

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

API NUMBER: 051 24509

Approval Date: 11/01/2018

Expiration Date: 05/01/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 7N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ NW ☐ SE ☐ NE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 1680 438

Lease Name: WALTERS WEST

Well No: 4-27-34-3-10XHS

Well will be 438 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

CONTINENTAL RESOURCES INC.
P.O. BOX 269000
OKLAHOMA CITY OK 73126

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

	Name	Depth	Name	Depth
1	MORROW	11904	6	
2	SPRINGER	12104	7	
3	MISSISSIPPIAN	13300	8	
4	CANEY	13304	9	
5			10	

Spacing Orders: 160624
583476
611441
116468
581844

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808020
201808022
201808008
201808011
201808012
201808014

Special Orders:

Total Depth: 25611

Ground Elevation: 1129

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 540

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: 18-35434

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 1 INFORMATION

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

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 10 Twp 6N Rge 6W County GRADY

Spot Location of End Point: SW SW NE NE

Feet From: NORTH 1/4 Section Line: 1200

Feet From: EAST 1/4 Section Line: 1100

Depth of Deviation: 11953

Radius of Turn: 382

Direction: 186

Total Length: 13058

Measured Total Depth: 25611

True Vertical Depth: 13304

End Point Location from Lease,
Unit, or Property Line: 1100

Notes:

Category

Description

DEEP SURFACE CASING

10/29/2018 - GA8 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

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.

051 24509 WALTERS WEST 4-27-34-3-10XH5

Category	Description
HYDRAULIC FRACTURING	<p>10/29/2018 - GA8 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
MEMO	<p>10/29/2018 - GA8 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - BITTER CREEK); PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT</p>
PENDING CD - 201808008	<p>10/29/2018 - G75 - 27-7N-6W X160624 SPRG 5 WELLS CONTINENTAL RESOURCES, INC. REC 10-23-2018 (MINMIER)</p>
PENDING CD - 201808011	<p>10/29/2018 - G75 - 34-7N-6W X160624 SPRG 4 WELLS CONTINENTAL RESOURCES, INC. REC 10-23-2018 (MINMIER)</p>
PENDING CD - 201808012	<p>10/29/2018 - G75 - 3-6N-6W X116468 SPRG 3 WELLS CONTINENTAL RESOURCES, INC. REC 10-23-2018 (MINMIER)</p>
PENDING CD - 201808014	<p>10/29/2018 - G75 - 10-6N-6W X116468 SPRG 5 WELLS CONTINENTAL RESOURCES, INC. REC 10-23-2018 (MINMIER)</p>
PENDING CD - 201808020	<p>10/29/2018 - G75 - (I.O.) 27 & 34-7N-6W, 3 & 10-6N-6W EST MULTIUNIT HORIZONTAL WELL X160624 MRRW, SPRG 27-7N-6W X583476 CNEY 27-7N-6W X160624 MRRW, SPRG 34-7N-6W X611441 MSSP 34-7N-6W X116468 MRRW, SPRG 3-6N-6W X581844 CNEY 3-6N-6W X116468 SPRG 10-6N-6W (MRRW, CNEY, MSSP ADJACENT COMMON SOURCES OF SUPPLY TO SPRG) 12% 27-7N-6W 39% 34-7N-6W 39% 3-6N-6W 10% 10-6N-6W CONTINENTAL RESOURCES, INC. REC 10-23-2018 (MINMIER)</p>
PENDING CD - 201808022	<p>10/29/2018 - G75 - (I.O.) 27 & 34-7N-6W, 3 & 10-6N-6W X160624 MRRW, SPRG 27-7N-6W X583476 CNEY 27-7N-6W X160624 MRRW, SPRG 34-7N-6W X611441 MSSP 34-7N-6W X116468 MRRW, SPRG 3-6N-6W X581844 CNEY 3-6N-6W X116468 SPRG 10-6N-6W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO AC WALTERS 4-27-22XHS OR OTHER PROPOSED WELLS COMPL. INT. (27-7N-6W) NFT 2640' FSL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (34-7N-6W) NCT 0' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (3-6N-6W) NCT 0' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (10-6N-6W) NCT 0' FNL, NCT 2640' FSL, NCT 330' FEL CONTINENTAL RESOURCES, INC. REC 10-23-2018 (MINMIER)</p>

