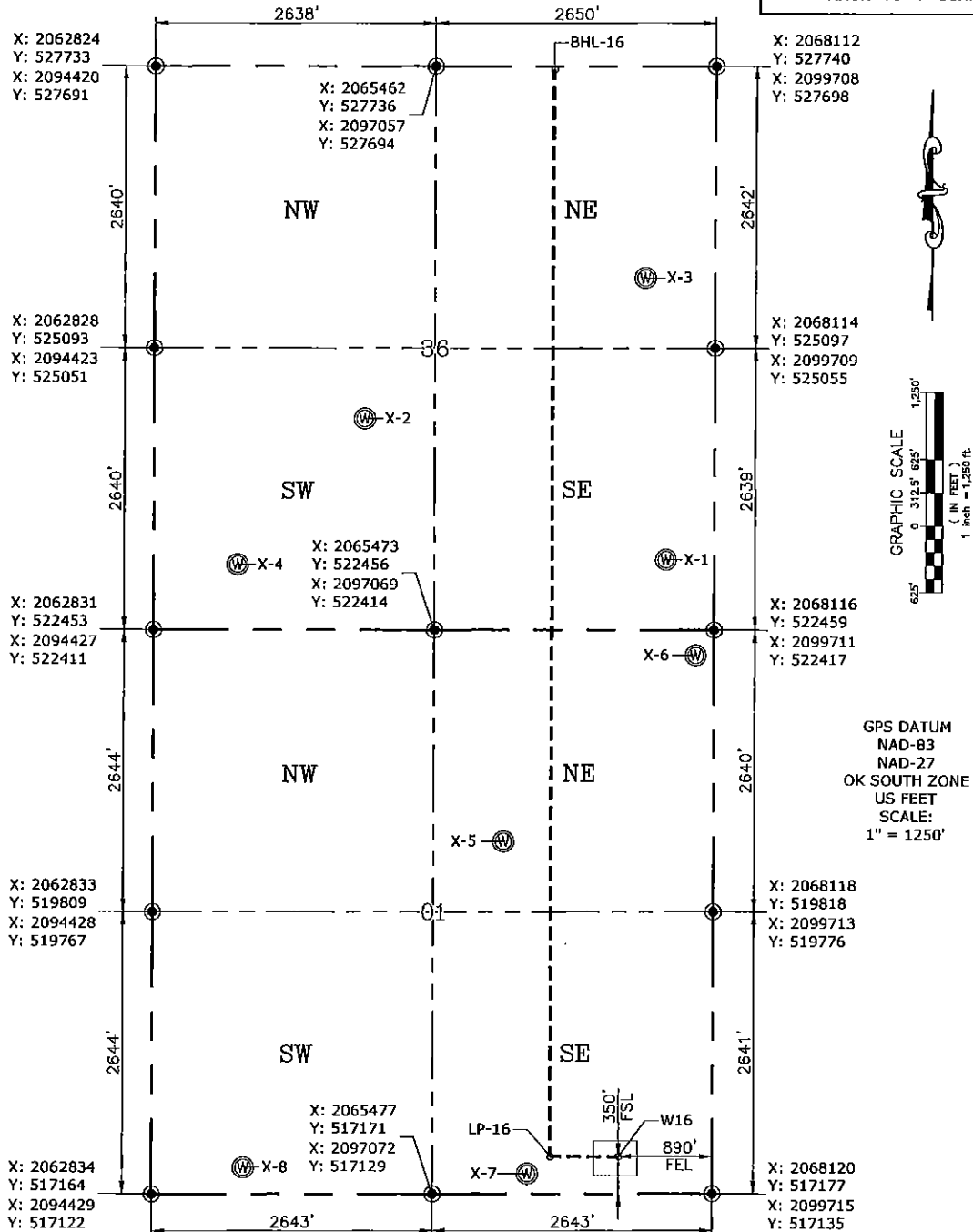
CONTINENTAL
RESOURCES, INC.
(OPERATOR)

GRADY

County Oklahoma

350' FSL-890' FEL Section 1 Township 3N Range 5W I.M.

WELL: KNOX 16-1-36XHS



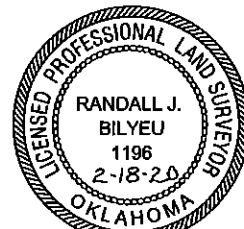
CURRENT REV.: 1

Data Drawn: 2-18-20

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. Please contact PLS promptly if any inconsistency is determined. GPS data is observed from RTK-GPS. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true Boundary Survey.

CERTIFICATE:

I, **RANDALL J. BILYEU** an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.



Randall J. Bilyeu

Oklahoma PLS No.1196 DATE