

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

API NUMBER: 051 24714

Approval Date: 09/13/2019

Expiration Date: 03/13/2021

Horizontal Hole
Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 6N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 310 1630

Lease Name: MCBRYDE FIU

Well No: 4-23-26XHW

Well will be 310 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

NOVIS HARMON
339 S CHERRY AVE
TUCSON AZ 85719

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11610	6	
2	WOODFORD	11855	7	
3			8	
4			9	
5			10	

Spacing Orders: 622571
147146
190352
167964
170489

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201904105
201904104
201904098
201904099

Special Orders:

Total Depth: 21850

Ground Elevation: 1157

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 260

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: 19-36917

H. SEE MEMO

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.

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 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

HORIZONTAL HOLE 1

Sec 26 Twp 6N Rge 5W County GRADY

Spot Location of End Point: S2 SE SE SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2310

Depth of Deviation: 11378

Radius of Turn: 596

Direction: 192

Total Length: 9535

Measured Total Depth: 21850

True Vertical Depth: 11974

End Point Location from Lease,

Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

8/23/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

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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.

051 24714 MCBRYDE FIU 4-23-26XHW

HYDRAULIC FRACTURING

8/23/2019 - 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

MEMO

8/23/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - LAFLIN CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201904098

9/13/2019 - GC4 - 23-6N-5W
X190352 WDFD
5 WELLS
NO OP. NAMED
REC. 9-3-2019 (PRESLAR)

PENDING CD - 201904099

9/13/2019 - GC4 - 26-6N-5W
X622571 WDFD
5 WELLS
NO OP. NAMED
REC. 9-3-2019 (PRESLAR)

PENDING CD - 201904104

9/13/2019 - GC4 - (I.O.) 23 & 26-6N-5W
EST MULTIUNIT HORIZONTAL WELL
X147146 MSSP 23-6N-5W
X190352 WDFD 23-6N-5W
X167964/170489 MSSP 26-6N-5W
X622571 WDFD 26-6N-5W
(MSSP ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD)
50% 23-6N-5W
50% 26-6N-5W
CONTINENTAL RESOURCES, INC.
REC. 9-3-2019 (PRESLAR)

PENDING CD - 201904105

9/13/2019 - GC4 - (I.O.) 23 & 26-6N-5W
X147146 OTHER 23-6N-5W
X190352 WDFD 23-6N-5W
X167964/170489 OTHER 26-6N-5W
X622571 WDFD 26-6N-5W
X165:10-3-28 WDFD MAY BE CLOSER THAN 600' TO YELLOW SUB 0605-35-2 1WHX, YELLOW SUB 0605-35-2 1MHX, YELLOW SUB 0605-35-2 2WHX, YELLOW SUB 0605-35-2 3WHX, YELLOW SUB 0605-35-2 4WHX, YELLOW SUB 0605-35-2 5WHX, YELLOW SUB 0605-35-2 6WHX
COMPL. INT. (23-6N-5W) NCT 150' FNL, NCT 0' FSL, NCT 1320' FEL, NCT 1320' FWL
COMPL. INT. (26-6N-5W) NCT 0' FNL, NCT 150' FSL, NCT 1320' FWL
CONTINENTAL RESOURCES, INC.
REC. 9-3-2019 (PRESLAR)

SPACING - 147146

9/13/2019 - GC4 - (640) 23-6N-5W
EST MSSP, OTHERS
EXT OTHERS

SPACING - 167964

9/13/2019 - GB1 - (640) 26-6N-5W
EXT OTHER
EXT 147146/153801 MSSP, OTHERS

SPACING - 170489

9/13/2019 - GC4 - NPT PARAGRAPH 1 OF 167964 TO CITE 640 ACRE UNITS

SPACING - 190352

9/13/2019 - GC4 - (640) 23-6N-5W
EST WDFD, OTHERS

SPACING - 622571

9/13/2019 - GC4 - (640) 26-6N-5W
EXT 190352 WDFD, OTHERS

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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 3)
SHEET: 8.5x14
SHL: 23-6N-5W
BHL-4 26-6N-5W
BHL-5 26-6N-5W



API: 05124714

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 23 Township 6N Range 5W I.M.