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 - 116468	10/29/2018 - G75 - (640) 3 & 10-6N-6W VAC OTHER EST MRRW, SPRG, OTHERS
SPACING - 160624	10/29/2018 - G75 - (640) 27 & 34-7N-6W EXT 123130/155263 MRRW, SPRG, OTHERS
SPACING - 581844	10/29/2018 - G75 - (640) 3-6N-6W EST CNEY, OTHER
SPACING - 583476	10/29/2018 - G75 - (640) 27-7N-6W EXT 579577 CNEY, OTHERS
SPACING - 611441	10/29/2018 - G75 - (640) 34-7N-6W EXT OTHER EXT 153801 MSSP

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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: 27-7N-6W
BHL-1 22-7N-6W
BHL-2 10-6N-6W



API 051-24509

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 27 Township 7N Range 6W I.M.

Well: AC WALTERS 4-27-22XHS

County GRADY State OK

Well: WALTERS WEST
4-27-34-3-10XHS

Operator CONTINENTAL RESOURCES, INC.

NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	AC WALTERS 4-27-22XHS	624333	2024469	35° 02' 55.43" -97° 48' 46.84"	35.048730 -97.813010	1680' FSL / 468' FEL (PART OF SE/4 SEC 27)	1125.24'	1128.81'
LP-1	LANDING POINT	624330	2023837	35° 02' 55.41" -97° 48' 54.44"	35.048725 -97.815122	1680' FSL / 1100' FEL (SE/4 SEC 27)	--	--
BHL-1	BOTTOM HOLE LOCATION	633157	2023805	35° 04' 22.72" -97° 48' 54.62"	35.072978 -97.815173	50' FNL / 1100' FEL (NE/4 SEC 22)	--	--
W2	WALTERS WEST 4-27-34-3-10XHS	624333	2024498	35° 02' 55.43" -97° 48' 46.48"	35.048730 -97.812911	1680' FSL / 438' FEL (PART OF SE/4 SEC 27)	1124.05'	1128.81'
LP-2	LANDING POINT	624331	2023837	35° 02' 55.43" -97° 48' 54.44"	35.048730 -97.815122	1680' FSL / 1100' FEL (SE/4 SEC 27)	--	--
BHL-2	BOTTOM HOLE LOCATION	610856	2023857	35° 00' 42.15" -97° 48' 54.50"	35.011707 -97.815138	1200' FNL / 1100' FEL (NE/4 SEC 10)	--	--
X-1	S.P. BEDINGFIELD #1	629901	2022930	35° 03' 50.53" -97° 49' 05.23"	35.064036 -97.818119	22-7N-6W: NW4SE4 TD: 9,900' 1,980' FSL / 660' FWL	--	--
