

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

API NUMBER: 051 24485

Approval Date: 09/21/2018

Expiration Date: 03/21/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 7N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ NE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 475 690

Lease Name: WHEELER FARMS

Well No: 3-36-1XHS

Well will be 475 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

SHAWN R. & DONNA K. LEDFORD  
P.O. BOX 404  
CHICKASHA OK 73023

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

	Name	Depth	Name	Depth
1	SPRINGER	11844	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 583128  
153801

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806715  
201806366  
201806367  
201806363  
201806364  
201807684

Special Orders:

Total Depth: 21804

Ground Elevation: 1237

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 310

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: 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

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

PERMIT NO: 18-35059

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: CHICKASHA

## HORIZONTAL HOLE 1

Sec 01 Twp 6N Rge 6W County GRADY

Spot Location of End Point: SW SW SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1000

Depth of Deviation: 11536

Radius of Turn: 382

Direction: 185

Total Length: 9668

Measured Total Depth: 21804

True Vertical Depth: 12281

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

9/5/2018 - GA3 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

#### HYDRAULIC FRACTURING

9/5/2018 - GA3 - 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)

#### MEMO

9/5/2018 - GA3 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

#### PENDING CD - 201806363

9/19/2018 - G75 - (I.O.) 36-7N-6W & 1-6N-6W  
EST MULTIUNIT HORIZONTAL WELL  
X583128 SPRG 36-7N-6W  
X153801 SPRG 1-6N-6W  
50% 36-7N-6W  
50% 1-6N-6W  
CONTINENTAL RESOURCES, INC.  
REC 8-28-2018 (JACKSON)

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 24485 WHEELER FARMS 3-36-1XHS

Category	Description
PENDING CD - 201806364	9/19/2018 - G75 - (I.O.) 36-7N-6W & 1-6N-6W X583128 SPRG 36-7N-6W X153801 SPRG 1-6N-6W COMPL. INT. (36-7N-6W) NCT 150' FNL, NCT 0' FSL, NCT 660' FEL COMPL. INT. (1-6N-6W) NCT 0' FNL, NCT 150' FSL, NCT 660' FEL CONTINENTAL RESOURCES, INC. REC 8-28-2018 (JACKSON)
PENDING CD - 201806366	9/19/2018 - G75 - (I.O.) 1-6N-6W X165:10-3-28(C)(2)(B) SPRG (WHEELER FARMS 3-36-1XHS) MAY BE CLOSER THAN 600' TO WHEELER 1-1 CONTINENTAL RESOURCES, INC. REC 8-28-2018 (JACKSON)
PENDING CD - 201806367	9/19/2018 - G75 - 1-6N-6W X153801 SPRG 3 WELLS NO OP. NAMED REC 8-28-2018 (JACKSON)
PENDING CD - 201806715	9/19/2018 - G75 - (I.O.) 36-7N-6W X165:10-3-28(C)(2)(B) SPRG (WHEELER FARMS 3-36-1XHS) MAY BE CLOSER THAN 600' TO PYLE 1-36 CONTINENTAL RESOURCES, INC. REC 9-10-2018 (JACKSON)
PENDING CD - 201807684	9/21/2018 - G75 - 36-7N-6W X583128 SPRG 1 WELL NO OP. NAMED HEARING 10-15-2018
SPACING - 153801	9/19/2018 - G75 - (640) 1-6N-6W EXT OTHERS EXT 106361/147146 SPRG, OTHERS
SPACING - 583128	9/19/2018 - G75 - (640) 36-7N-6W VAC OTHERS EXT 116468 SPRG, OTHER EXT OTHERS

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 4)  
SHEET: 8.5x14  
SHL: 25-7N-6W  
BHL-3 1-6N-6W  
BHL-4 24-7N-6W



API 051-24485

## COVER SHEET

### CONTINENTAL RESOURCES, INC.

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

Section 25 Township 7N Range 6W I.M.

Well: WHEELER FARMS 3-36-1XHS

County GRADY State OK

Well: HART 4-25-24XHS

Operator CONTINENTAL RESOURCES, INC.

