

API NUMBER: 049 25365

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

Approval Date: 06/10/2022
Expiration Date: 12/10/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 19 Township: 1N Range: 1W County: GARVIN

SPOT LOCATION: SW NE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 750 950

Lease Name: SPEYSIDE Well No: 2-19-20XHW Well will be 750 feet from nearest unit or lease boundary.
Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349797; 4052349000; OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 268870
OKLAHOMA CITY, OK 73126-8870

RICHARD BURCH SR. & MAYNITA WARREN FAMILY TRUST
27957 INDIAN MERIDIAN ROAD
WYNNEWOOD OK 73098

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

	Name	Code	Depth
1	SYCAMORE	352SCMR	12039
2	WOODFORD	319WDFD	12280
3	HUNTON	269HNTN	12386

Spacing Orders: 169883
172043

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202201698
202201697
202201688
202201687

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 22055 Ground Elevation: 859

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 100

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: 22-38321
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: 20	Township: 1N	Range: 1W	Meridian: IM	Total Length: 9600
County: GARVIN				Measured Total Depth: 22055
Spot Location of End Point: E2	SE	SE	SE	True Vertical Depth: 12449
Feet From: SOUTH	1/4 Section Line: 330			End Point Location from
Feet From: EAST	1/4 Section Line: 50			Lease, Unit, or Property Line: 50

NOTES:

Category	Description
DEEP SURFACE CASING	[5/19/2022 - 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>[5/19/2022 - 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 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCWEB.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	[5/19/2022 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - WILDHORSE CREEK AND ROCK CREEK), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD – 2022-001697	<p>[6/1/2022 - GB6] - (I.O.) 19-1N-1W X169883/172043 WDFD, SCMR 3 WELLS WDFD 1 WELL SCMR NO OPER. NAMED REC. 06/06/2022 (MOORE)</p>
PENDING CD – 2022-001698	<p>[6/1/2022 - GB6] - (I.O.) 20-1N-1W X169883/172043 WDFD, SCMR 3 WELLS WDFD 2 WELL SCMR NO OPER. NAMED REC. 06/06/2022 (MOORE)</p>
PENDING CD – CD2022-001687	<p>[6/1/2022 - GB6] - (I.O.) 19 & 20 -1N-1W EST MULTIUNIT HORIZONTAL WELL X169883/172043 SCMR, WDFD, HNTN 19, 20 -1N-1W (SCMR, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 43% 19-1N-1W 57% 20-1N-1W NO OPER. NAMED REC. 06/06/2022 (MOORE)</p>
PENDING CD – CD2022-001688	<p>[6/1/2022 - GB6] - (I.O.) 19 & 20 -1N-1W X169883/172043 SCMR, WDFD, HNTN 19, 20 -1N-1W COMPL. INT. (19-1N-1W) NCT 330' FWL, NCT 0' FEL, NCT 330' FSL COMPL. INT. (20-1N-1W) NCT 0' FWL, NCT 165' FEL, NCT 330' FSL NO OPER. NAMED REC. 06/06/2022 (MOORE)</p>
SPACING – 169883	<p>[6/1/2022 - GB6] - (640) 19, 20 -1N-1W EXT 161935 SCMR, WDFD, HNTN, OTHERS</p>
SPACING – 172043	[6/1/2022 - GB6] - X169883 CORRECT AND CONFIRM THAT SPACING IS 640-ACRE DRILL SPACE UNITS

EXHIBIT: A (1 of 2)
SHEET: 8.5x14
SHL: 19-1N-1W
BHL-2: 20-1N-1W



WELL PAD ID:
3790299C-6931-446D-6127-FBDA5B82322F
SH-2-ID: SB8LBI9EB3

COVER SHEET

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

Section 19 Township 1N Range 1W I.M. SH-2: SPEYSIDE 2-19-20XHW
County GARVIN State OK
Operator CONTINENTAL RESOURCES, INC.