X-2	WALTERS #1-22H	628123	2023264	35° 03' 32.94" -97° 49' 01.24"	35.059150 -97.817011	22-7N-6W: S2SE4SW4SE4 TD: 17,692' 200' FSL / 1,650' FEL	--	--
X-3	GALA #1-22H	628213	2020260	35° 03' 33.89" -97° 49' 37.37"	35.059413 -97.827048	22-7N-6W: SE4SW4SW4SW4 TD: 17,120' 300' FSL / 630' FWL	--	--
X-4	ROBINSON #3-15-10-3XHS	632852	2020735	35° 04' 19.75" -97° 49' 31.56"	35.072154 -97.825435	22-7N-6W: SE4NE4NW4NW4 TD: 25,383' 344' FNL / 1,100' FWL	--	--
X-5	ROBINSON #4-15-10-3XHS	632882	2020735	35° 04' 20.05" -97° 49' 31.56"	35.072237 -97.825434	22-7N-6W: NE4NE4NW4NW4 TD: 25,094' 314' FNL / 1,100' FWL	--	--
X-6	IGO #1-27H	622903	2024615	35° 02' 41.29" -97° 48' 45.11"	35.044802 -97.812530	27-7N-6W: S2SE4SE4SE4 TD: 18,160' 250' FSL / 330' FEL	--	--
X-7	A.C. WALTERS #1-27H	622934	2020316	35° 02' 41.67" -97° 49' 36.81"	35.044907 -97.826891	27-7N-6W: SW4SE4SW4SW4 TD: 16,924' 295' FSL / 662' FWL	--	--
X-8	GUTHRY #1-34H	617919	2022507	35° 01' 52.03" -97° 49' 10.57"	35.031118 -97.819602	34-7N-6W: NW4SW4SW4SE4 TD: 17,801' 554' FSL / 2,442' FEL	--	--
X-9	NANCY J #1-28H	622253	2019880	35° 02' 34.94" -97° 49' 42.07"	35.043038 -97.828352	34-7N-6W: SW4NW4NW4NW4 TD: 18,181' 385' FNL / 225' FWL	--	--
X-10	DRIFTWOOD NORTH #1-34SWD	618938	2024199	35° 02' 02.07" -97° 48' 50.21"	35.033909 -97.813946	34-7N-6W: SE4SW4NE4SE4 TD: 7,000' 1,570' FSL / 750' FEL	--	--
X-11	HENDRIX #1-3H	612245	2021309	35° 00' 55.92" -97° 49' 25.09"	35.015534 -97.823637	3-6N-6W: S2SW4SE4SW4 TD: 18,503' 200' FSL / 1,650' FWL	--	--
X-12	TAMARA #1-3H	612345	2020239	35° 00' 56.93" -97° 49' 37.96"	35.015814 -97.827210	3-6N-6W: SE4SW4SW4SW4 TD: 18,503' 305' FSL / 580' FWL	--	--
X-13	ISAAC TAYLOR 0606 #2-15-10WXH	610877	2020642	35° 00' 42.40" -97° 49' 33.14"	35.011779 -97.825872	10-6N-6W: SW4SE4NW4NW4 TD: 23,422' 1,165' FNL / 980' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 07-24-18
Date Drawn: 07-16-18