NAD-83								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W3	WHEELER FARMS 3-36-1XHS	623156	2034807	35° 02' 43.59" -97° 46' 42.53"	35.045441 -97.778480	475' FSL / 690' FEL (PART OF SE/4 SEC 25)	1238.86	1236.70
LP-3	LANDING POINT	622630	2034498	35° 02' 38.39" -97° 46' 46.26"	35.043997 -97.779516	50' FNL / 1000' FEL (NE/4 SEC 36)	--	--
BHL-3	BOTTOM HOLE LOCATION	612142	2034518	35° 00' 54.65" -97° 46' 46.29"	35.015180 -97.779525	50' FSL / 1000' FEL (SE/4 SEC 01)	--	--
W4	HART 4-25-24XHS	623156	2034837	35° 02' 43.59" -97° 46' 42.17"	35.045441 -97.778379	475' FSL / 660' FEL (PART OF SE/4 SEC 25)	1238.95	1236.70
LP-4	LANDING POINT	623386	2034836	35° 02' 45.86" -97° 46' 42.16"	35.046072 -97.778379	705' FSL / 660' FEL (SE/4 SEC 25)	--	--
BHL-4	BOTTOM HOLE LOCATION	633208	2034811	35° 04' 23.01" -97° 46' 42.21"	35.073057 -97.778391	50' FNL / 660' FEL (NE/4 SEC 24)	--	--
X-1	E.W. NUNN #1	629283	2034148	35° 03' 44.20" -97° 46' 50.29"	35.062278 -97.780636	24-7N-6W:SE4   TD: 14,282'   1,320' FSL / 1,320' FWL	--	--
X-2	E.W. NUNN #2	631921	2031495	35° 04' 10.34" -97° 47' 22.13"	35.069539 -97.789481	24-7N-6W:NW4   TD: 7,562'   1,020' FSL / 1,320' FWL	--	--
X-3	RUBY #1-24	632585	2034094	35° 04' 16.86" -97° 46' 50.86"	35.071350 -97.780794	24-7N-6W:N2NE4   TD: 7,600'   1,980' FSL / 1,270' FWL	--	--
X-4	WILLIAMS #1-24H	633064	2032101	35° 04' 21.64" -97° 47' 14.81"	35.072678 -97.787449	24-7N-6W:NE4NW4NE4   TD: 17,226'   210' FNL / 1,925' FWL	--	--
X-5	BIRT #3-13-12XHS	632842	2033844	35° 04' 19.40" -97° 46' 53.85"	35.072056 -97.781626	24-7N-6W:SE4NE4NW4NE4   TD: 21,516'   430' FNL / 1,628' FEL	--	--
X-6	BIRT #4-13-12XHS	632872	2033844	35° 04' 19.70" -97° 46' 53.85"	35.072139 -97.781626	24-7N-6W:SE4NE4NW4NE4   TD: 21,561'   400' FNL / 1,628' FEL	--	--
X-7	WILLIAMS #7-24-13XHW	628153	2032261	35° 03' 33.06" -97° 47' 13.01"	35.059184 -97.786948	24-7N-6W:SW4SE4SE4SE4   TD: 19,931'   194' FSL / 568' FEL	--	--
X-8	CUMMINGS #1-25	626542	2034307	35° 03' 17.08" -97° 46' 48.45"	35.054744 -97.780126	25-7N-6W:NE4   TD: 14,180'   1,220' FSL / 1,470' FWL	--	--
X-9	HART #1-25	624809	2034165	35° 02' 59.95" -97° 46' 50.20"	35.049986 -97.780611	25-7N-6W:S2N2N2SE4   TD: 13,890'   2,130' FSL / 1,320' FWL	--	--
X-10	WILLIAMS #6-25-24-13XHW	626829	2033932	35° 03' 19.93" -97° 46' 52.96"	35.055536 -97.781376	25-7N-6W:SE4SE4NW4NE4   TD: 18,991'   1,134' FNL / 1,556' FEL	--	--
X-11	WHEELER #1-36	620030	2031012	35° 02' 12.74" -97° 47' 28.25"	35.036873 -97.791180	36-7N-6W:W2E2W2W2   TD: 7,750'   2,640' FSL / 790' FWL	--	--
X-12	PYLE #1-36	620729	2034113	35° 02' 19.60" -97° 46' 50.93"	35.038777 -97.780815	36-7N-6W:SE4NE4SW4NE4   TD: 13,290'   1,950' FNL / 1,390' FEL	--	--
X-13	PYLE #1-36-25XH	620242	2032471	35° 02' 14.81" -97° 47' 10.69"	35.037448 -97.786304	36-7N-6W:SW4SE4SE4SW4   TD: 23,081'   207' FSL / 2,250' FWL	--	--
X-14	BBLE KENT CLIFT SWD	#1622414	2033421	35° 02' 36.27" -97° 46' 59.21"	35.043408 -97.783114	36-7N-6W:E2NW4NW4NE4   TD: 6,150'   2,375' FSL / 565' FWL	--	--
X-15	FITZPATRICK #1-1	616061	2034194	35° 01' 33.41" -97° 46' 50.08"	35.025949 -97.780579	1-6N-6W:NE4   TD: 7,750'   1,320' FSL / 1,320' FWL	--	--
X-16	FITZPATRICK #1-1	616040	2031546	35° 01' 33.27" -97° 47' 21.92"	35.025909 -97.789423	1-6N-6W:NW4   TD: 7,815'   1,320' FSL / 1,320' FWL	--	--
X-17	WHEELER #1-1	612895	2035188	35° 01' 02.08" -97° 47' 38.22"	35.017246 -97.777282	1-6N-6W:NE4SE4SE4   TD: 13,600'   800' FSL / 330' FEL	--	--
X-18	HATFIELD RANCH #1-1H	612374	2031000	35° 00' 57.02" -97° 47' 28.58"	35.015838 -97.791272	1-6N-6W:SW4SE4SW4SW4   TD: 17,996'   300' FSL / 760' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: \*\*--\*\*--18  
Date Drawn: 07-20-18