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
SH-2	SPEYSIDE 2-19-20XHW	439021	2164433	34° 32' 16.67" -97° 20' 57.81"	34.537964 -97.349392	750' FSL / 950' FWL (SW/4 NE/4 SW/4 SW/4 SEC 19)	859.71'	860.82'
LP-2	LANDING POINT	438601	2164435	34° 32' 12.51" -97° 20' 57.81"	34.536810 -97.349393	330' FSL / 950' FWL (SW/4 SEC 19)	--	--
BHL-2	BOTTOM HOLE LOCATION	438653	2174003	34° 32' 12.40" -97° 19' 03.44"	34.536778 -97.317623	330' FSL / 50' FEL (SE/4 SEC 20)	--	--
X-1	B & W FREEMAN HEIRS #1-20	442943	2173340	34° 32' 54.88" -97° 19' 11.02"	34.548577 -97.319728	20-1N-1W: TD: 13,500' 673' FNL / 667' FEL	--	--
X-2	A C HOLBROOK #1	439301	2169747	34° 32' 19.09" -97° 19' 54.26"	34.538636 -97.331740	20-1N-1W: TD: UNKNOWN' 990' FSL / 990' FWL	--	--
X-3	HENNEPIN UNIT #1	439960	2169738	34° 32' 25.62" -97° 19' 54.32"	34.540449 -97.331755	20-1N-1W: TD: 15,917' 1650' FSL / 990' FWL	--	--
X-4	WILEY BROTHERS #1-20	442738	2173202	34° 32' 52.86" -97° 19' 12.69"	34.548018 -97.320192	20-1N-1W: TD: 13,965' 876' FNL / 807' FEL	--	--
X-5	OBELE-KATIE #7	442893	2164119	34° 32' 54.99" -97° 21' 01.26"	34.548608 -97.350351	19-1N-1W: TD: 4,272' 663' FNL / 660' FWL	--	--
X-6	WARREN #1-30-29XH	438544	2164061	34° 32' 11.98" -97° 21' 02.30"	34.536660 -97.350638	19-1N-1W: TD: 17,502' 275' FSL / 575' FWL	--	--
X-7	JAMES TRUST #1-24-23XHW	443254	2163757	34° 32' 58.58" -97° 21' 05.56"	34.549607 -97.351546	19-1N-1W: TD: 22,952' 300' FNL / 300' FWL	--	--
X-8	SPEYSIDE #1-20-19XHW	441038	2173726	34° 32' 36.01" -97° 19' 06.57"	34.543336 -97.318491	20-1N-1W: TD: 21,620' 2580' FNL / 300' FEL	--	--

NAD-27							EXISTING ELEVATION	DESIGN ELEVATION
SH-2	SPEYSIDE 2-19-20XHW	438978	2196028	34° 32' 16.37" -97° 20' 56.73"	34.537880 -97.349091	750' FSL / 950' FWL (SW/4 NE/4 SW/4 SW/4 SEC 19)	859.71'	860.82'
LP-2	LANDING POINT	438558	2196031	34° 32' 12.21" -97° 20' 56.73"	34.536725 -97.349092	330' FSL / 950' FWL (SW/4 SEC 19)	--	--
BHL-2	BOTTOM HOLE LOCATION	438610	2205598	34° 32' 12.10" -97° 19' 02.36"	34.536694 -97.317323	330' FSL / 50' FEL (SE/4 SEC 20)	--	--
X-1	B & W FREEMAN HEIRS #1-20	442900	2204936	34° 32' 54.58" -97° 19' 09.94"	34.548493 -97.319428	20-1N-1W: TD: 13,500' 673' FNL / 667' FEL	--	--
X-2	A C HOLBROOK #1	439258	2201343	34° 32' 18.79" -97° 19' 53.18"	34.538552 -97.331439	20-1N-1W: TD: UNKNOWN' 990' FSL / 990' FWL	--	--
X-3	HENNEPIN UNIT #1	439918	2201334	34° 32' 25.31" -97° 19' 53.23"	34.540365 -97.331454	20-1N-1W: TD: 15,917' 1650' FSL / 990' FWL	--	--
X-4	WILEY BROTHERS #1-20	442695	2204797	34° 32' 52.56" -97° 19' 11.61"	34.547933 -97.319891	20-1N-1W: TD: 13,965' 876' FNL / 807' FEL	--	--
X-5	OBELE-KATIE #7	442850	2195715	34° 32' 54.69" -97° 21' 00.18"	34.548524 -97.350049	19-1N-1W: TD: 4,272' 663' FNL / 660' FWL	--	--
X-6	WARREN #1-30-29XH	438502	2195656	34° 32' 11.67" -97° 21' 01.21"	34.536576 -97.350337	19-1N-1W: TD: 17,502' 275' FSL / 575' FWL	--	--
X-7	JAMES TRUST #1-24-23XHW	443211	2195353	34° 32' 58.28" -97° 21' 04.48"	34.549523 -97.351244	19-1N-1W: TD: 22,952' 300' FNL / 300' FWL	--	--
X-8	SPEYSIDE #1-20-19XHW	440995	2205321	34° 32' 35.71" -97° 19' 05.49"	34.543252 -97.318190	20-1N-1W: TD: 21,620' 2580' FNL / 300' FEL	--	--

Certificate of Authorization No. 7318



Prepared By:
PSLS
14612 Bogert Parkway
Oklahoma City, OK 73134

R E V I S I O N S					
No.	DATE	STAKED	BY	DESCRIPTION	COMMENTS
00	05-12-22	**--**--22	HDG	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 2)
SHEET: 8.5x14
SHL: 19-1N-1W
BHL-2: 20-1N-1W

