

API NUMBER: 011 24263

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

Approval Date: 05/10/2021
Expiration Date: 11/10/2022

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 17 Township: 14N Range: 13W County: BLAINE

SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 290 830

Lease Name: SLAGELL Well No: 2-20-29-32XHM Well will be 290 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 268870
OKLAHOMA CITY, OK 73126-8870

WATSON, ROGER & DANNA LEE
9851 N 2430 RD
WEATHERFORD OK 73096

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	13300
2	WOODFORD	319WDFD	13828

Spacing Orders: 650064 Location Exception Orders: No Exceptions Increased Density Orders: No Density Orders
648410
588324
648700

Pending CD Numbers: 202100544 Working interest owners' notified: *** Special Orders: No Special Orders
202100545

Total Depth: 28119 Ground Elevation: 1570 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 140

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: 21-37533
H. (Other) SEE MEMO

PIT 1 INFORMATION

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: BED AQUIFER

Pit Location Formation: RUSH SPRINGS

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: RUSH SPRINGS

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: 32	Township: 14N	Range: 13W	Meridian: IM	Total Length: 14851
County: BLAINE				Measured Total Depth: 28119
Spot Location of End Point: S2	SE	SW	SW	True Vertical Depth: 14000
Feet From: SOUTH	1/4 Section Line: 50			End Point Location from
Feet From: WEST	1/4 Section Line: 990			Lease, Unit, or Property Line: 990

NOTES:

Category	Description
DEEP SURFACE CASING	[5/5/2021 - GC2] - 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	<p>[5/5/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NH shall BE USED AND IS FOUND AT THIS LINK: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
INTERMEDIATE CASING	[5/5/2021 - GC2] - 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	[5/5/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202100544	<p>[5/10/2021 - GC2] - (I.O.) 20, 29, & 32-14N-13W</p> <p>X650064 MSSP, WDFD 20-14N-13W</p> <p>X648410 MSSP, WDFD 29-14N-13W</p> <p>X648700 MSSP 32-14N-13W</p> <p>X588324 WDFD 32-14N-13W</p> <p>X165:10-3-28(C)(2)(B) MSSP MAY BE CLOSER THAN 600' TO WATSON NORTH 1-8-17XH COMPL. INT. (20-14N-13W) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL</p> <p>COMPL. INT. (29-14N-13W) NCT 0' FNL, NCT 0' FSL, NCT 330' FWL</p> <p>COMPL. INT. (32-14N-13W) NCT 0' FNL, NCT 150' FSL, NCT 330' FWL</p> <p>NO OP. NAMED</p> <p>REC. 5-4-2021 (MILLER)</p>
PENDING CD - 202100545	<p>[5/10/2021 - GC2] - (I.O.) 20, 29, & 32-14N-13W</p> <p>EST MULTIUNIT HORIZONTAL WELL</p> <p>X650064 MSSP, WDFD 20-14N-13W</p> <p>X648410 MSSP, WDFD 29-14N-13W</p> <p>X648700 MSSP 32-14N-13W</p> <p>X588324 WDFD 32-14N-13W</p> <p>(WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP)</p> <p>33% 20-14N-13W</p> <p>34% 29-14N-13W</p> <p>33% 32-14N-13W</p> <p>CONTINENTAL RESOURCES, INC</p> <p>REC. 5-4-2021 (MILLER)</p>
SPACING - 588324	<p>[5/10/2021 - GC2] - (640) 32-14N-13E</p> <p>EXT 582856 MSSLM, WDFD, OTHER</p> <p>(VAC BY 648700 MSSLM)</p>
SPACING - 648410	<p>[5/10/2021 - GC2] - (640) 29-14N-13W</p> <p>VAC 99114 MSCTR, OTHERS</p> <p>EST MSSP, OTHERS</p> <p>EXT 588324 WDFD, OTHER</p>

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.