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

#### REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	07-20-18	MJL	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 4)  
SHEET: 8.5x14  
SHL: 25-7N-6W  
BHL-3 1-6N-6W  
BHL-4 24-7N-6W



## COVER SHEET

### CONTINENTAL RESOURCES, INC.

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

Section 25 Township 7N Range 6W I.M.

Well: WHEELER FARMS 3-36-1XHS

County GRADY State OK

Well: HART 4-25-24XHS

Operator CONTINENTAL RESOURCES, INC.

NAD-27								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W3	WHEELER FARMS 5-36-1XHS	623114	2066404	35° 02' 43.35" -97° 46' 41.38"	35.045374 -97.778162	475' FSL / 690' FEL (PART OF SE/4 SEC 25)	1238.86	1236.70
LP-3	LANDING POINT	622588	2066095	35° 02' 38.15" -97° 46' 45.11"	35.043931 -97.779198	50' FNL / 1000' FEL (NE/4 SEC 36)	--	--
BHL-3	BOTTOM HOLE LOCATION	612100	2066115	35° 00' 54.40" -97° 46' 45.14"	35.015112 -97.779207	50' FSL / 1000' FEL (SE/4 SEC 01)	--	--
W4	HART 4-25-24XHS	623114	2066434	35° 02' 43.35" -97° 46' 41.02"	35.045374 -97.778061	475' FSL / 660' FEL (PART OF SE/4 SEC 25)	1238.95	1236.70
LP-4	LANDING POINT	623344	2066433	35° 02' 45.62" -97° 46' 41.02"	35.046006 -97.778061	705' FSL / 660' FEL (SE/4 SEC 25)	--	--
BHL-4	BOTTOM HOLE LOCATION	633166	2066408	35° 04' 22.77" -97° 46' 41.06"	35.072991 -97.778073	50' FNL / 660' FEL (NE/4 SEC 24)	--	--
X-1	E.W. NUNN #1	629241	2065745	35° 03' 43.96" -97° 46' 49.14"	35.062212 -97.780318	24-7N-6W:SE4   TD: 14,282'   1,320' FSL / 1,320' FWL	--	--
X-2	E.W. NUNN #2	631878	2063092	35° 04' 10.10" -97° 47' 20.99"	35.069473 -97.789163	24-7N-6W:NW4   TD: 7,562'   1,020' FSL / 1,320' FWL	--	--
X-3	RUBY #1-24	632543	2065690	35° 04' 16.62" -97° 46' 49.71"	35.071284 -97.780475	24-7N-6W:N2NE4   TD: 7,600'   1,980' FSL / 1,270' FWL	--	--
X-4	WILLIAMS #1-24H	633022	2063698	35° 04' 21.40" -97° 47' 13.67"	35.072611 -97.787130	24-7N-6W:NE4NW4NE4NW4   TD: 17,226'   210' FNL / 1,925' FWL	--	--
X-5	BIRT #3-13-12XHS	632800	2065441	35° 04' 19.16" -97° 46' 52.71"	35.071990 -97.781308	24-7N-6W:SE4NE4NW4NE4   TD: 21,516'   430' FNL / 1,628' FEL	--	--