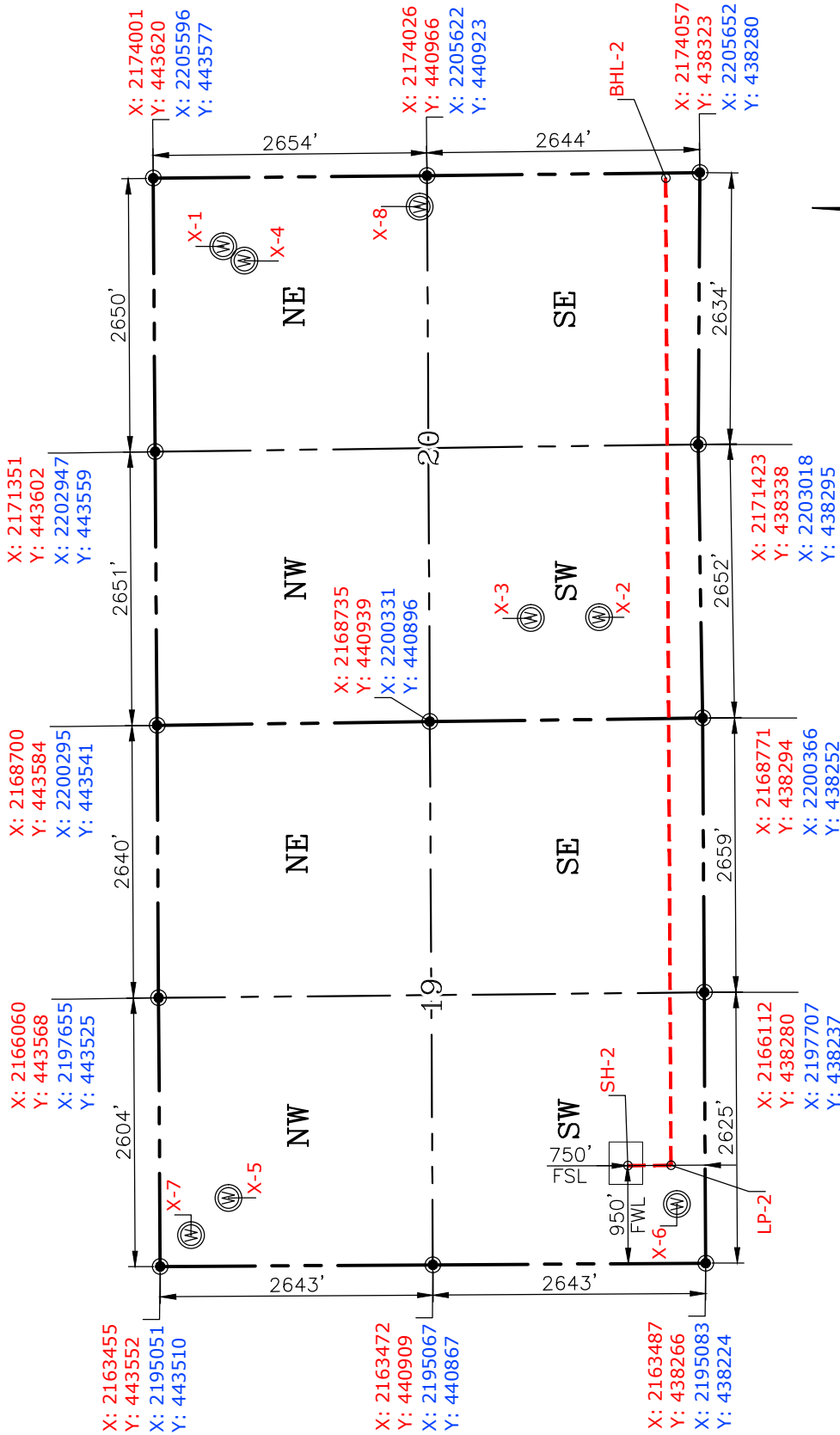
PETRO LAND SERVICES SOUTH, LLC
14612 BOGERT PARKWAY, OKLA. CITY, OKLA. 73134 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC
(OPERATOR)

GARVIN County Oklahoma
750' FSL-950' FWL Section 19 Township 1N Range 1W I.M.

WELL: SPEYSIDE
2-19-20XHW



GPS DATUM
NAD-83
NAD-27
OK SOUTH ZONE
US FEET
SCALE:
1" = 1600'

CURRENT REV.: 0
Date Drawn: 05-12-22

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:

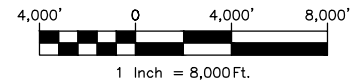
I, FRED A. SELENSKY, an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.



