

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

API NUMBER: 011 23887

Approval Date: 11/28/2017

Expiration Date: 05/28/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 16N Rge: 13W

County: BLAINE

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 270 315

Lease Name: LUGENE

Well No: 1-33XH

Well will be 270 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

KENNETH & LUGENE JONES
2217 MISSION RD.
EDMOND OK 73034

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11805	6	
2	WOODFORD	12400	7	
3			8	
4			9	
5			10	

Spacing Orders: 669592

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201705571

Special Orders:

Total Depth: 16601

Ground Elevation: 1767

Surface Casing: 480

Depth to base of Treatable Water-Bearing FM: 230

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 17-33344

H. SEE MEMO

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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 33 Twp 16N Rge 13W County BLAINE

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 375

Depth of Deviation: 11108

Radius of Turn: 382

Direction: 357

Total Length: 4893

Measured Total Depth: 16601

True Vertical Depth: 12400

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

Notes:

Category

Description

HYDRAULIC FRACTURING

11/22/2017 - 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

INTERMEDIATE CASING

11/22/2017 - 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

MEMO

11/22/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 1 - WBM & CUTTINGS WILL BE SOIL FARMED; PIT 2 - OBM RETURNED TO VENDOR, OBM CUTTINGS TO ORDER 587498, 31-12N-8W, CANADIAN CO.

PENDING CD - 201705571

11/22/2017 - G57 - (I.O.) 33-16N-13W
X669592 MSSP, WDFD
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL
NO OP. NAMED
REC 10-3-2017 (MCKEOWN)

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

011 23887 LUGENE 1-33XH

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 - 669592	11/22/2017 - G57 - (640) 33-16N-13W VAC 142349 CSTR EXT 663010 MSSP, WDFD EXT OTHER

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: 8.5x11
SHL: 33-16N-13W
BHL: 33-16N-13W



API: 011 23887

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 16N Range 13W I.M.

Well: LUGENE 1-33XH

County BLAINE State OK

Well: _____

Operator CONTINENTAL RESOURCES, INC.

Well: _____

NAD-83

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE	DESIGN ELEVATION
W1	LUGENE 1-33XH	296483	1796532	1764.73	N35°48'47.03" W98°34'48.00"	N35.813064° W98.580000°	270' FSL / 315' FEL (SE/4 SEC 33)
L.P.	LANDING POINT	296536	1796472	---	N35°48'47.55" W98°34'48.73"	N35.813208° W98.580203°	322' FSL / 375' FEL (SE/4 SEC 33)
B.H.L.	BOTTOM HOLE LOCATION	301429	1796506	---	N35°49'35.94" W98°34'48.68"	N35.826651° W98.580189°	50' FNL / 375' FEL (NE/4 SEC 33)
X1	VEATCH-1	297970	1794317	---	N35°49'01.60" W98°35'15.00"	N35.817112° W98.587500°	33-16N-13W:SE4NW4SW4 TD: 10,585' 1,740' FSL / 150' FWL
X2	WASHTA-1	300397	1793053	---	N35°49'25.53" W98°35'30.53"	N35.823758° W98.591813°	33-16N-13W:SW4 TD: 10,410' 1,520' FSL / 1,470' FWL
X3	DOBBINS-1	296876	1796122	---	N35°48'50.80" W98°34'53.01"	N35.814138° W98.581392°	33-16N-13W:SE4SE4 TD: 10,620' 660' FSL / 1,980' FWL
X4	LAWRENCE INCE-1-33	299514	1795548	---	N35°49'16.95" W98°35'00.17"	N35.821375° W98.583382°	33-16N-13W:NE4CS2 TD: 10,340' 660' FSL / 1,320' FWL
X5	NEUFELD-1-33	300864	1792257	---	N35°49'30.10" W98°35'40.24"	N35.825028° W98.594510°	33-16N-13W:NW4CNW4 TD: 10,300' 1,980' FSL / 660' FWL

NAD-27

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE	DESIGN ELEVATION
W1	LUGENE 1-33XH	296458	1828134	1764.73	N35°48'46.87" W98°34'46.72"	N35.813019° W98.579644°	270' FSL / 315' FEL (SE/4 SEC 33)
L.P.	LANDING POINT	298511	1828074	---	N35°48'47.39" W98°34'47.45"	N35.813163° W98.579646°	322' FSL / 375' FEL (SE/4 SEC 33)
B.H.L.	BOTTOM HOLE LOCATION	301404	1828107	---	N35°49'35.78" W98°34'47.39"	N35.826606° W98.579832°	50' FNL / 375' FEL (NE/4 SEC 33)
X1	VEATCH-1	297945	1825919	---	N35°49'01.44" W98°35'13.71"	N35.817067° W98.587143°	33-16N-13W:SE4NW4SW4 TD: 10,585' 1,740' FSL / 150' FWL
X2	WASHTA-1	300372	1824655	---	N35°49'25.37" W98°35'29.24"	N35.823713° W98.591456°	33-16N-13W:SW4 TD: 10,410' 1,520' FSL / 1,470' FWL
X3	DOBBINS-1	296851	1827723	---	N35°48'50.73" W98°34'51.73"	N35.814092° W98.581035°	33-16N-13W:SE4SE4 TD: 10,620' 660' FSL / 1,980' FWL
X4	LAWRENCE INCE-1-33	299489	1827149	---	N35°49'16.79" W98°34'58.89"	N35.821329° W98.583025°	33-16N-13W:NE4CS2 TD: 10,340' 660' FSL / 1,320' FWL
X5	NEUFELD-1-33	300839	1823858	---	N35°49'29.94" W98°35'38.95"	N35.824983° W98.594153°	33-16N-13W:NW4CNW4 TD: 10,300' 1,980' FSL / 660' FWL