SPACING - 648700	[5/10/2021 - GC2] - (640) 32-14N-13W VAC 99114 MSCTR, OTHERS VAC 588324 MSSLM EST OTHERS EXT 637726 MSSP
SPACING - 650064	[5/10/2021 - GC2] - (640) 20-14N-13W VAC OTHERS VAC 132224 MCSTR, OTHER EXT OTHERS EST MSSP, WDFD

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.

EXHIBIT: A (1 of 4)
 SHEET: 8.5x11
 SHL: 17-14N-13W
 BHL-S2: 32-14N-13W
 BHL-W2: 5-14N-13W



WELL PAD ID:
 7B2DCFA5-2A7B-7E92-B42A-B1A30226C389
 S2-ID: R7LHAPHSJ7
 W2-ID: S9KIG8HAQ8

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 17 Township 14N Range 13W I.M.

S2: SLAGELL 2-20-29-32XHM

County BLAINE State OK

W2: WATSON NORTH FIU
2-17-8-5XHM

Operator CONTINENTAL RESOURCES, INC.

NAD-83						EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		
S2	SLAGELL 2-20-29-32XHM	249099	1786827	35° 40' 57.83" -98° 36' 42.21"	35.682731 -98.611726	290' FSL / 830' FWL (SW/4 SEC 17)	1560.24'
LP-S2	LANDING POINT	248757	1786984	35° 40' 54.46" -98° 36' 40.28"	35.681795 -98.611189	50' FNL / 990' FWL (NW/4 SEC 20)	---
BHL-S2	BOTTOM HOLE LOCATION	233064	1786874	35° 38' 19.25" -98° 36' 40.41"	35.638682 -98.611226	50' FSL / 990' FWL (SW/4 SEC 32)	---
W2	WATSON NORTH FIU 2-17-8-5XHM	249099	1786857	35° 40' 57.83" -98° 36' 41.85"	35.682732 -98.611625	290' FSL / 860' FWL (SW/4 SEC 17)	1560.39'
LP-W2	LANDING POINT	249097	1786986	35° 40' 57.83" -98° 36' 40.28"	35.682729 -98.611188	290' FSL / 990' FWL (SW/4 SEC 17)	---
BHL-W2	BOTTOM HOLE LOCATION	264520	1787103	35° 43' 30.36" -98° 36' 40.05"	35.725099 -98.611124	50' FNL / 990' FWL (NW/4 SEC 5)	---
X-1	NICOLAI #1	263293	1790054	35° 43' 18.41" -98° 36' 04.16"	35.721780 -98.601156	5-14N-13W: TD: 3035' 1258' FNL / 1320' FEL	---
X-2	NICOLAI #1-X	263293	1790004	35° 43' 18.40" -98° 36' 04.77"	35.721778 -98.601324	5-14N-13W: TD: 11200' 1259' FNL / 1370' FEL	---
X-3	MARY #1-5	263657	1787656	35° 43' 21.86" -98° 36' 33.27"	35.722738 -98.609242	5-14N-13W: TD: 11500' 909' FNL / 1550' FWL	---
X-4	BRANSON #1-5	262933	1787100	35° 43' 14.66" -98° 36' 39.96"	35.720740 -98.611099	5-14N-13W: TD: 11432' 1637' FNL / 1000' FWL	---
X-5	JOHNSTON #1-8	257995	1788751	35° 42' 25.93" -98° 36' 19.56"	35.707202 -98.605433	8-14N-13W: TD: 11252' 1330' FNL / 2591' FEL	---
X-6	LOOSE #1-8	257341	1787376	35° 42' 19.38" -98° 36' 36.18"	35.705383 -98.610051	8-14N-13W: TD: 11750' 1974' FNL / 1320' FWL	---
X-7	DONALD #1-8	257341	1787376	35° 42' 19.38" -98° 36' 36.18"	35.705383 -98.610051	8-14N-13W: TD: 9750' 1974' FNL / 1320' FWL	---
X-8	WATSON NORTH #1-8-17XH	259167	1787720	35° 42' 37.46" -98° 36' 32.15"	35.710405 -98.608930	8-14N-13W: TD: 23907' 150' FNL / 1650' FWL	---
X-9	JOHNSTON #1-17	251294	1787332	35° 41' 19.57" -98° 36' 36.26"	35.688770 -98.610072	17-14N-13W: TD: 11900' 2490' FSL / 1320' FWL	---
X-10	MILLER #1-17	250486	1789088	35° 41' 11.69" -98° 36' 14.91"	35.686581 -98.604143	17-14N-13W: TD: 10600' 1700' FSL / 2201' FEL	---
X-11	USA #1-17	252719	1789973	35° 41' 33.83" -98° 36' 04.35"	35.692731 -98.601207	17-14N-13W: TD: 10550' 1302' FNL / 1331' FEL	---
X-12	HOPE #1-20	248117	1789939	35° 40' 48.32" -98° 36' 04.42"	35.680088 -98.601227	20-14N-13W: TD: 10590' 660' FNL / 1333' FEL	---
X-13	FROST FARMS #1-20	245509	1787961	35° 40' 22.40" -98° 36' 28.20"	35.672888 -98.607832	20-14N-13W: TD: 12196' 1980' FSL / 1980' FWL	---
X-14	WATSON SOUTH #1-20-29XH	248558	1787878	35° 40' 52.55" -98° 36' 29.43"	35.681264 -98.608174	20-14N-13W: TD: 21501' 240' FNL / 1885' FWL	---
X-15	SLAGELL #1-32-29XH	233278	1787071	35° 38' 21.39" -98° 36' 38.04"	35.639274 -98.610568	32-14N-13W: TD: 22381' 265' FSL / 1185' FWL	---