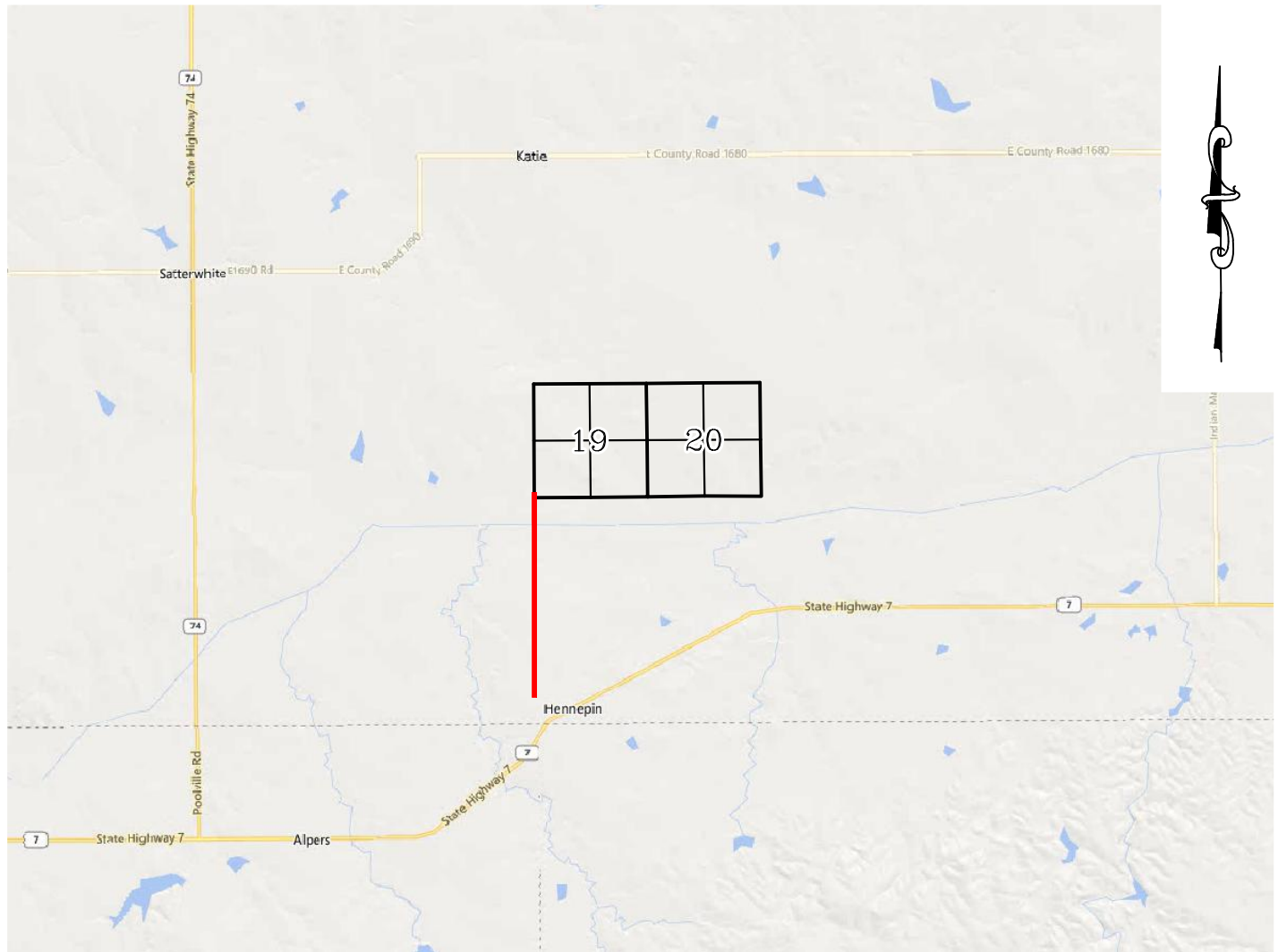
Fred A. Selensky
5-12-22
Oklahoma PLS No.1860 DATE

Prepared By:
PSLS
14612 Bogert Parkway
Oklahoma City, OK 73134

EXHIBIT: C
SHEET: 8.5x11
SHL: 19-1N-1W
BHL-2: 20-1N-1W



VICINITY MAP



LEAVING HENNEPIN, HEAD NORTH ON KATIE RD. FOR 1.90 MILES TO THE EXISTING ACCESS ROAD.

CONTINENTAL RESOURCES, INC.

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



Prepared By:
Petro Land Services South
14612 Bogert Parkway
Oklahoma City, OK 73134

Section 19 Township 1N Range 1W I.M. Well SH-2: SPEYSIDE 2-19-20XHW
County GARVIN State OK
Operator CONTINENTAL RESOURCES, INC.

