

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

API NUMBER: 011 23864 A

Approval Date: 09/29/2017
Expiration Date: 09/29/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NAME; CHANGE SURFACE LOCATION; CHANGE DISPOSAL METHOD

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 15N Rge: 11W

County: BLAINE

SPOT LOCATION: NW NE NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 280 693

Lease Name: HOMSEY

Well No: 3-22-27XHM

Well will be 280 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

RODNEY E. & CAROL A. COWAN
85455 NORTH 2600 ROAD
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPI	11210	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 579436
578803
667042

Location Exception Orders: 667747

Increased Density Orders: 664809
667797

Pending CD Numbers:

Special Orders:

Total Depth: 21584

Ground Elevation: 1455

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 70

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: 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 17-33175

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 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 27 Twp 15N Rge 11W County BLAINE

Spot Location of End Point: S2 SE SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 990

Depth of Deviation: 11062

Radius of Turn: 485

Direction: 177

Total Length: 9760

Measured Total Depth: 21584

True Vertical Depth: 12090

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

Notes:

Category

Description

DEEP SURFACE CASING

9/19/2017 - 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

HYDRAULIC FRACTURING

9/19/2017 - 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

INCREASED DENSITY - 664809

9/28/2017 - G60 - 22-15N-11W
X579436 MISS
9 WELLS
CONTINENTAL RESOURCES, INC.
6/13/17

INCREASED DENSITY - 667797

9/28/2017 - G60 - 27-15N-11W
X578803 MISS
1 WELL
CONTINENTAL RESOURCES, INC.
9/5/17

This permit does not address the right of entry or settlement of surface damages.
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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.

Category	Description
INTERMEDIATE CASING	9/19/2017 - G71 - 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
LOCATION EXCEPTION - 667747	9/28/2017 - G60 - (I.O.) 22 & 27-15N-11W X579436 (22-15N-11W) MISS X578803 (27-15N-11W) MISS 50% 22-15N-11W 50% 27-15N-11W X165:10-3-28(C)(2)(B) MISS MAY BE CLOSER THAN 600' TO NEARBY WELLS ** COMPL. INT. (22-15N-11W) NCT 150' FNL, NCT 0' FSL, NCT 440' FWL COMPL. INT. (27-15N-11W) NCT 0' FNL, NCT 150' FSL, NCT 440' FWL NO OP. NAMED 9/1/17 **WELLS WILL BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR
MEMO	9/19/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 578803	9/28/2017 - G60 - (640) 27-15N-11W EXT 563805 MISS, OTHERS
SPACING - 579436	9/28/2017 - G60 - (640) 22-15N-11W EXT 563805 MISS, OTHERS
SPACING - 667042	9/28/2017 - G60 - (640) 22 & 27-15N-11W EST MULTIUNIT HORIZONTAL WELL X579436 (22-15N-11W) MISS X578803 (27-15N-11W) MISS 50% 22-15N-11W 50% 27-15N-11W NO OP. NAMED 8/16/17

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.

3501123864

EXHIBIT: A (1 of 4)

SHEET: 8.5x11

SHL: 22-15N-11W

BHL-2 27-15N-11W

BHL-3 27-15N-11W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 22 Township 15N Range 11W I.M.

Well: HOMSEY 2-22-27XHM

County BLAINE State OK

Well: HOMSEY 3-22-27XHM

Operator CONTINENTAL RESOURCES, INC.

NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W2	HOMSEY 2-22-27XHM	279715	1860458	35° 46' 04.28" -98° 21' 51.07"	35.767856 -98.364187	280' FNL / 663' FWL (NW/4 SEC 22)	1460.42	1455.14
LP-2	LANDING POINT	279717	1860124	35° 46' 04.29" -98° 21' 55.12"	35.767857 -98.365311	280' FNL / 330' FWL (NW/4 SEC 22)	--	--
BHL-2	BOTTOM HOLE LOCATION	269503	1860070	35° 44' 23.27" -98° 21' 55.31"	35.739797 -98.365365	50' FSL / 330' FWL (SW/4 SEC 27)	--	--
W3	HOMSEY 3-22-27XHM	279715	1860488	35° 46' 04.28" -98° 21' 50.71"	35.767856 -98.364086	280' FNL / 693' FWL (NW/4 SEC 22)	1464.79	1455.14
LP-3	LANDING POINT	279714	1860784	35° 46' 04.28" -98° 21' 47.11"	35.767854 -98.363086	280' FNL / 990' FWL (NW/4 SEC 22)	--	--
BHL-3	BOTTOM HOLE LOCATION	269497	1860730	35° 44' 23.24" -98° 21' 47.31"	35.739788 -98.363141	50' FSL / 990' FWL (SW/4 SEC 27)	--	--
X-1	KARNES #1-22 SWD	278659	1864039	35° 45' 53.97" -98° 21' 07.57"	35.764991 -98.352104	22-15N-11W:E2E2W2NE4 TD: 4,750' 1,320' FSL / 1,005' FWL	--	--
X-2	IVINS #1	276038	1861082	35° 45' 27.94" -98° 21' 43.34"	35.757761 -98.362038	22-15N-11W:SW4 TD: 10,234' 1,320' FSL / 1,320' FWL	--	--
X-3	COWAN #1-22	278663	1863368	35° 45' 53.98" -98° 21' 15.71"	35.764995 -98.354364	22-15N-11W:W2E2W2NE4 TD: 4,750' 1,320' FSL / 955' FWL	--	--
X-4	EVICK #1-22H	274894	1864489	35° 45' 16.74" -98° 21' 01.95"	35.754651 -98.350541	22-15N-11W:SW4SE4SE4 TD: 16,892' 200' FSL / 550' FEL	--	--
X-5	HOMSEY #3-22-27XH	279741	1861245	35° 46' 04.56" -98° 21' 41.53"	35.767934 -98.361535	22-15N-11W:NW4NE4NW4NW4 TD: 21,584' 260' FNL / 690' FWL	--	--
X-6	EWING #1	273378	1863705	35° 45' 01.73" -98° 21' 11.39"	35.750480 -98.353165	27-15N-11W:NE4 TD: 10,362' 1,320' FSL / 1,320' FWL	--	--
X-7	HOAR UNIT #1	273398	1861417	35° 45' 01.83" -98° 21' 39.15"	35.750510 -98.360874	27-15N-11W:NW4 TD: 10,400' 1,320' FSL / 1,670' FWL	--	--
X-8	LOWMAN #1	273400	1861067	35° 45' 01.85" -98° 21' 43.39"	35.750514 -98.362053	27-15N-11W:NW4 TD: 10,275' 1,320' FSL / 1,320' FWL	--	--
X-9	GUENTHER #1-27	270076	1864352	35° 44' 29.09" -98° 21' 03.40"	35.741414 -98.350944	27-15N-11W:SE4SE4 TD: 10,350' 660' FSL / 1,980' FWL	--	--
X-10	TILL #1-27H	269710	1862180	35° 44' 25.39" -98° 21' 29.72"	35.740386 -98.358256	27-15N-11W:SE4SE4SE4SW4 TD: 16,900' 275' FSL / 2,440' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 04-09-18

Date Drawn: 04-09-18



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	04-09-18	MJL	ISSUED FOR APPROVAL	--

3501123864

EXHIBIT: A (2 of 4)
 SHEET: 8.5x11
 SHL: 22-15N-11W
 BHL-2 27-15N-11W
 BHL-3 27-15N-11W



COVER SHEET CONTINUED...

CONTINENTAL RESOURCES, INC.

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

Section 22 Township 15N Range 11W I.M. Well: HOMSEY 2-22-27XHM
 County BLAINE State OK Well: HOMSEY 3-22-27XHM
 Operator CONTINENTAL RESOURCES, INC.

NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE	EXISTING ELEVATION	DESIGN ELEVATION	
W2	HOMSEY 2-22-27XHM	279691	1892058	35° 46' 04.12" -98° 21' 49.83"	35.767811 -98.363841	280' FNL / 663' FWL (NW/4 SEC 22)	1460.42	1455.14
LP-2	LANDING POINT	279693	1891725	35° 46' 04.12" -98° 21' 53.87"	35.767812 -98.364964	280' FNL / 330' FWL (NW/4 SEC 22)	--	--
BHL-2	BOTTOM HOLE LOCATION	269479	1891670	35° 44' 23.10" -98° 21' 54.07"	35.739751 -98.365019	50' FSL / 330' FWL (SW/4 SEC 27)	--	--
W3	HOMSEY 3-22-27XHM	279691	1892088	35° 46' 04.12" -98° 21' 49.46"	35.767811 -98.363739	280' FNL / 693' FWL (NW/4 SEC 22)	1464.79	1455.14
LP-3	LANDING POINT	279689	1892385	35° 46' 04.11" -98° 21' 45.86"	35.767809 -98.362740	280' FNL / 990' FWL (NW/4 SEC 22)	--	--
BHL-3	BOTTOM HOLE LOCATION	269473	1892330	35° 44' 23.07" -98° 21' 46.06"	35.739742 -98.362795	50' FSL / 990' FWL (SW/4 SEC 27)	--	--
X-1	KARNES #1-22 SWD	278635	1895639	35° 45' 53.81" -98° 21' 06.33"	35.764946 -98.351758	22-15N-11W:E2E2W2NE4 TD: 4,750' 1,320' FSL / 1,005' FWL	--	--
X-2	IVINS #1	276014	1892682	35° 45' 27.78" -98° 21' 42.09"	35.757716 -98.361692	22-15N-11W:SW4 TD: 10,234' 1,320' FSL / 1,320' FWL	--	--
X-3	COWAN #1-22	278639	1894968	35° 45' 53.82" -98° 21' 14.47"	35.764950 -98.354018	22-15N-11W:W2E2W2NE4 TD: 4,750' 1,320' FSL / 955' FWL	--	--
X-4	EVICK #1-22H	274870	1896089	35° 45' 16.58" -98° 21' 00.70"	35.754606 -98.350195	22-15N-11W:SW4SE4SE4SE4 TD: 16,892' 200' FSL / 550' FEL	--	--
X-5	HOMSEY #3-22-27XH	279717	1892845	35° 46' 04.40" -98° 21' 40.28"	35.767889 -98.361189	22-15N-11W:NW4NE4NW4NW4 TD: 21,584' 260' FNL / 690' FWL	--	--
X-6	EWING #1	273354	1895305	35° 45' 01.56" -98° 21' 10.15"	35.750434 -98.352820	27-15N-11W:NE4 TD: 10,362' 1,320' FSL / 1,320' FWL	--	--
X-7	HOAR UNIT #1	273373	1893017	35° 45' 01.67" -98° 21' 37.90"	35.750464 -98.360528	27-15N-11W:NW4 TD: 10,400' 1,320' FSL / 1,670' FWL	--	--
X-8	LOWMAN #1	273376	1892667	35° 45' 01.69" -98° 21' 42.15"	35.750469 -98.361707	27-15N-11W:NW4 TD: 10,275' 1,320' FSL / 1,320' FWL	--	--
X-9	GUENTHER #1-27	270052	1895952	35° 44' 28.93" -98° 21' 02.16"	35.741368 -98.350599	27-15N-11W:SE4SE4 TD: 10,350' 660' FSL / 1,980' FWL	--	--
X-10	TILL #1-27H	269686	1893780	35° 44' 25.23" -98° 21' 28.48"	35.740341 -98.357911	27-15N-11W:SE4SE4SE4SW4 TD: 16,900' 275' FSL / 2,440' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 04-09-18
 Date Drawn: 04-09-18



