

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

API NUMBER: 049 25262

Approval Date: 02/08/2019

Expiration Date: 08/08/2020

Horizontal Hole  
Multi Unit  
Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 3N Rge: 4W

County: GARVIN

SPOT LOCATION: ☐ SW ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 524 1758

Lease Name: LANG

Well No: 6-29-32XHW

Well will be 524 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

BILLY E. NEWHEY  
805 W. CHOCTAW  
LINDSAY OK 73052

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

	Name	Depth	Name	Depth
1	WOODFORD	14432	6	
2	HUNTON	14590	7	
3			8	
4			9	
5			10	

Spacing Orders: 592945  
581999

Location Exception Orders:

Increased Density Orders: 690291  
690292

Pending CD Numbers: 201809057  
201809056

Special Orders:

Total Depth: 19692

Ground Elevation: 1120

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 340

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 BED AQUIFER

Pit Location Formation: DUNCAN

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

PERMIT NO: 18-35871

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 32 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: N2 SE NW NE

Feet From: NORTH 1/4 Section Line: 700

Feet From: EAST 1/4 Section Line: 1650

Depth of Deviation: 13481

Radius of Turn: 477

Direction: 179

Total Length: 5462

Measured Total Depth: 19692

True Vertical Depth: 14606

End Point Location from Lease,  
Unit, or Property Line: 700

Additional Surface Owner	Address	City, State, Zip
DOYLE WAYNE & GAIL JANETTE DA	15788 HWY 76 SOUTH	LINDSAY, OK 73052

Notes:

Category

Description

DEEP SURFACE CASING

1/10/2019 - 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

1/10/2019 - 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](http://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](http://FRACFOCUS.ORG)

INCREASED DENSITY - 690291

2/7/2019 - G58 - 29-3N-4W  
X592945 WDFD  
7 WELLS WDFD  
4 WELLS OTHER  
NO OP. NAMED  
1/24/2019

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

049 25262 LANG 6-29-32XHW

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
INCREASED DENSITY - 690292	2/7/2019 - G58 - 32-3N-4W X581999 WDFD 7 WELLS WDFD 4 WELLS OTHER NO OP. NAMED 1/24/2019
MEMO	1/10/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201809056	2/7/2019 - G58 - (I.O.) 29 & 32-3N-4W EST MULTIUNIT HORIZONTAL WELL X592945 WDFD, HNTN, OTHER 29-3N-4W X581999 WDFD, HNTN, OTHER 32-3N-4W (HNTN IS ADJACENT CSS TO WDFD) 90% 29-3N-4W 10% 32-3N-4W NO OP. NAMED REC 12/10/2018 (M. PORTER)
PENDING CD - 201809057	2/7/2019 - G58 - (I.O.) 29 & 32-3N-4W X592945 WDFD, HNTN, OTHER 29-3N-4W X581999 WDFD, HNTN, OTHER 32-3N-4W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (29-3N-4W) NCT 150' FNL, NCT 0' FSL, NCT 990' FEL COMPL. INT. (32-3N-4W) NCT 0' FNL, NCT 1320' FSL, NCT 990' FEL NO OP. NAMED REC 12/10/2018 (M. PORTER)
SPACING - 581999	2/7/2019 - G58 - (640) 32-3N-4W EXT 190289 WDFD, HNTN, OTHERS
SPACING - 592945	2/7/2019 - G58 - (640) 29-3N-4W EXT 581999/213539 WDFD, HNTN, OTHERS
WATERSHED STRUCTURE	1/10/2019 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 238-7233 PRIOR TO DRILLING

EXHIBIT: A (1 of 2)  
SHEET: 8.5x11  
SHL: 29-3N-4W  
BHL-6 32-3N-4W



COVER SHEET

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


Section 29 Township 3N Range 4W I.M. Well: LANG 6-29-32XHW  
County GARVIN State OK Well: --  
Operator CONTINENTAL RESOURCES, INC.