Certificate of Authorization No. 7318

CURRENT REV.: 0

EXHIBIT: D
SHEET: 8.5x11
SHL: 19-1N-1W
BHL-2: 20-1N-1W

Well SH-2: SPEYSIDE 2-19-20XHW



FACING NORTH

(NO IMAGES AVAILABLE)

FACING SOUTH

(NO IMAGES AVAILABLE)

CURRENT REV.: 0

Prepared By:	PSLS 14612 Bogert Parkway. Oklahoma City, OK 73134	TERRAIN				DRAWN BY:	HDG	SCALE:	N.T.S.
						CHECKED BY:	MJL	JOB No.:	--
						APPROVED BY:	--	DWG. NO.:	TERRAIN-1
						DATE ISSUED:	05-12-22	SHEET:	1 OF 2

EXHIBIT: E
SHEET: 8.5x11
SHL: 19-1N-1W
BHL-2: 20-1N-1W

Well SH-2: SPEYSIDE 2-19-20XHW



FACING EAST

(NO IMAGES AVAILABLE)

FACING WEST

(NO IMAGES AVAILABLE)

CURRENT REV.: 0

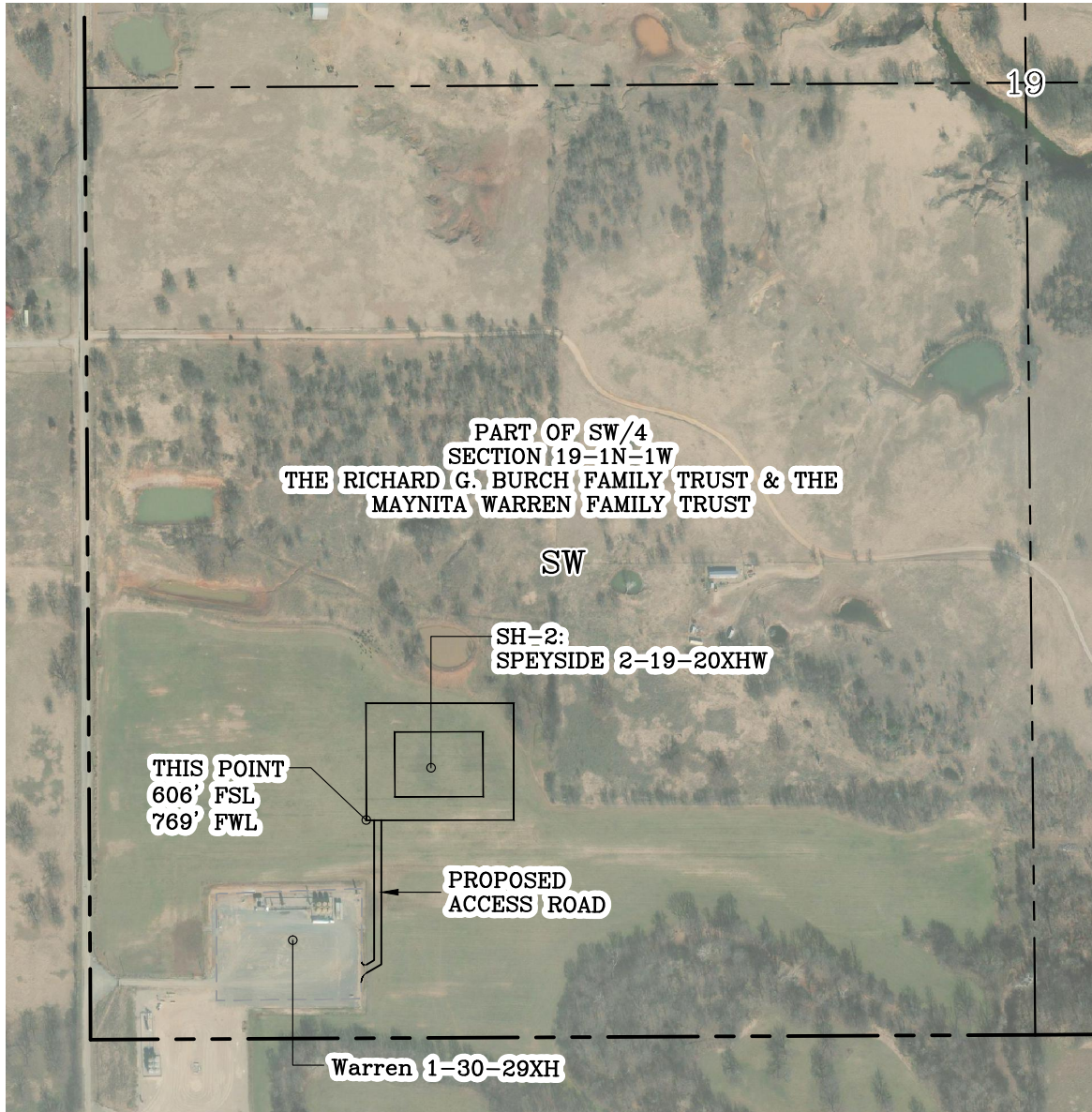
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						CHECKED BY:	MJL	JOB No.:	--
						APPROVED BY:	--	DWG. NO.:	TERRAIN-2
						DATE ISSUED:	05-12-22	SHEET:	2 OF 2

EXHIBIT: F
SHEET: 8.5x11
SHL: 19-1N-1W
BHL-2: 20-1N-1W

Well SH-2: SPEYSIDE 2-19-20XHW

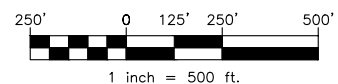


PROPOSED ACCESS ROAD = 448' | 27.15 RODS (TOTAL)