Well: MCBRYDE FIU 4-23-26XHW

County GRADY State OK

Well: MCBRYDE FIU 5-23-26XHW

Operator CONTINENTAL RESOURCES, INC.

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W4	MCBRYDE FIU 4-23-26XHW	601274	2060283	34° 59' 06.48" -97° 41' 36.92"	34.985135 -97.693590	310' FNL / 1630' FEL (NE/4 SEC 23)	1156.53'	1157.31'
LP-4	LANDING POINT	601532	2059823	34° 59' 09.05" -97° 41' 42.45"	34.985848 -97.695124	50' FNL / 2090' FEL (NE/4 SEC 23)	--	--
PI-4	POINT OF INTERSECT	598934	2058944	34° 58' 43.38" -97° 41' 53.10"	34.978717 -97.698085	2640' FSL / 2310' FWL (SW/4 SEC 23)	--	--
BHL-4	BOTTOM HOLE LOCATION	591053	2058955	34° 57' 25.43" -97° 41' 53.26"	34.957064 -97.698127	50' FSL / 2310' FWL (SW/4 SEC 26)	--	--
W5	MCBRYDE FIU 5-23-26XHW	601274	2060313	34° 59' 06.48" -97° 41' 36.56"	34.985134 -97.693490	310' FNL / 1600' FEL (NE/4 SEC 23)	1157.01'	1157.31'
LP-5	LANDING POINT	601535	2060703	34° 59' 09.06" -97° 41' 31.87"	34.985849 -97.692186	50' FNL / 1210' FEL (NE/4 SEC 23)	--	--
PI-5	POINT OF INTERSECT	598936	2059827	34° 58' 43.38" -97° 41' 42.49"	34.978717 -97.695135	2640' FSL / 2090' FEL (SE/4 SEC 23)	--	--
BHL-5	BOTTOM HOLE LOCATION	591056	2059850	34° 57' 25.43" -97° 41' 42.49"	34.957064 -97.695137	50' FSL / 2090' FEL (SE/4 SEC 26)	--	--
X-1	McBRYDE #1-26-23XH	591360	2061289	34° 57' 28.40" -97° 41' 25.20"	34.957888 -97.690332	26-6N-5W: TD: 19,590' 350' FSL / 650' FEL	--	--
X-2	YELLOW SUB 0605-35-2 #1WHX	591348	2060872	34° 57' 28.29" -97° 41' 30.21"	34.957858 -97.691724	26-6N-5W: TD: 22,625' 339' FSL / 1,067' FEL	--	--
X-3	YELLOW SUB 0605-35-2 #2WHX	591328	2060872	34° 57' 28.09" -97° 41' 30.21"	34.957803 -97.691724	26-6N-5W: TD: 22,675' 319' FSL / 1,067' FEL	--	--
X-4	YELLOW SUB 0605-35-2 #5WHX	591217	2057266	34° 57' 27.10" -97° 42' 13.53"	34.957528 -97.703759	26-6N-5W: TD: 22,900' 219' FSL / 622' FWL	--	--
X-5	YELLOW SUB 0605-35-2 #6WHX	591217	2057241	34° 57' 27.10" -97° 42' 13.83"	34.957528 -97.703843	26-6N-5W: TD: 22,950' 219' FSL / 597' FWL	--	--
X-6	YELLOW SUB 0605-35-2 #3WHX	591244	2058989	34° 57' 27.32" -97° 41' 52.83"	34.957589 -97.698009	26-6N-5W: TD: 22,625' 241' FSL / 2,345' FWL	--	--
X-7	YELLOW SUB 0605-35-2 #4WHX	591244	2058969	34° 57' 27.32" -97° 41' 53.07"	34.957589 -97.698076	26-6N-5W: TD: 22,600' 241' FSL / 2,325' FWL	--	--

