

API NUMBER: 049 25336

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

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

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 17 Township: 1N Range: 1E County: GARVIN

SPOT LOCATION: ☐ NW ☐ NE ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1160 2285

Lease Name: PETRIE Well No: 1-17-20-21-22XHW Well will be 1160 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

PAULA SUE WIMBERLY
507 S. HAMMACK AVE.
WYNNEWOOD OK 73098

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	10752
2	WOODFORD	319WDFD	11120
3	HUNTON	269HNTN	11237

Spacing Orders: 710488 Location Exception Orders: No Exceptions Increased Density Orders: No Density Orders
710832
714322
715835
718127

Pending CD Numbers: 202001547 Working interest owners' notified: *** Special Orders: No Special Orders
Total Depth: 20264 Ground Elevation: 842 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 240

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: 20-37429
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: 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: ALLUVIAL
Pit Location Formation: ALLUVIUM

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: ALLUVIAL
Pit Location Formation: ALLUVIUM

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: 22	Township: 1N	Range: 1E	Meridian: IM	Total Length: 8963	
	County: GARVIN			Measured Total Depth: 20264	
Spot Location of End Point: NE	NE	NE	SW	True Vertical Depth: 13166	
Feet From: SOUTH		1/4 Section Line: 2350		End Point Location from	
Feet From: WEST		1/4 Section Line: 2500		Lease, Unit, or Property Line: 2350	

Additional Surface Owner(s)	Address	City, State, Zip
BULL FAMILY TRUST	34995 HIGHWAY 7	DAVIS, OK 73030

NOTES:

Category	Description
DEEP SURFACE CASING	[11/2/2020 - 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>[11/2/2020 - 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: OCCEWEB.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>
MEMO	[11/2/2020 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD – 202001547	<p>[11/6/2020 - GB6] - (I.O.) 17, 20, 21 & 22 -1N-1E</p> <p>X715835 MSSP, WDFD, HNTN 17-1N-1E</p> <p>X710488 MSSP, WDFD, HNTN 20-1N-1E</p> <p>X714322 MSSP, WDFD, HNTN 21-1N-1E</p> <p>X710832 MSSP, WDFD, HNTN 22-1N-1E</p> <p>COMPL. INT. (17-1N-1E) NCT 2640' FNL, NCT 0' FSL, NCT 150' FWL, NCT 330' FEL</p> <p>COMPL. INT. (20-1N-1E) ENTER SECTION NCT 0' FNL, NCT 330' FEL; EXIT SECTION NCT 330' FNL, NCT 0' FEL</p> <p>COMPL. INT. (21-1N-1E) NCT 330' FNL, NCT 0' FWL, NCT 0' FEL</p> <p>COMPL. INT. (22-1N-1E) NCT 330' FNL, NCT 0' FWL, NCT 150' FEL</p> <p>NO OPER. NAMED</p> <p>REC. 04/20/2021 (THOMAS)</p>
SPACING - 715835	[11/6/2020 - GB6] - (640) 17-1N-1E EXT 710488 MSSP, WDFD, HNTN
SPACING - 718127 (202001537)	<p>[11/6/2020 - GB6] - (I.H.) 17, 20, 21 & 22 -1N-1E</p> <p>EST MULTIUNIT HORIZONTAL WELL</p> <p>X715835 MSSP, WDFD, HNTN 17-1N-1E</p> <p>X710488 MSSP, WDFD, HNTN 20-1N-1E</p> <p>X714322 MSSP, WDFD, HNTN 21-1N-1E</p> <p>X710832 MSSP, WDFD, HNTN 22-1N-1E</p> <p>(MSSP, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)</p> <p>21.18% 17-1N-1E</p> <p>8.26% 20-1N-1E</p> <p>47.91% 21-1N-1E</p> <p>22.65% 22-1N-1E</p> <p>CONTINENTAL RESOURCES, INC.</p> <p>05/04/2021</p>
SPACING – 710488	[11/6/2020 - GB6] - (640) 20-1N-1E EST MSSP, WDFD, HNTN
SPACING – 710832	[11/6/2020 - GB6] - (640) 22-1N-1E VAC 631277 MPUTD, WDUTD, HTUTD, OTHERS 22-1N-1E EST MSSP, WDFD, HNTN, 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.