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

EXHIBIT: A (4 of 4)
SHEET: 8.5x14
SHL: 22-15N-11W
BHL-3 27-15N-11W

PETRO LAND SERVICES SOUTH, LLC

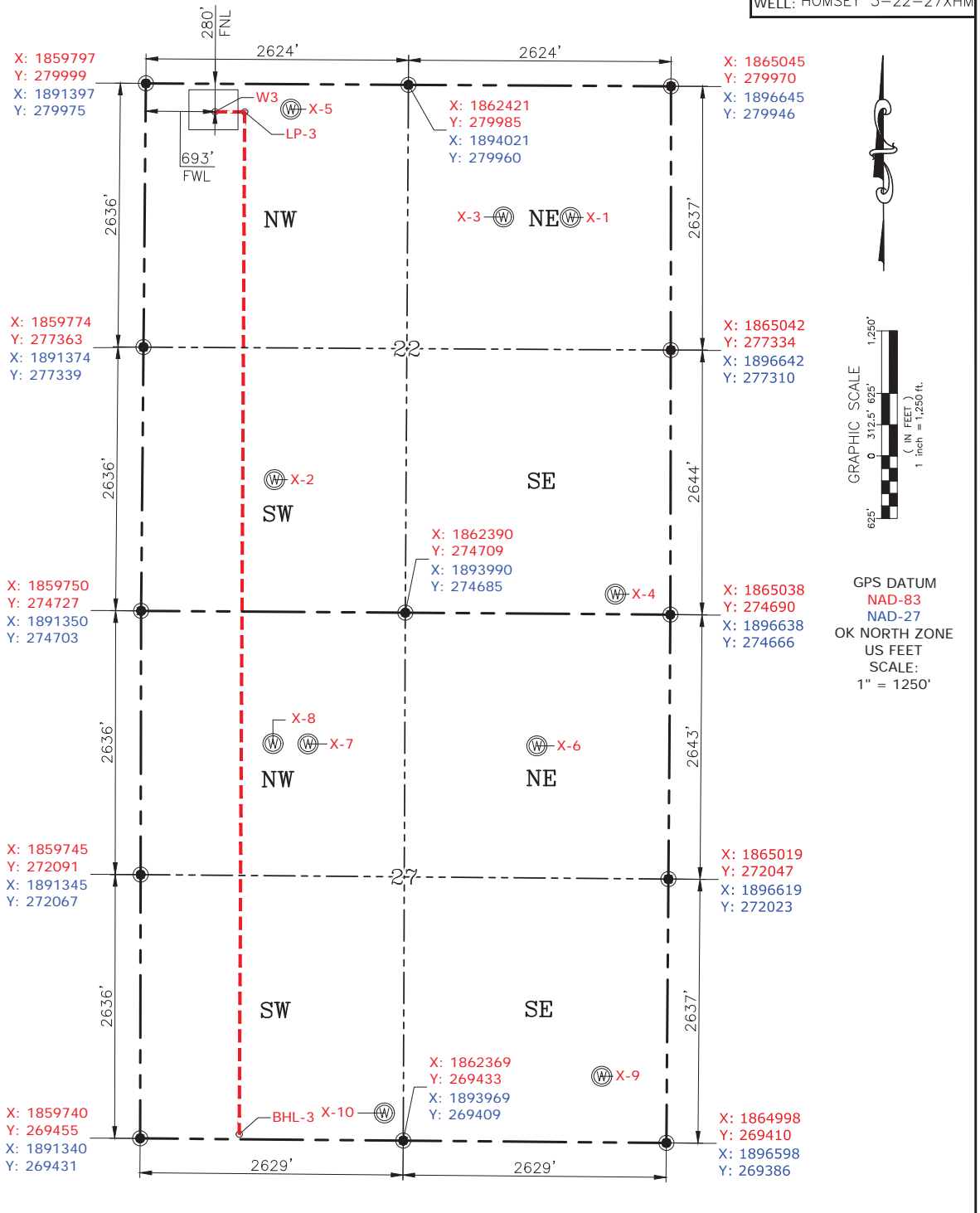
10400 VINEYARD BLVD, SUITE C, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC
(OPERATOR)

BLAINE _____ County Oklahoma
280' FNL-693' FWL Section 22 Township 15N Range 11W I.M.

WELL: HOMSEY 3-22-27XHM



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 Staked: 04-09-18
Date Drawn: 04-09-18



Randall J. Bilyeu

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.