GPS DATUM - NAD83, OK SOUTH ZONE
US FEET SCALE: 1" = 500'

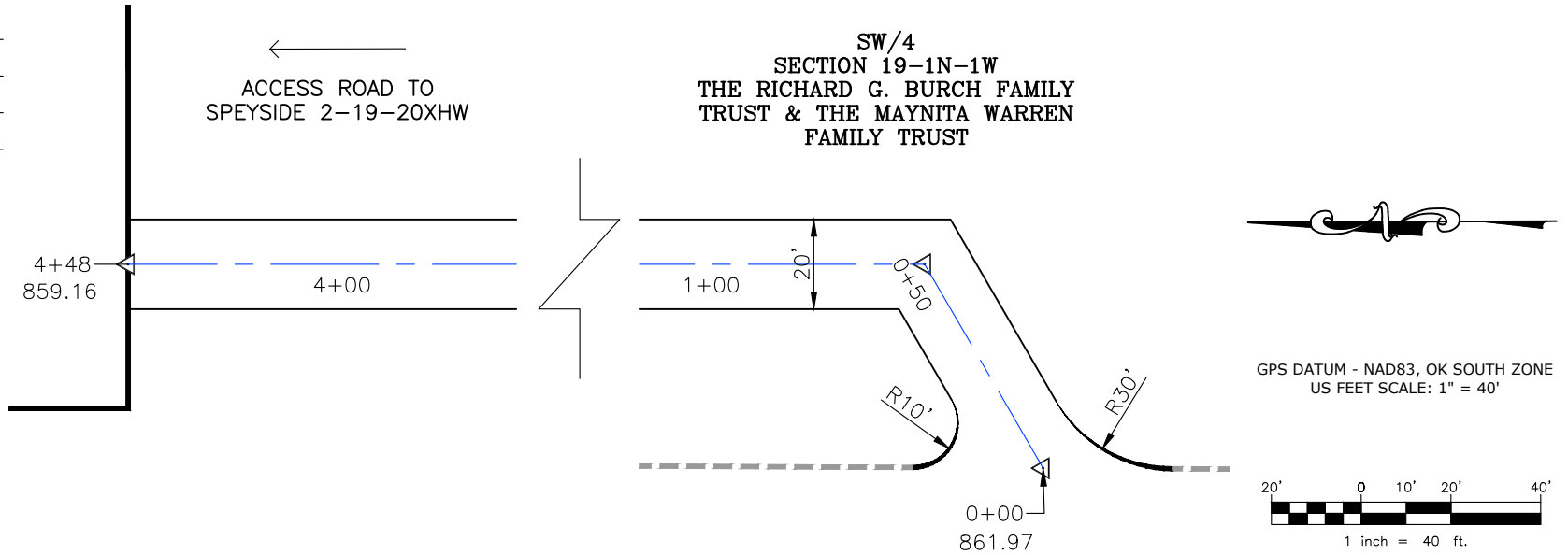
Section 19 Township 1N Range 1W I.M.
County GARVIN State OK
Operator CONTINENTAL RESOURCES, INC.



CURRENT REV.: 0

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		CHECKED BY:	MJL	JOB No.:	--
		APPROVED BY:	--	DWG. NO.:	AERIAL-1
		DATE ISSUED:	05-12-22	SHEET:	1 OF 4

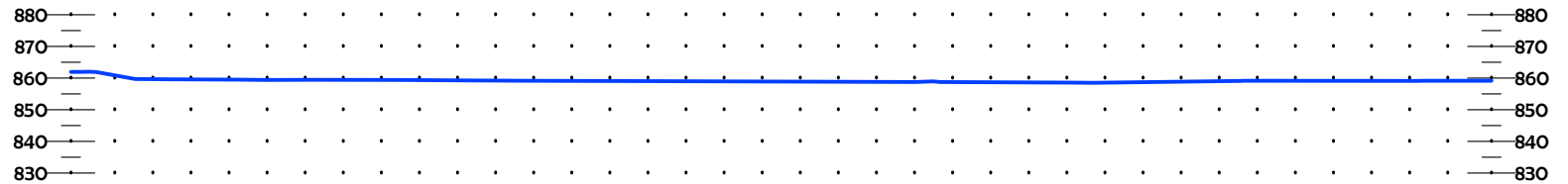
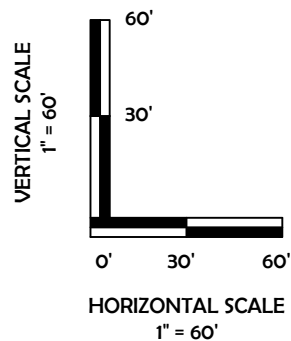
EXHIBIT: G
 SHEET: 8.5x11
 SHL: 19-1N-1W
 BHL-2: 20-1N-1W



- * THIS PROPOSED LEASE ROAD PLAT DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.
- * THE FOOTAGES AND TIES SHOWN HEREON ARE FROM LINES OF OCCUPATION AND MAY NOT BE FROM ACTUAL PROPERTY CORNERS.