EXHIBIT: A (6 of 14)
SHEET: 8.5x14
SHL: 17-1N-1E
BHL-1: 22-1N-1E



WELL PAD ID:
5D78E040-9735-00B9-B31A-D63756B58F10
W1-ID: D3IAOHV600

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 1N Range 1E I.M. W1: 1-17-20-21-22XHW
County GARVIN State OK
Operator CONTINENTAL RESOURCES, INC.

NAD-27						EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		
W1	PETRIE 1-17-20-21-22XHW	444877	2234189	34° 33' 12.05" -97° 13' 20.04"	34.553348 -97.222233	1160' FSL / 2285' FWL (SW/4 SEC 17)	841.18'
LP-1	LANDING POINT	444722	2234480	34° 33' 10.49" -97° 13' 16.57"	34.552914 -97.221270	1004' FSL / 2574' FWL (SW/4 SEC 17)	---
PI-1	POINT OF INTERSECT	444407	2234958	34° 33' 07.93" -97° 13' 10.88"	34.552203 -97.219690	746' FSL / 2233' FEL (SE/4 SEC 17)	---
PI-2	POINT OF INTERSECT	443187	2237365	34° 32' 55.08" -97° 12' 42.23"	34.548634 -97.211729	545' FNL / 158' FWL (NW/4 SEC 21)	---
BHL-1	BOTTOM HOLE LOCATION	440851	2245005	34° 32' 31.38" -97° 11' 11.12"	34.542048 -97.189421	2350' FSL / 2500' FWL (SW/4 SEC 22)	---
X-1	GRANT #1	440767	2237567	34° 32' 31.13" -97° 12' 40.04"	34.541979 -97.211122	21-1N-1E: TD: 4,005' 2,307' FSL / 330' FWL	---
X-2	THOMPSON #1	438811	2241540	34° 32' 11.47" -97° 11' 52.73"	34.536519 -97.197979	21-1N-1E: TD: 850' 330' FSL / 990' FEL	---
X-3	JONES #2	441921	2237387	34° 32' 42.55" -97° 12' 42.08"	34.545154 -97.211898	21-1N-1E: TD: UNKNOWN 1,812' FNL / 165' FWL	---
X-4	GRANT #7	440274	2237737	34° 32' 26.23" -97° 12' 38.05"	34.540821 -97.210570	21-1N-1E: TD: 1,500' ±1,813' FNL / ±494' FWL	---
X-5	GRANT #8 (AKA #1)	440535	2238510	34° 32' 28.76" -97° 12' 28.79"	34.541321 -97.207997	21-1N-1E: TD: 1,200' 2,070' FSL / 1,270' FWL	---
X-6	JONES #A-2	442087	2237550	34° 32' 44.18" -97° 12' 40.11"	34.545807 -97.211142	21-1N-1E: TD: 1,275' 1,647' FNL / 330' FWL	---
X-7	GRANT #9	440111	2237740	34° 32' 24.63" -97° 12' 38.03"	34.540176 -97.210564	21-1N-1E: TD: 1,333' 1,851' FSL / 495' FWL	---
X-8	HOGUE #1-21	441782	2241839	34° 32' 40.84" -97° 11' 48.88"	34.544677 -97.196910	21-1N-1E: TD: 8,000' 1,980' FNL / 654' FEL	---
X-9	GRANT #1-B	438961	2238744	34° 32' 13.17" -97° 12' 26.13"	34.536992 -97.207259	21-1N-1E: TD: 1,130' 495' FSL / 1,485' FWL	---
X-10	T. S. GRANT #2	439009	2237424	34° 32' 13.75" -97° 12' 41.91"	34.537152 -97.211843	21-1N-1E: TD: 1,505' 550' FSL / 165' FWL	---