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	07-16-18	MJL	ISSUED FOR APPROVAL	--
01	09-12-18	TJW	REV'D BHL	REV'D ALL EXHIBITS
02	10-04-18	MJL	REV'D BHL	REV'D EXHIBITS A (1 THRU 4)

EXHIBIT: A (2 of 4)
 SHEET: 8.5x11
 SHL: 27-7N-6W
 BHL-1 22-7N-6W
 BHL-2 10-6N-6W



COVER SHEET CONTINUED...

CONTINENTAL RESOURCES, INC.

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

Section 27 Township 7N Range 6W I.M.

Well: AC WALTERS 4-27-22XHS

County GRADY State OK

Well: WALTERS WEST
4-27-34-3-10XHS

Operator CONTINENTAL RESOURCES, INC.

NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	AC WALTERS 4-27-22XHS	624291	2056065	35° 02' 55.19" -97° 48' 45.69"	35.048664 -97.812691	1680' FSL / 468' FEL (PART OF SE/4 SEC 27)	1125.24'	1128.81'
LP-1	LANDING POINT	624288	2055433	35° 02' 55.17" -97° 48' 53.29"	35.048659 -97.814803	1680' FSL / 1100' FEL (SE/4 SEC 27)	--	--
BHL-1	BOTTOM HOLE LOCATION	633115	2055402	35° 04' 22.48" -97° 48' 53.47"	35.072912 -97.814854	50' FNL / 1100' FEL (NE/4 SEC 22)	--	--
W2	WALTERS WEST 4-27-34-3-10XHS	624291	2056095	35° 02' 55.19" -97° 48' 45.33"	35.048664 -97.812592	1680' FSL / 438' FEL (PART OF SE/4 SEC 27)	1124.05'	1128.81'
LP-2	LANDING POINT	624290	2055433	35° 02' 55.19" -97° 48' 53.29"	35.048663 -97.814803	1680' FSL / 1100' FEL (SE/4 SEC 27)	--	--
BHL-2	BOTTOM HOLE LOCATION	610815	2055453	35° 00' 41.90" -97° 48' 53.35"	35.011640 -97.814819	1200' FNL / 1100' FEL (NE/4 SEC 10)	--	--
X-1	S.P. BEDINGFIELD #1	629859	2054526	35° 03' 50.29" -97° 49' 04.08"	35.063970 -97.817800	22-7N-6W:NW4SE4 TD: 9,900' 1,980' FSL / 660' FWL	--	--
X-2	WALTERS #1-22H	628081	2054861	35° 03' 32.70" -97° 49' 00.09"	35.059084 -97.816692	22-7N-6W:S2SE4SW4SE4 TD: 17,692' 200' FSL / 1,650' FEL	--	--
X-3	GALA #1-22H	628172	2051857	35° 03' 33.65" -97° 49' 36.22"	35.059347 -97.826729	22-7N-6W:SE4SW4SW4SW4 TD: 17,120' 300' FSL / 630' FWL	--	--
X-4	ROBINSON #3-15-10-3XHS	632810	2052332	35° 04' 19.52" -97° 49' 30.42"	35.072088 -97.825115	22-7N-6W:SE4NE4NW4NW4 TD: 25,383' 344' FNL / 1,100' FWL	--	--
X-5	ROBINSON #4-15-10-3XHS	632840	2052332	35° 04' 19.81" -97° 49' 30.41"	35.072171 -97.825115	22-7N-6W:NE4NE4NW4NW4 TD: 25,094' 314' FNL / 1,100' FWL	--	--
X-6	IGO #1-27H	622861	2056212	35° 02' 41.05" -97° 48' 43.96"	35.044735 -97.812211	27-7N-6W:S2SE4SE4SE4 TD: 18,160' 250' FSL / 330' FEL	--	--
X-7	A.C. WALTERS #1-27H	622892	2051913	35° 02' 41.43" -97° 49' 35.66"	35.044841 -97.826572	27-7N-6W:SW4SE4SW4SW4 TD: 16,924' 295' FSL / 662' FWL	--	--
X-8	GUTHERY #1-34H	617877	2054104	35° 01' 51.79" -97° 49' 09.42"	35.031052 -97.819283	34-7N-6W:NW4SW4SW4SE4 TD: 17,801' 554' FSL / 2,442' FEL	--	--
X-9	NANCY J #1-28H	622211	2051477	35° 02' 34.70" -97° 49' 40.92"	35.042972 -97.828033	34-7N-6W:SW4NW4NW4NW4 TD: 18,181' 385' FNL / 225' FWL	--	--
X-10	DRIFTWOOD NORTH #1-34SWD	618896	2055795	35° 02' 01.83" -97° 48' 49.06"	35.033843 -97.813627	34-7N-6W:SE4SW4NE4SE4 TD: 7,000' 1,570' FSL / 750' FEL	--	--
X-11	HENDRIX #1-3H	612203	2052906	35° 00' 55.68" -97° 49' 23.95"	35.015467 -97.823318	3-6N-6W:S2SW4SE4SW4 TD: 18,503' 200' FSL / 1,650' FWL	--	--
X-12	TAMARA #1-3H	612303	2051836	35° 00' 56.69" -97° 49' 36.81"	35.015747 -97.826892	3-6N-6W:SE4SW4SW4SW4 TD: 18,503' 305' FSL / 580' FWL	--	--
X-13	ISAAC TAYLOR 0606 #2-15-10WXH	610835	2052239	35° 00' 42.16" -97° 49' 31.99"	35.011712 -97.825554	10-6N-6W:SW4SE4NW4NW4 TD: 23,422' 1,165' FNL / 980' FWL	--	--