Well SH-2: SPEYSIDE 2-19-20XHW

PROPOSED ACCESS ROAD = 448' | 27.15 RODS (TOTAL)



CURRENT REV.: 0

Prepared By: **PSLS**
 14612 Bogert Parkway
 Oklahoma City, OK 73134



Continental
 RESOURCES

P.O. Box 26900
 Oklahoma City
 Oklahoma, 73126
 (T) 1-800-256-8955
 (F) 405-234-9253

LEASE ROAD PLAN & PROFILE

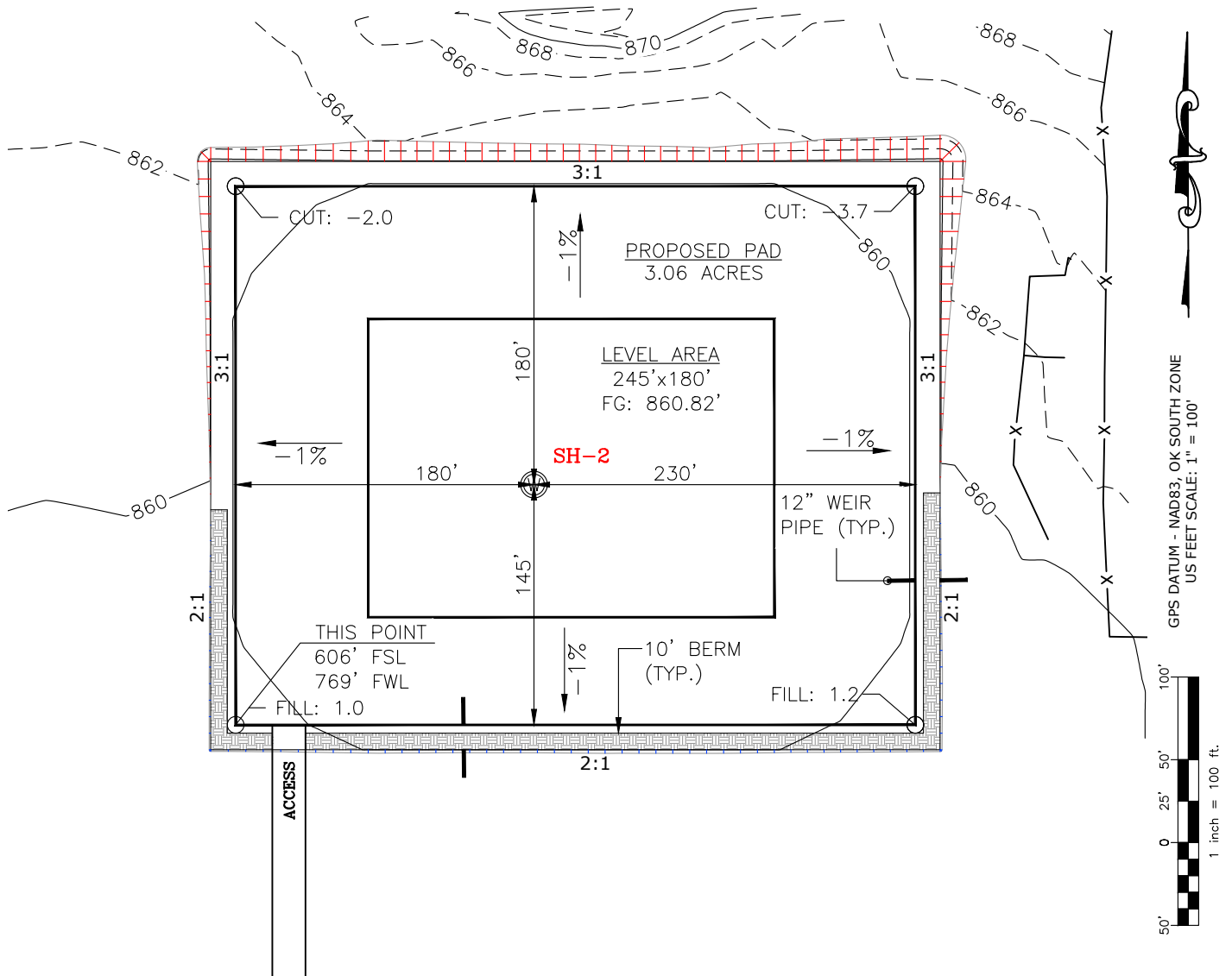
DRAWN BY:	HDG	SCALE:	AS NOTED
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	P&P
DATE ISSUED:	05-12-22	SHEET:	2 OF 4

EXHIBIT: I
SHEET: 8.5x11
SHL: 19-1N-1W
BHL-2: 20-1N-1W

Well SH-2: SPEYSIDE 2-19-20XHW



TOTAL PROPOSED DISTURBED AREA: 3.77 ACRES



CUT VOLUME 2409.42 CU. YD. | 6" OF STRIPPED TOP SOIL: 3,042.16 CU. YD.
FILL VOLUME 2409.44 CU. YD. | BERM LENGTH: 700' (469.00 CU. YD.)