NAD-27							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W4	MCBRYDE FIU 4-23-26XHW	601232	2091880	34° 59' 06.24" -97° 41' 35.79"	34.985066 -97.693275	310' FNL / 1630' FEL (NE/4 SEC 23)	1156.53'	1157.31'
LP-4	LANDING POINT	601490	2091419	34° 59' 08.80" -97° 41' 41.31"	34.985779 -97.694609	50' FNL / 2090' FEL (NE/4 SEC 23)	--	--
PI-4	POINT OF INTERSECT	598892	2090540	34° 58' 43.13" -97° 41' 51.97"	34.978648 -97.697770	2640' FSL / 2310' FWL (SW/4 SEC 23)	--	--
BHL-4	BOTTOM HOLE LOCATION	591011	2090551	34° 57' 25.18" -97° 41' 52.12"	34.956994 -97.697812	50' FSL / 2310' FWL (SW/4 SEC 26)	--	--
W5	MCBRYDE FIU 5-23-26XHW	601232	2091910	34° 59' 06.24" -97° 41' 35.43"	34.985065 -97.693175	310' FNL / 1600' FEL (NE/4 SEC 23)	1157.01'	1157.31'
LP-5	LANDING POINT	601493	2092299	34° 59' 08.81" -97° 41' 30.74"	34.985780 -97.691871	50' FNL / 1210' FEL (NE/4 SEC 23)	--	--
PI-5	POINT OF INTERSECT	598894	2091424	34° 58' 43.13" -97° 41' 41.35"	34.978648 -97.694820	2640' FSL / 2090' FEL (SE/4 SEC 23)	--	--
BHL-5	BOTTOM HOLE LOCATION	591014	2091447	34° 57' 25.18" -97° 41' 41.36"	34.956994 -97.694823	50' FSL / 2090' FEL (SE/4 SEC 26)	--	--
X-1	McBRYDE #1-26-23XH	591318	2092886	34° 57' 28.15" -97° 41' 24.06"	34.957819 -97.690018	26-6N-5W: TD: 19,590' 350' FSL / 650' FEL	--	--
X-2	YELLOW SUB 0605-35-2 #1WHX	591306	2092469	34° 57' 28.04" -97° 41' 29.07"	34.957789 -97.691409	26-6N-5W: TD: 22,625' 339' FSL / 1,067' FEL	--	--
X-3	YELLOW SUB 0605-35-2 #2WHX	591286	2092469	34° 57' 27.84" -97° 41' 29.07"	34.957734 -97.691409	26-6N-5W: TD: 22,675' 319' FSL / 1,067' FEL	--	--
X-4	YELLOW SUB 0605-35-2 #5WHX	591175	2088863	34° 57' 26.85" -97° 42' 12.40"	34.957458 -97.703445	26-6N-5W: TD: 22,900' 219' FSL / 622' FWL	--	--
X-5	YELLOW SUB 0605-35-2 #6WHX	591175	2088838	34° 57' 26.85" -97° 42' 12.70"	34.957458 -97.703528	26-6N-5W: TD: 22,950' 219' FSL / 597' FWL	--	--
X-6	YELLOW SUB 0605-35-2 #3WHX	591202	2090586	34° 57' 27.07" -97° 41' 51.70"	34.957519 -97.697694	26-6N-5W: TD: 22,625' 241' FSL / 2,345' FWL	--	--
X-7	YELLOW SUB 0605-35-2 #4WHX	591202	2090566	34° 57' 27.07" -97° 41' 51.94"	34.957519 -97.697761	26-6N-5W: TD: 22,600' 241' FSL / 2,325' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 8-12-19
Date Drawn: 8-7-19



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	8-7-19	HOG	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 3)
SHEET: 8.5x14
SHL: 23-6N-5W
BHL-4 26-6N-5W