X-11	HOWELL #1	438956	2240046	34° 32' 22.92" -97° 12' 10.47"	34.539699 -97.202910	21-1N-1E: TD: 2,225' 1,483' FSL / 2,469' FEL	---
X-12	KENNEDY #2	441263	2237726	34° 32' 36.02" -97° 12' 38.09"	34.543339 -97.210582	21-1N-1E: TD: 1,224' 2,472' FNL / 495' FWL	---
X-13	KENNEDY #4	441268	2238710	34° 32' 36.00" -97° 12' 26.33"	34.543333 -97.207313	21-1N-1E: TD: 1,476' 2,473' FNL / 1,479' FWL	---
X-14	GRANT #6	440279	2238722	34° 32' 26.21" -97° 12' 26.27"	34.540613 -97.207298	21-1N-1E: TD: 1,505' 1,813' FSL / 1,479' FWL	---
X-15	T. S. GRANT #1	440379	2237982	34° 32' 27.26" -97° 12' 35.12"	34.540908 -97.209755	21-1N-1E: TD: 1,006' 1,917' FSL / 740' FWL	---
X-16	GRANT #1	440771	2238227	34° 32' 31.11" -97° 12' 32.15"	34.541976 -97.208930	21-1N-1E: TD: 1,092' 2,307' FSL / 990' FWL	---
X-17	GRANT #3	440608	2238718	34° 32' 29.47" -97° 12' 26.29"	34.541520 -97.207303	21-1N-1E: TD: 1,500' 2,143' FSL / 1,479' FWL	---
X-18	GRANT #4	440277	2238398	34° 32' 26.22" -97° 12' 30.15"	34.540616 -97.208375	21-1N-1E: TD: 907' 1,813' FSL / 1,155' FWL	---
X-19	GRANT #8	439107	2241702	34° 32' 14.38" -97° 11' 50.77"	34.537329 -97.197436	21-1N-1E: TD: 1,130' 625' FSL / 825' FEL	---
X-20	YOUNGBLOOD #1	439823	2239061	34° 32' 19.69" -97° 12' 22.29"	34.538803 -97.206192	21-1N-1E: TD: 1,506' 1,155' FSL / 1,809' FWL	---
X-21	CARR #1	440130	2241524	34° 32' 24.52" -97° 11' 52.80"	34.540144 -97.197999	21-1N-1E: TD: 1,476' 1,649' FSL / 990' FEL	---
X-22	JOHN BUTTERLY #1	441272	2239370	34° 32' 35.99" -97° 12' 18.44"	34.543330 -97.205122	21-1N-1E: TD: 1,186' 2,473' FNL / 2,139' FWL	---
X-23	GRANT #1	439357	2238079	34° 32' 17.14" -97° 12' 34.04"	34.538096 -97.209457	21-1N-1E: TD: 1,600' 895' FSL / 825' FWL	---
X-24	GRANT #1	440942	2239374	34° 32' 32.72" -97° 12' 18.42"	34.542423 -97.205116	21-1N-1E: TD: 1,476' 2,473' FSL / 2,139' FWL	---
X-25	JONES #1	441923	2237717	34° 32' 42.55" -97° 12' 38.13"	34.545152 -97.210592	21-1N-1E: TD: 1,366' 1,812' FNL / 495' FWL	---
X-26	KENNEDY #5	441266	2238221	34° 32' 36.01" -97° 12' 32.18"	34.543338 -97.208938	21-1N-1E: TD: 1,195' 2,473' FNL / 990' FWL	---
X-27	JONES #1	442087	2237850	34° 32' 44.18" -97° 12' 40.11"	34.545807 -97.211142	21-1N-1E: TD: 3,675' 1,647' FNL / 330' FWL	---
X-28	KENNEDY #1	441593	2237722	34° 32' 39.28" -97° 12' 38.11"	34.544245 -97.210587	21-1N-1E: TD: 1,235' 2,142' FNL / 495' FWL	---

