

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

API NUMBER: 011 23812 B

Approval Date: 12/07/2018  
Expiration Date: 06/07/2020

Horizontal Hole Oil & Gas

PERMIT TO DEEPEN

WELL LOCATION: Sec: 13 Twp: 15N Rge: 11W

County: BLAINE

SPOT LOCATION:  SW  SE  SW  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 241 825

Lease Name: REBA JO

Well No: 1-13H

Well will be 241 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

JERRY D. PIERCE, TRUSTEE  
ROUTE 2, BOX 160  
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	10865	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 581931

Location Exception Orders: 664320

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15739

Ground Elevation: 1506

Surface Casing: 1474 IP

Depth to base of Treatable Water-Bearing FM: 120

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: 8000 Average: 5000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 17-32727

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 13 Twp 15N Rge 11W County BLAINE

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 10498

Radius of Turn: 477

Direction: 356

Total Length: 4492

Measured Total Depth: 15739

True Vertical Depth: 10865

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

Notes:

Category

Description

HYDRAULIC FRACTURING

11/19/2018 - 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](http://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](http://FRACFOCUS.ORG)

INTERMEDIATE CASING

11/19/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

LOCATION EXCEPTION - 664320

12/6/2018 - G75 - (I.O.) 13-15N-11W  
XOTHER  
X581931 MSSLM, OTHER  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL  
CONTINENTAL RESOURCES, INC.  
6-2-2017 (WELL SPUD 6-22-2017, CONTINUED UNTIL 4-9-2019)

MEMO

11/19/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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.

Category	Description
SPACING - 581931	12/6/2018 - G75 - (640) 13-15N-11W EXT OTHER EXT 579331 MSSLM, OTHERS EST OTHERS
SURFACE LOCATION	12/6/2018 - G75 - 241' FSL, 825' FWL SW4 13-15N-11W W/ GROUND ELEVATION 1506' PER REVISED STAKING PLAT

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.

EXHIBIT: A (1 of 2)  
 SHEET: 8.5x14  
 SHL: 13-15N-11W  
 BHL-1 13-15N-11W  
 BHL-2 13-15N-11W



API 011-23812 B

COVER SHEET

**CONTINENTAL RESOURCES, INC.**

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

Section 13 Township 15N Range 11W I.M. Well: REBA JO 1-13H  
 County BLAINE State OK Well: --  
 Operator CONTINENTAL RESOURCES, INC.

NAD-83								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION	
W1	REBA JO 1-13H	280181	1871124	35° 46' 09.26" -98° 19' 41.65"	35.769238 -98.328237	241' FSL / 825' FWL (SW/4 SEC 13)	1505.63	1505.63
LP-1	LANDING POINT	280180	1870629	35° 46' 09.24" -98° 19' 47.66"	35.769232 -98.329906	241' FSL / 330' FWL (SW/4 SEC 13)	--	--
BHL-1	BOTTOM HOLE LOCATION	285165	1870655	35° 46' 58.53" -98° 19' 47.55"	35.782925 -98.329876	50' FNL / 330' FWL (NW/4 SEC 13)	--	--
X-1	TEMPLE UNIT #1	281260	1871625	35° 46' 19.95" -98° 19' 35.62"	35.772208 -98.326562	13-15N-11W:SW4   TD: 9,925'   1,320' FSL / 1,320' FWL	--	--
X-2	TANNER #1-13	283898	1871639	35° 46' 46.04" -98° 19' 35.56"	35.779456 -98.326545	13-15N-11W:NW4   TD: 9,926'   1,320' FSL / 1,320' FWL	--	--
X-3	HESEL #1	282831	1874284	35° 46' 35.57" -98° 19' 03.42"	35.776548 -98.317616	13-15N-11W:S2S2NE4   TD: 9,925'   250' FSL / 1,320' FWL	--	--
X-4	HESEL UNIT B-1	281262	1874938	35° 46' 20.08" -98° 18' 55.42"	35.772243 -98.315395	13-15N-11W:E2SE4   TD: 10,038'   1,320' FNL / 1,980' FWL	--	--
X-5	TANNER #1-13H	280139	1870649	35° 46' 08.83" -98° 19' 47.42"	35.769120 -98.329839	13-15N-11W:SE4SW4SW4SW4   TD: 16,455'   200' FSL / 350' FWL	--	--