EXHIBIT: A (4 of 4)
SHEET: 8.5x14
SHL: 27-7N-6W
BHL-2 10-6N-6W

PETRO LAND SERVICES SOUTH, LLC

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



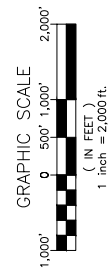
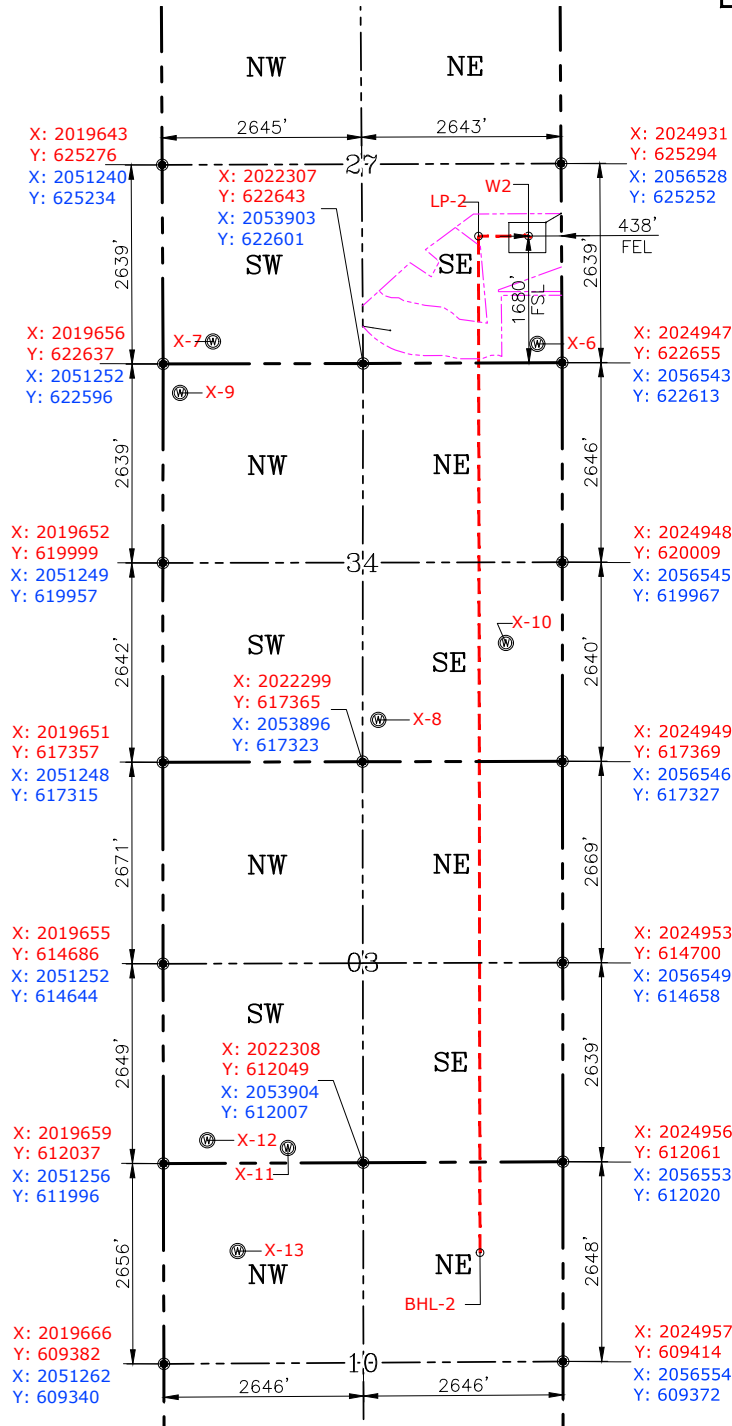
CONTINENTAL
RESOURCES, INC.
(OPERATOR)

GRADY

County Oklahoma

1680' FSL-438' FEL Section 27 Township 7N Range 6W I.M.

WELL: WALTERS WEST
4-27-34-3-10XHS



GPS DATUM
NAD-83
NAD-27
OK SOUTH ZONE
US FEET
SCALE:
1" = 2000'

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 Drawn: 07-16-18

CURRENT REV.: 2



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