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W6	LANG 6-29-32XHW	500816	2076958	34° 42' 32.27" -97° 38' 20.84"	34.708963 -97.639122	524' FNL / 1758' FEL (NE/4 SEC 29)	1118.84'	1119.79'
LP-6	LANDING POINT	500816	2077066	34° 42' 32.26" -97° 38' 19.54"	34.708962 -97.638762	524' FNL / 1650' FEL (NE/4 SEC 29)	--	--
BHL-6	BOTTOM HOLE LOCATION	495354	2077098	34° 41' 38.24" -97° 38' 19.40"	34.693955 -97.638722	700' FNL / 1650' FEL (NE/4 SEC 32)	--	--
X-14	BRAY #1	497374	2077411	34° 41' 58.21" -97° 38' 15.56"	34.699503 -97.637656	29-3N-4W:SE4   TD: 12,300'   1,320' FSL / 1,320' FWL ¼ Sec Line	--	--
X-15	VESTA MARIE #1-29H	500942	2074758	34° 42' 33.60" -97° 38' 47.19"	34.709332 -97.646440	29-3N-4W:SW4NW4NE4NW4   TD: 19,050'   390' FNL / 1,340' FWL	--	--
X-16	COLBERT #1-32H	490986	2074258	34° 40' 55.13" -97° 38' 53.59"	34.681980 -97.648220	32-3N-4W:SW4SE4SW4SW4   TD: 19,815'   230' FSL / 790' FWL	--	--

NAD-27							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W6	LANG 6-29-32XHW	500774	2108553	34° 42' 31.99" -97° 38' 19.73"	34.708886 -97.638813	524' FNL / 1758' FEL (NE/4 SEC 29)	1118.84'	1119.79'
LP-6	LANDING POINT	500774	2108661	34° 42' 31.99" -97° 38' 18.43"	34.708885 -97.638453	524' FNL / 1650' FEL (NE/4 SEC 29)	--	--
BHL-6	BOTTOM HOLE LOCATION	495312	2108693	34° 41' 37.96" -97° 38' 18.29"	34.693878 -97.638413	700' FNL / 1650' FEL (NE/4 SEC 32)	--	--
X-14	BRAY #1	497332	2109006	34° 41' 57.93" -97° 38' 14.45"	34.699426 -97.637347	29-3N-4W:SE4   TD: 12,300'   1,320' FSL / 1,320' FWL ¼ Sec Line	--	--
X-15	VESTA MARIE #1-29H	500900	2106353	34° 42' 33.32" -97° 38' 46.07"	34.709256 -97.646131	29-3N-4W:SW4NW4NE4NW4   TD: 19,050'   390' FNL / 1,340' FWL	--	--
X-16	COLBERT #1-32H	490944	2105853	34° 40' 54.85" -97° 38' 52.48"	34.681903 -97.647911	32-3N-4W:SW4SE4SW4SW4   TD: 19,815'   230' FSL / 790' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 11-6-18  
Date Drawn: 11-5-18

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

REVISIONS				
No.	DATE	BY	DESCRIPTION	COMMENTS
00	11-5-18	HOG	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 2)  
SHEET: 8.5x14  
SHL: 29-3N-4W  
BHL-6 32-3N-4W