PETRO LAND SERVICES SOUTH, LLC

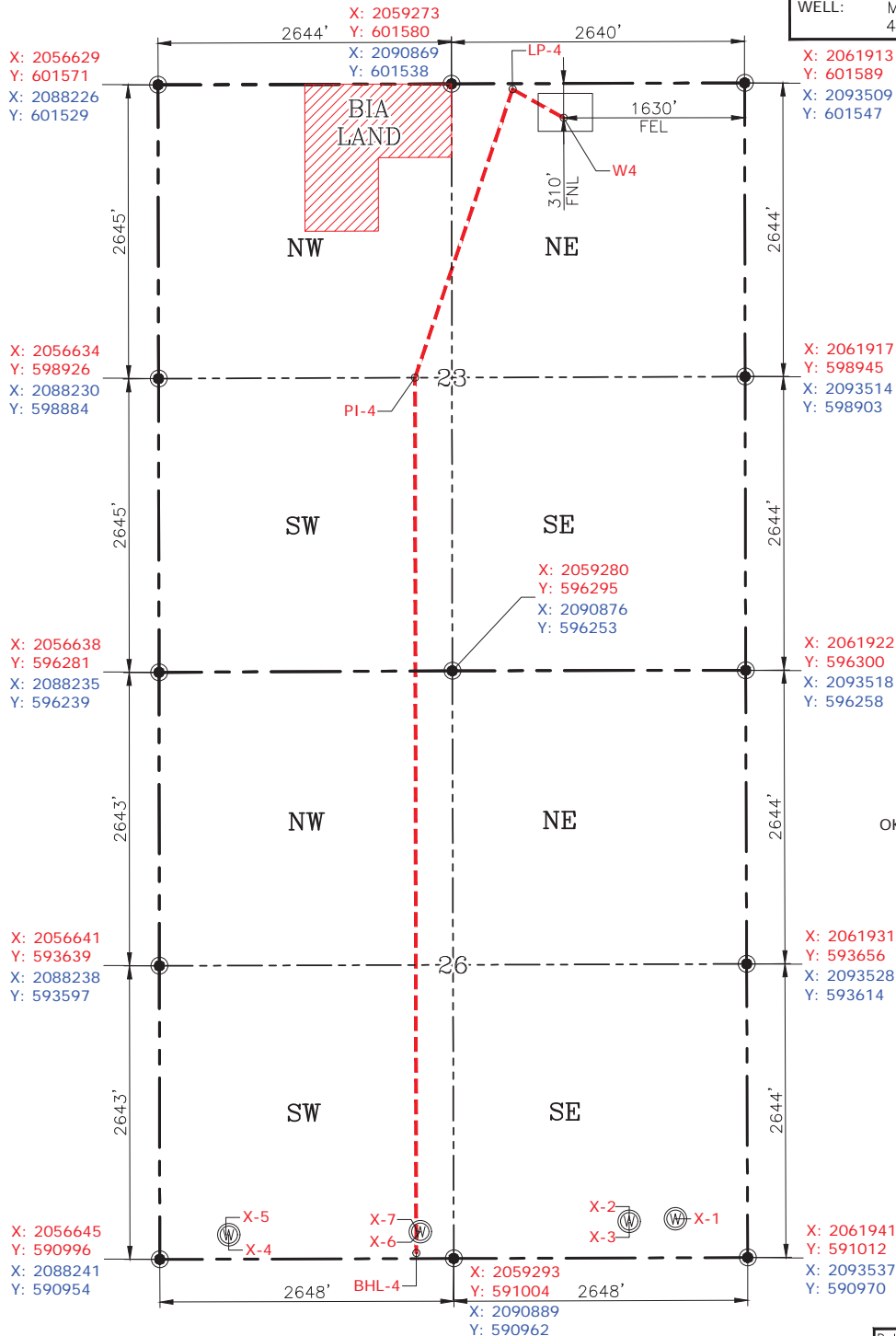
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC.
(OPERATOR)

GRADY _____ County Oklahoma
310' FNL-1630' FEL Section 23 Township 6N Range 5W I.M.

WELL: MCBRYDE FIU
4-23-26XHW



GPS DATUM
NAD-83
NAD-27
OK SOUTH ZONE
US FEET
SCALE:
1" = 1250'

CURRENT REV.: 0

Date Drawn: 8-7-19

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.