Certificate of Authorization No. 7318



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

CURRENT REV.: 0

EXHIBIT: A (11 of 14)

SHEET: 8.5x14

SHL: 17-1N-1E

BHL-1: 22-1N-1E

PETRO LAND SERVICES SOUTH, LLC

14612 HERTZ QUAIL SPRINGS PKWY, OKLA. CITY, OKLA. 73134 * OFFICE (405) 212-3108

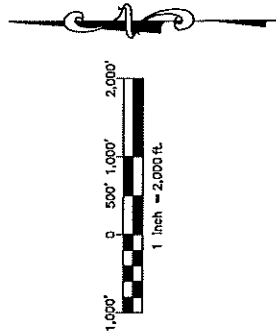
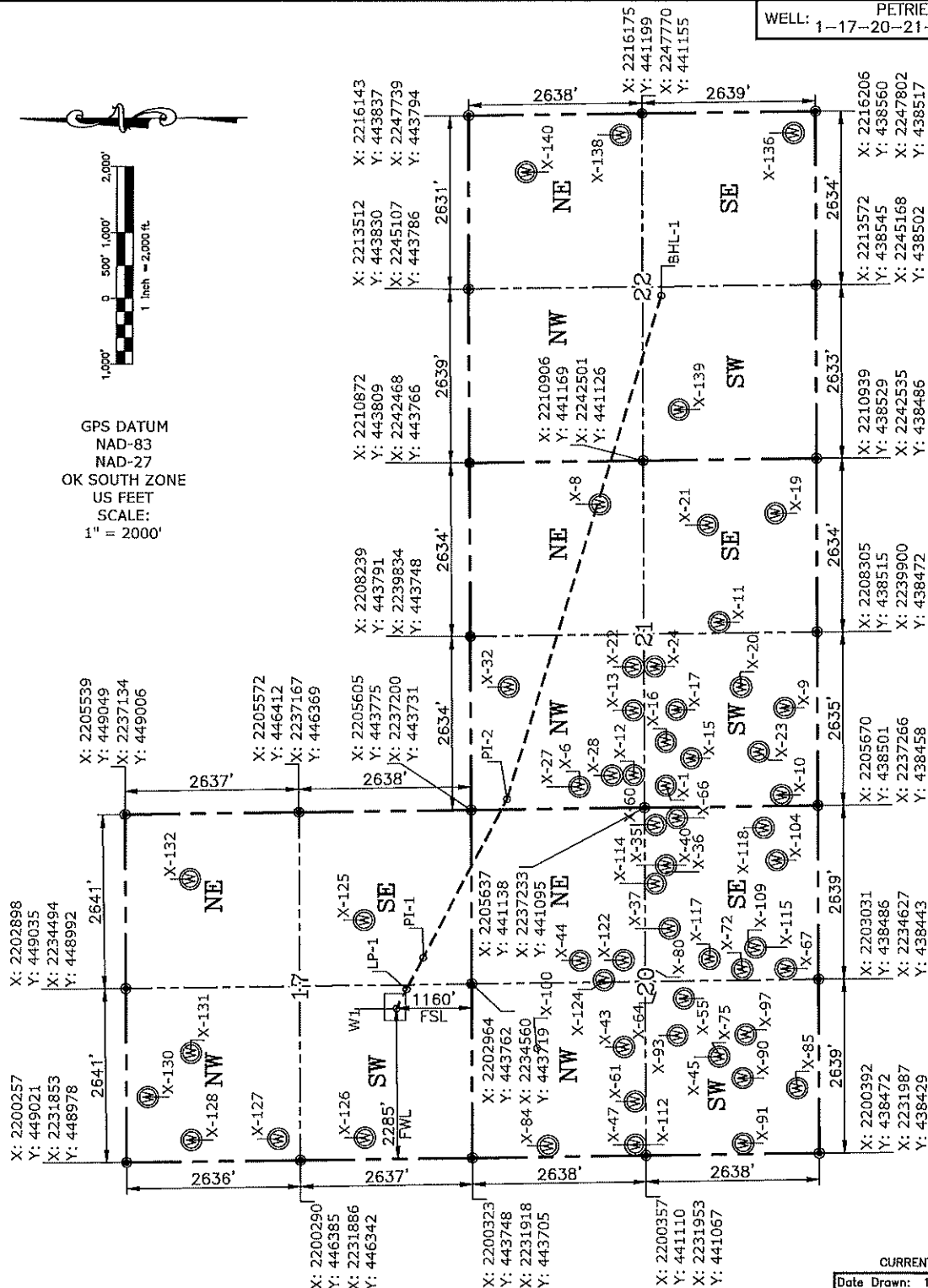
Certificate of Authorization No. 7318

CONTINENTAL
RESOURCES, INC.
(OPERATOR)

GARVIN

County Oklahoma

1160' FSL-2285' FWL Section 17 Township 1N Range 1E I.M.

WELL: PETRIE
1-17-20-21-22XHWGPS DATUM
NAD-83
NAD-27
OK SOUTH ZONE
US FEET
SCALE:
1" = 2000'

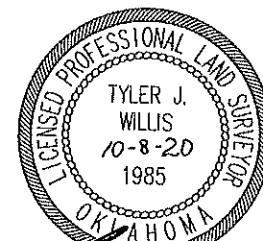
CURRENT REV: 0

Date Drawn: 10-8-20

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, TYLER J. WILLIS, 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.1985 DATE

Oklahoma PLS No. 1985 DATE