**PETRO LAND SERVICES SOUTH, LLC**

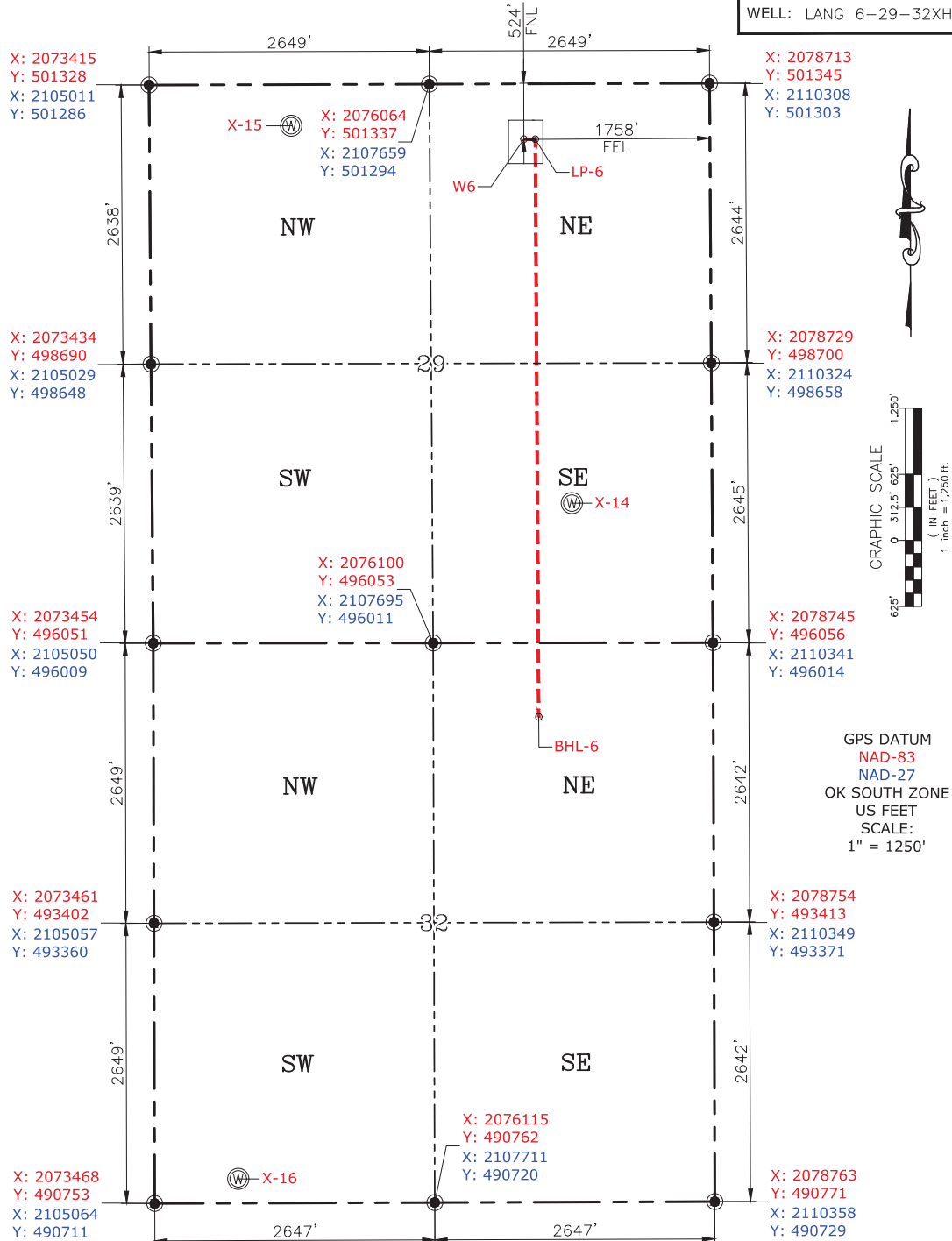
10400 VINEYARD BLVD. SUITE C, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108  
Certificate of Authorization No. 7318



CONTINENTAL  
RESOURCES, INC.  
(OPERATOR)

GARVIN County Oklahoma  
524' FNL-1758' FEL Section 29 Township 3N Range 4W I.M.

WELL: LANG 6-29-32XHW



GPS DATUM  
NAD-83  
NAD-27  
OK SOUTH ZONE  
US FEET  
SCALE:  
1" = 1250'

CURRENT REV.: 0

Date Drawn: 11-5-18

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