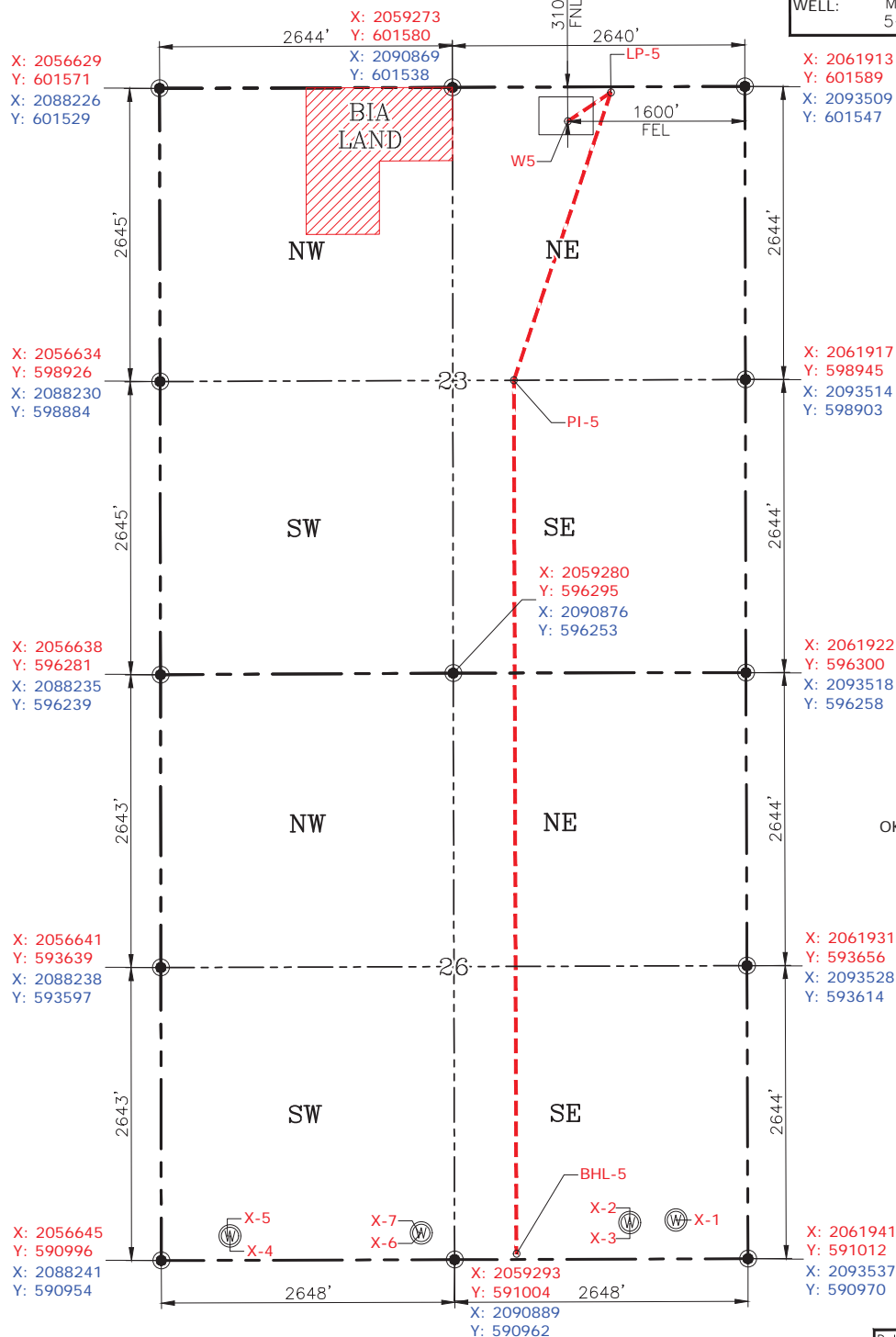
Randall J. Bilyeu

Oklahoma PLS No.1196 DATE

EXHIBIT: A (3 of 3)SHEET: 8.5x14SHL: 23-6N-5WBHL-5 26-6N-5W**PETRO LAND SERVICES SOUTH, LLC**10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318CONTINENTAL
RESOURCES, INC.
(OPERATOR)

GRADY

County Oklahoma

310' FNL-1600' FEL Section 23 Township 6N Range 5W I.M.WELL: MCBRYDE FIU
5-23-26XHW

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.

*Randall J. Bilyeu*

Oklahoma PLS No.1196 DATE