Certificate of Authorization No. 7318

Date Staked: 10-04-17
Date Drawn: 10-05-17



Prepared By:
Petro Land Services South
10404 Vineyard Blvd.
Suite G100
Oklahoma City, OK 73120

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	10-05-2017	MJL	ISSUED FOR APPROVAL	---
01	10-09-2017	MJL	REVISED B.H.L.	REV. EXHIBITS A-(1 OF 2 & 2 OF 2)

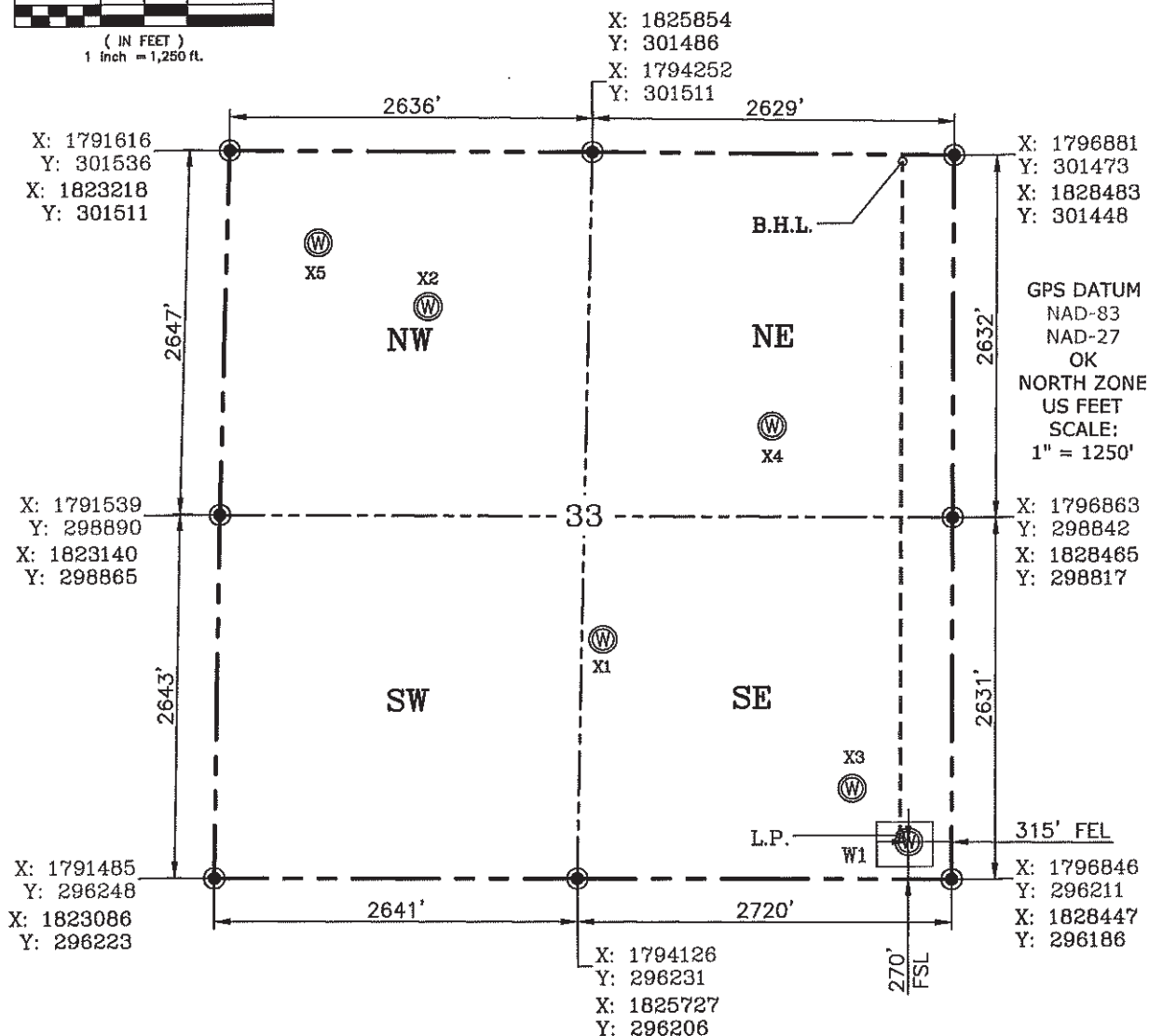
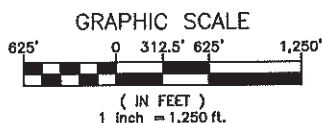
EXHIBIT: A (2 of 2)SHEET: 8.5x14SHL: 33-16N-13WBHL: 33-16N-13W**PETRO LAND SERVICES SOUTH, LLC**10404 VINEYARD BLVD. SUITE G100, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318CONTINENTAL
RESOURCES, INC.
(OPERATOR)

BLAINE

County Oklahoma

270' FSL-315' FEL Section 33 Township 16N Range 13W I.M.

WELL: LUGENE 1-33XH



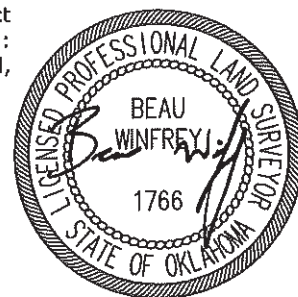
REV-1 10-9-2017

Date Staked: 10-04-17
Date Drawn: 10-05-17

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, Beau Winfrey 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.1766

DATE