X-6	BIRT #4-13-12XHS	632830	2065441	35° 04' 19.46" -97° 46' 52.71"	35.072072 -97.781308	24-7N-6W:SE4NE4NW4NE4   TD: 21,561'   400' FNL / 1,628' FEL	--	--
X-7	WILLIAMS #7-24-13XHW	628111	2063858	35° 03' 32.82" -97° 47' 11.87"	35.059118 -97.786629	24-7N-6W:SW4SE4SE4SE4   TD: 19,931'   194' FSL / 568' FEL	--	--
X-8	CUMMINGS #1-25	626500	2065904	35° 03' 16.84" -97° 46' 47.31"	35.054678 -97.779808	25-7N-6W:NE4   TD: 14,180'   1,220' FSL / 1,470' FWL	--	--
X-9	HART #1-25	624767	2065762	35° 02' 59.71" -97° 46' 49.06"	35.049920 -97.780293	25-7N-6W:S2N2N2SE4   TD: 13,890'   2,130' FSL / 1,320' FWL	--	--
X-10	WILLIAMS #6-25-24-13XHW	626787	2065529	35° 03' 19.69" -97° 46' 51.81"	35.055469 -97.781058	25-7N-6W:SE4SE4NW4NE4   TD: 18,991'   1,134' FNL / 1,556' FEL	--	--
X-11	WHEELER #1-36	619988	2062608	35° 02' 12.50" -97° 47' 27.10"	35.036806 -97.790862	36-7N-6W:W2E2W2W2   TD: 7,750'   2,640' FSL / 790' FWL	--	--
X-12	PYLE #1-36	620687	2065710	35° 02' 19.35" -97° 46' 49.79"	35.038710 -97.780497	36-7N-6W:SE4NE4SW4NE4   TD: 13,290'   1,950' FNL / 1,390' FEL	--	--
X-13	PYLE #1-36-25XH	620200	2064068	35° 02' 14.57" -97° 47' 09.55"	35.037381 -97.785986	36-7N-6W:SW4SE4SE4SW4   TD: 23,081'   207' FSL / 2,250' FWL	--	--
X-14	BBLE KENT CLIFT SWD #1622372	6205018	2065018	35° 02' 36.03" -97° 46' 58.06"	35.043341 -97.782795	36-7N-6W:E2N4NW4NE4   TD: 6,150'   2,375' FSL / 565' FWL	--	--
X-15	FITZPATRICK #1-1	616019	2065791	35° 01' 33.17" -97° 46' 48.94"	35.025881 -97.780261	1-6N-6W:NE4   TD: 7,750'   1,320' FSL / 1,320' FWL	--	--
X-16	FITZPATRICK #1-1	615999	2063143	35° 01' 33.03" -97° 47' 20.78"	35.025842 -97.789105	1-6N-6W:NW4   TD: 7,815'   1,320' FSL / 1,320' FWL	--	--
X-18	WHEELER #1-1	612332	2062597	35° 00' 56.78" -97° 47' 27.43"	35.015771 -97.790954	1-6N-6W:NE4SE4SE4   TD: 13,600'   800' FSL / 330' FEL	--	--
X-17	HATFIELD RANCH #1-1H	612853	2066785	35° 01' 01.84" -97° 46' 37.07"	35.017178 -97.776965	1-6N-6W:SW4SE4SW4SW4   TD: 17,996'   300' FSL / 760' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: \*\*--\*\*--18  
Date Drawn: 07-20-18