REVISIONS

Certificate of Authorization No. 7318



Prepared By:
 Petro Land Services South
 14612 Hertz Quail Springs
 Pkwy.
 Oklahoma City, OK 73134

No.	DATE	STAKED	BY	DESCRIPTION	COMMENTS
00	03-24-21	**--21	HG	ISSUED FOR APPROVAL	---

EXHIBIT: A (2 of 4)
 SHEET: 8.5x11
 SHL: 17-14N-13W
 BHL-S2: 32-14N-13W
 BHL-W2: 5-14N-13W



WELL PAD ID:
 7B2DCFA5-2A7B-7E92-B42A-B1A30226C389
 S2-ID: R7LHAPHSJ7
 W2-ID: S9KIGBHAQ8

COVER SHEET CONTINUED...

CONTINENTAL RESOURCES, INC.

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

Section 17 Township 14N Range 13W I.M.

S2: SLAGELL 2-20-29-32XHM

County BLAINE State OK

W2: WATSON NORTH FIU
2-17-8-5XHM

Operator CONTINENTAL RESOURCES, INC.

NAD-27						EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		
S2	SLAGELL 2-20-29-32XHM	249074	1818428	35° 40' 57.66" -98° 36' 40.94"	35.682682 -98.611372	290' FSL / 830' FWL (SW/4 SEC 17)	1560.24'
LP-S2	LANDING POINT	248732	1818585	35° 40' 54.29" -98° 36' 39.00"	35.681746 -98.610835	50' FNL / 990' FWL (NW/4 SEC 20)	--
BHL-S2	BOTTOM HOLE LOCATION	233039	1818475	35° 38' 19.08" -98° 36' 39.14"	35.638632 -98.610873	50' FSL / 990' FWL (SW/4 SEC 32)	--
W2	WATSON NORTH FIU 2-17-8-5XHM	249074	1818458	35° 40' 57.66" -98° 36' 40.57"	35.682683 -98.611271	290' FSL / 860' FWL (SW/4 SEC 17)	1560.39'
LP-W2	LANDING POINT	249072	1818587	35° 40' 57.65" -98° 36' 39.00"	35.682680 -98.610834	290' FSL / 990' FWL (SW/4 SEC 17)	--
BHL-W2	BOTTOM HOLE LOCATION	264494	1818704	35° 43' 30.18" -98° 36' 38.77"	35.725051 -98.610768	50' FNL / 990' FWL (NW/4 SEC 5)	--
X-1	NICOLAI #1	263268	1821655	35° 43' 18.24" -98° 36' 02.88"	35.721732 -98.600801	5-14N-13W: TD: 3035' 1258' FNL / 1320' FEL	--
X-2	NICOLAI #1-X	263268	1821605	35° 43' 18.23" -98° 36' 03.49"	35.721730 -98.600969	5-14N-13W: TD: 11200' 1259' FNL / 1370' FEL	--