NAD-27								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION	
W1	REBA JO 1-13H	280157	1902724	35° 46' 09.10" -98° 19' 40.41"	35.769194 -98.327893	241' FSL / 825' FWL (SW/4 SEC 13)	1505.63	1505.63
LP-1	LANDING POINT	280156	1902229	35° 46' 09.08" -98° 19' 46.42"	35.769188 -98.329561	241' FSL / 330' FWL (SW/4 SEC 13)	--	--
BHL-1	BOTTOM HOLE LOCATION	285141	1902255	35° 46' 58.37" -98° 19' 46.31"	35.782881 -98.329530	50' FNL / 330' FWL (NW/4 SEC 13)	--	--
X-1	TEMPLE UNIT #1	281236	1903225	35° 46' 19.79" -98° 19' 34.38"	35.772164 -98.326217	13-15N-11W:SW4   TD: 9,925'   1,320' FSL / 1,320' FWL	--	--
X-2	TANNER #1-13	283874	1903239	35° 46' 45.88" -98° 19' 34.32"	35.779411 -98.326200	13-15N-11W:NW4   TD: 9,926'   1,320' FSL / 1,320' FWL	--	--
X-3	HESEL #1	282807	1905884	35° 46' 35.41" -98° 19' 02.18"	35.776504 -98.317271	13-15N-11W:S2S2NE4   TD: 9,925'   250' FSL / 1,320' FWL	--	--
X-4	HESEL UNIT B-1	281238	1906538	35° 46' 19.92" -98° 18' 54.18"	35.772199 -98.315051	13-15N-11W:E2SE4   TD: 10,038'   1,320' FNL / 1,980' FWL	--	--
X-5	TANNER #1-13H	280115	1902249	35° 46' 08.67" -98° 19' 46.18"	35.769075 -98.329494	13-15N-11W:SE4SW4SW4SW4   TD: 16,455'   200' FSL / 350' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 05-31-18  
 Date Drawn: 05-31-18



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	05-31-18	MJL	ISSUED FOR APPROVAL	--
01	06-15-18	HDG	MOVED LP & BHL LOCATION	ALL SHEETS UPDATED
02	10-02-18	MJL	REMOVED REBA JO 2 ADJUSTED REBA JO 1 SHL	UPDATED ALL SHEETS

EXHIBIT: A (2 of 2)  
 SHEET: 8.5x14  
 SHL: 13-15N-11W  
 BHL-1 13-15N-11W

**PETRO LAND SERVICES SOUTH, LLC**

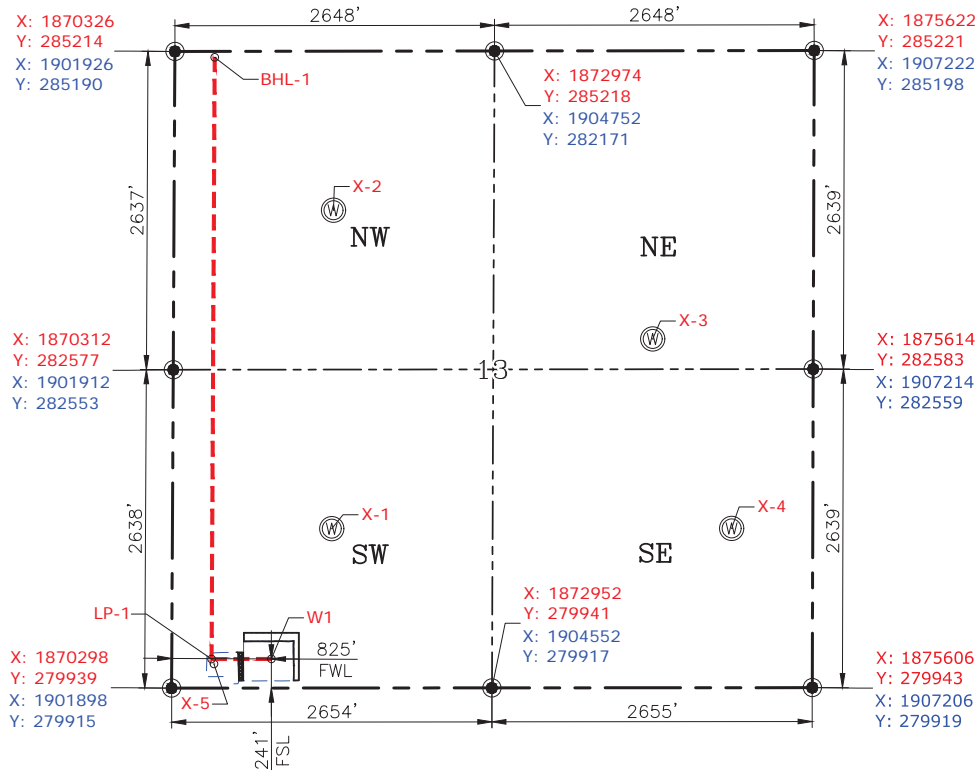
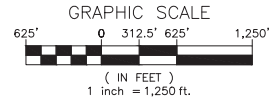
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108  
 Certificate of Authorization No. 7318



CONTINENTAL  
 RESOURCES, INC  
 (OPERATOR)

BLAINE \_\_\_\_\_ County Oklahoma  
 241' FSL-825' FWL Section 13 Township 15N Range 11W I.M.

WELL: REBA JO 1-13H



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

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.

Date Staked: 05-31-18  
 Date Drawn: 05-31-18

CURRENT REV.: 2



*Randall J. Bilyeu*

**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.

Oklahoma PLS No.1196 DATE