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

#### REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	07-20-18	MJL	ISSUED FOR APPROVAL	--

EXHIBIT: A (3 of 4)  
SHEET: 8.5x14  
SHL: 25-7N-6W  
BHL-3 1-6N-6W

**PETRO LAND SERVICES SOUTH, LLC**

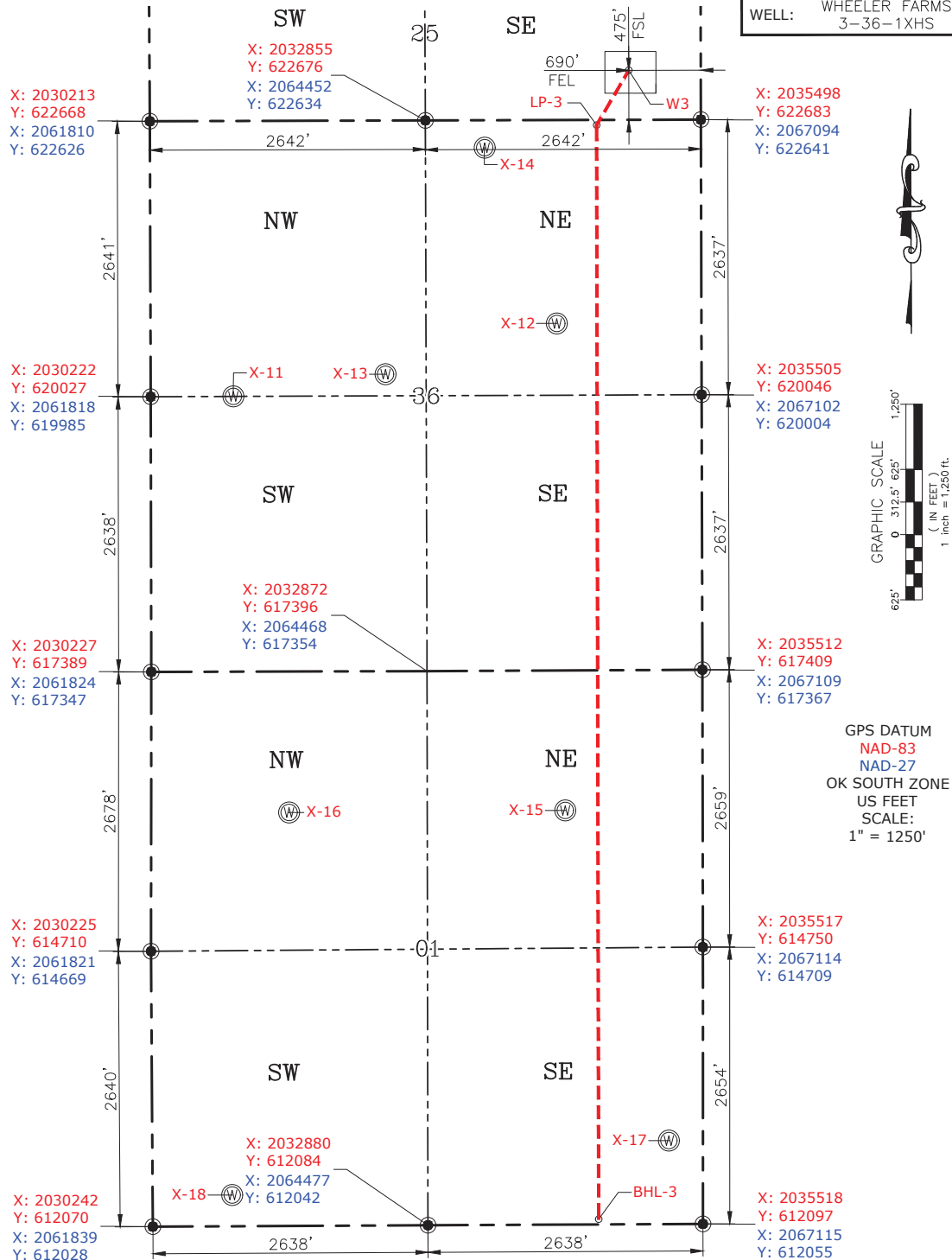
10400 VINEYARD BLVD. SUITE C, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108  
Certificate of Authorization No. 7318



CONTINENTAL  
RESOURCES, INC.  
(OPERATOR)

GRADY County Oklahoma  
475' FSL-690' FEL Section 25 Township 7N Range 6W I.M.

WELL: WHEELER FARMS  
3-36-1XHS



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, **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.

Date Staked: \*\*--\*\*--18  
Date Drawn: 07-20-18

CURRENT REV.: 0



*Randall J. Bilyeu*  
Oklahoma PLS No.1196 DATE