X-3	MARY #1-5	263632	1819257	35° 43' 21.68" -98° 36' 31.99"	35.722690 -98.608887	5-14N-13W: TD: 11500' 909' FNL / 1550' FWL	--
X-4	BRANSON #1-5	262908	1818701	35° 43' 14.49" -98° 36' 38.68"	35.720692 -98.610743	5-14N-13W: TD: 11432' 1637' FNL / 1000' FWL	--
X-5	JOHNSTON #1-8	257970	1820352	35° 42' 25.75" -98° 36' 18.28"	35.707154 -98.605078	8-14N-13W: TD: 11252' 1330' FNL / 2591' FEL	--
X-6	LOOSE #1-8	257316	1818977	35° 42' 19.20" -98° 36' 34.91"	35.705334 -98.609696	8-14N-13W: TD: 11750' 1974' FNL / 1320' FWL	--
X-7	DONALD #1-8	257316	1818977	35° 42' 19.20" -98° 36' 34.91"	35.705334 -98.609696	8-14N-13W: TD: 9750' 1974' FNL / 1320' FWL	--
X-8	WATSON NORTH #1-8-17XH	259142	1819321	35° 42' 37.28" -98° 36' 30.87"	35.710357 -98.608575	8-14N-13W: TD: 23907' 150' FNL / 1650' FWL	--
X-9	JOHNSTON #1-17	251269	1818933	35° 41' 19.40" -98° 36' 34.98"	35.688721 -98.609718	17-14N-13W: TD: 11900' 2490' FSL / 1320' FWL	--
X-10	MILLER #1-17	250461	1820688	35° 41' 11.51" -98° 36' 13.64"	35.686532 -98.603789	17-14N-13W: TD: 10600' 1700' FSL / 2201' FEL	--
X-11	USA #1-17	252694	1821574	35° 41' 33.66" -98° 36' 03.07"	35.692682 -98.600853	17-14N-13W: TD: 10550' 1302' FNL / 1331' FEL	--
X-12	HOPE #1-20	248092	1821539	35° 40' 48.14" -98° 36' 03.15"	35.680039 -98.600874	20-14N-13W: TD: 10590' 660' FNL / 1333' FEL	--
X-13	FROST FARMS #1-20	245484	1819561	35° 40' 22.22" -98° 36' 26.92"	35.672839 -98.607479	20-14N-13W: TD: 12196' 1980' FSL / 1980' FWL	--
X-14	WATSON SOUTH #1-20-29XH	248533	1819479	35° 40' 52.37" -98° 36' 28.15"	35.681215 -98.607820	20-14N-13W: TD: 21501' 240' FNL / 1885' FWL	--
X-15	SLAGELL #1-32-29XH	233253	1818672	35° 38' 21.21" -98° 36' 36.77"	35.639224 -98.610215	32-14N-13W: TD: 22381' 265' FSL / 1185' FWL	--

EXHIBIT: A (3 of 4)
SHEET: 8.5x14
SHL: 17-14N-13W
BHL-S2: 32-14N-13W

PETRO LAND SERVICES SOUTH, LLC

14612 HERTZ QUAIL SPRINGS PKWY, OKLA. CITY, OKLA. 73134 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318

BLAINE

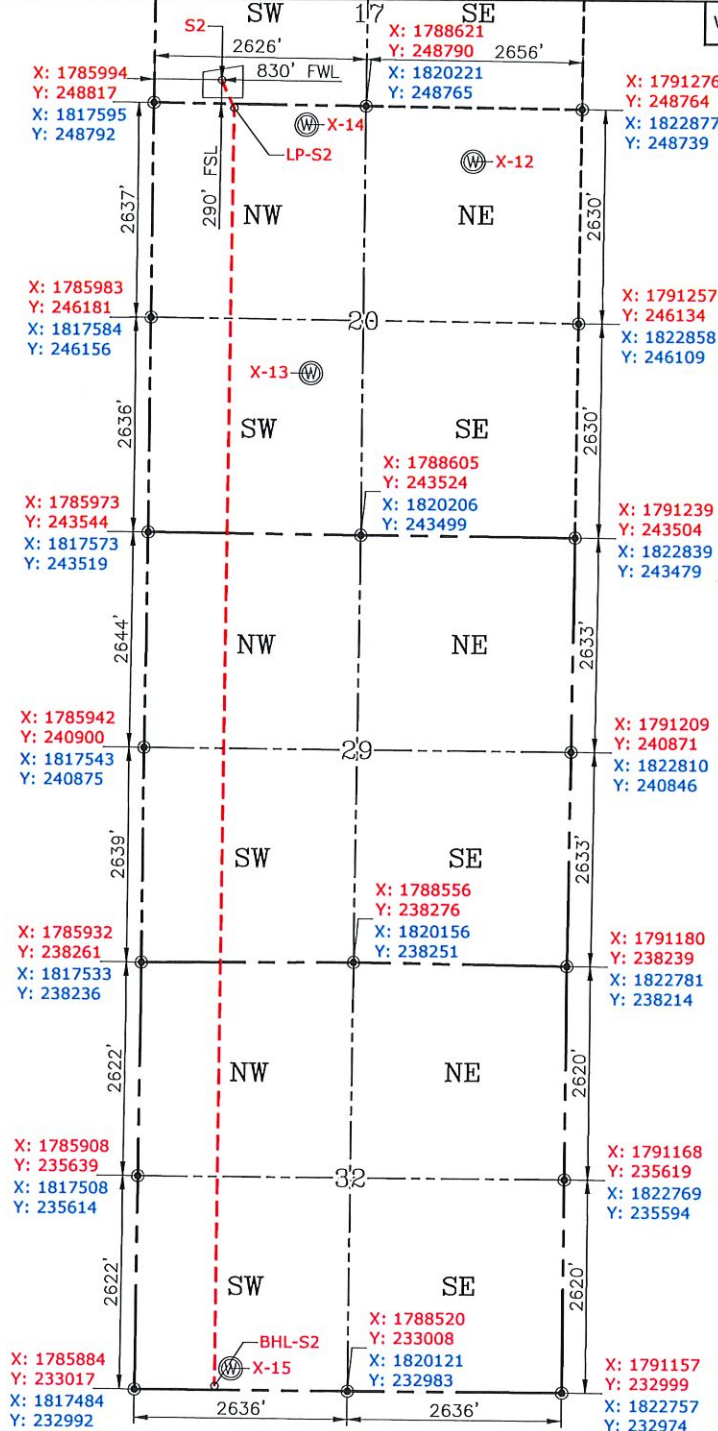
County Oklahoma

290' FSL-830' FWL Section 17 Township 14N Range 13W I.M.



CONTINENTAL
RESOURCES, INC.
(OPERATOR)

WELL: SLAGELL
2-20-29-32XHM



GPS DATUM
NAD-83
NAD-27
OK NORTH ZONE
US FEET
SCALE:
1" = 1800'

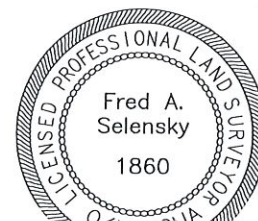
CURRENT REV.: 0

Date Drawn: 03-24-21

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, FRED A. SELENSKY, an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.



Fred A. Selensky
3-25-21
Oklahoma PLS No.1860 DATE

EXHIBIT: A (4 of 4)
SHEET: 8.5x14
SHL: 17-14N-13W
BHL-W2: 5-14N-13W

PETRO LAND SERVICES SOUTH, LLC

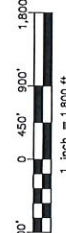
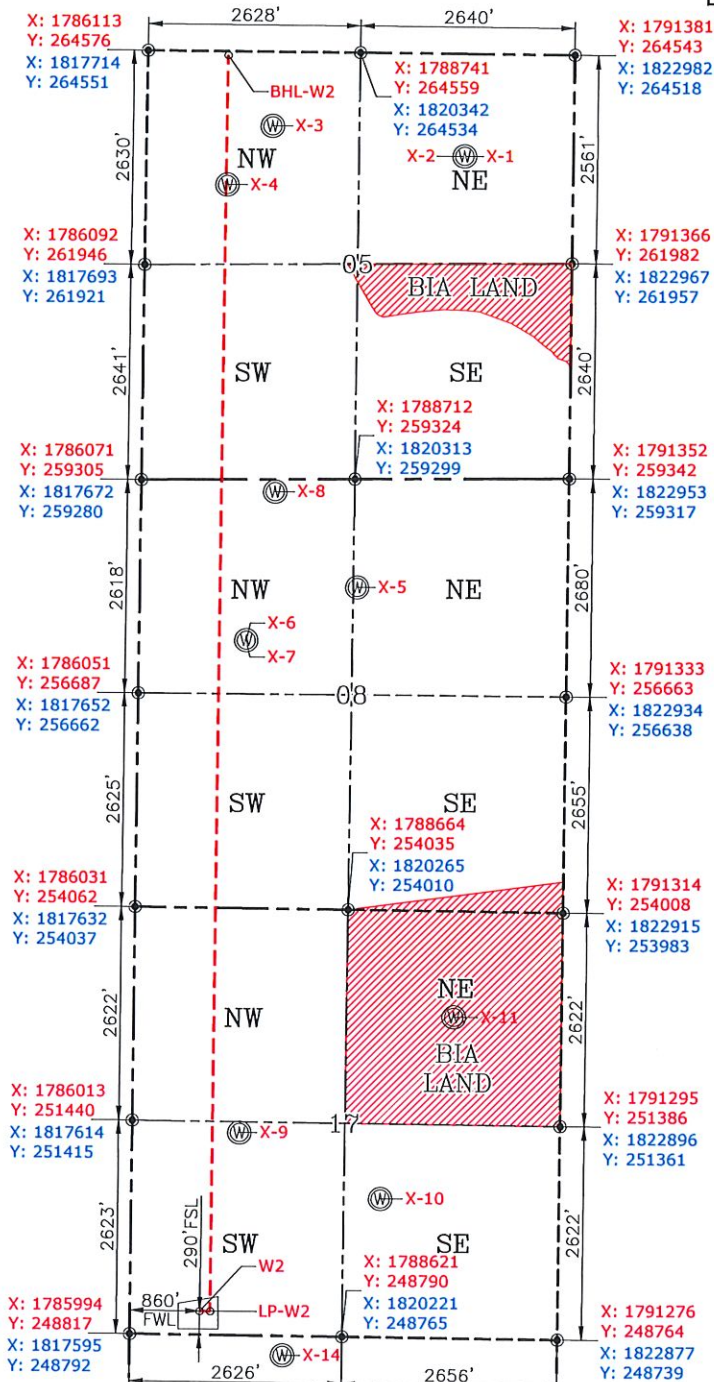
14612 HERTZ QUAIL SPRINGS PKWY, OKLA. CITY, OKLA. 73134 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC.
(OPERATOR)

BLAINE County Oklahoma
290' FSL-860' FWL Section 17 Township 14N Range 13W I.M.

WELL: WATSON NORTH FIU
2-17-8-5XHM



GPS DATUM
NAD-83
NAD-27
OK NORTH ZONE
US FEET
SCALE:
1" = 1800'

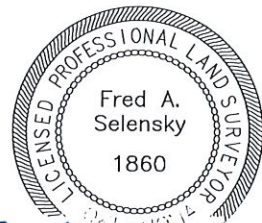
CURRENT REV.: 0
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Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact PLS promptly if any inconsistency is determined. 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, FRED A. SELENSKY, an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.

BIA land information provided by others



Fred A. Selensky
3-25-21
Oklahoma PLS No.1860 DATE