(CUT/FILL VOLUMES DO NOT INCLUDE 6" OF STRIPPED TOP SOIL)

CURRENT REV.: 0

Prepared By: PSLS 14612 Bogert Parkway. Oklahoma City, OK 73134	PROPOSED GRADING PLAN	DRAWN BY:	HDG	SCALE:	1" = 100'
		CHECKED BY:	MJL	JOB No.:	--
		APPROVED BY:	--	DWG. NO.:	PRO-GR.
		DATE ISSUED:	05-12-22	SHEET:	4 OF 4

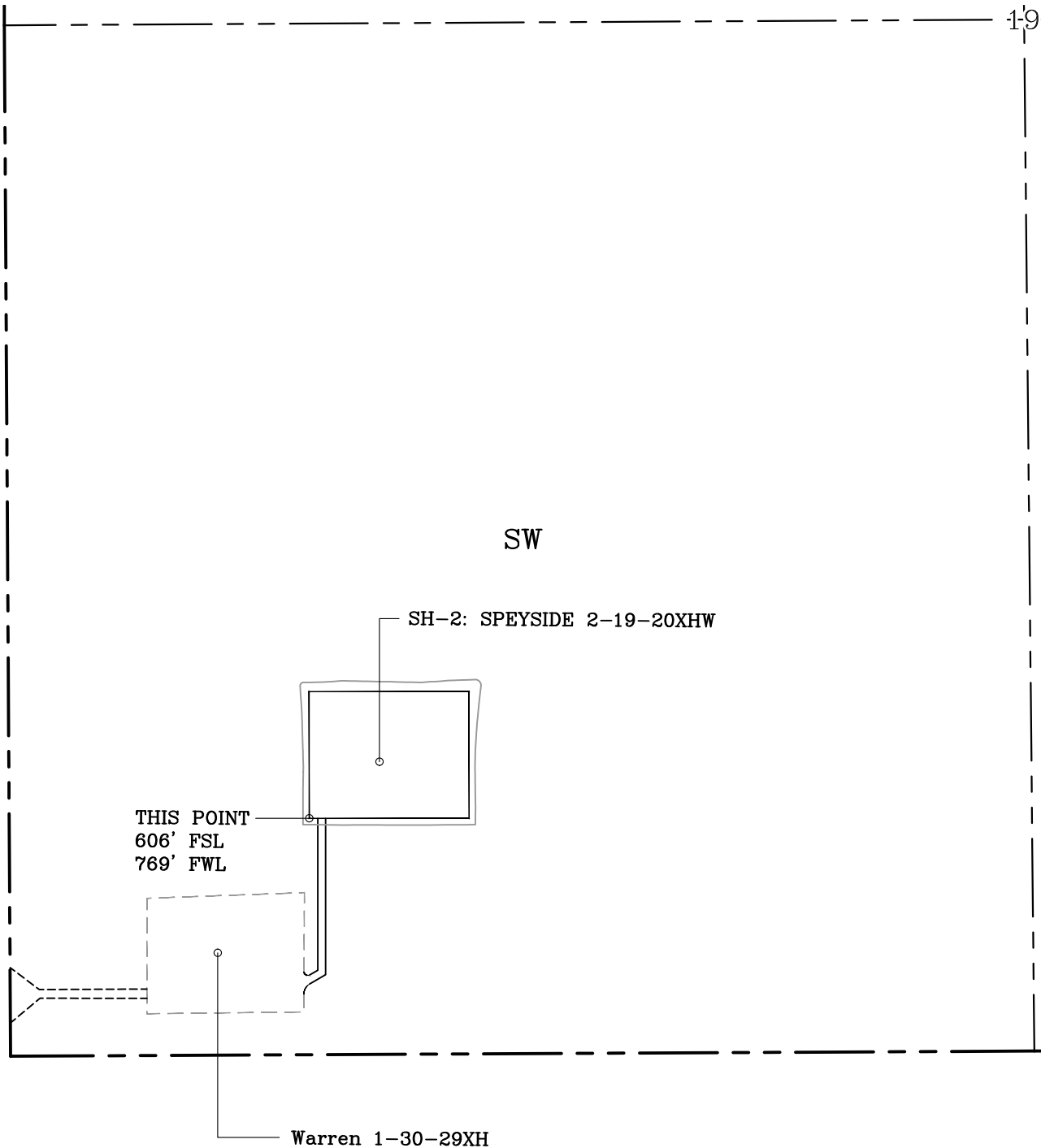
EXHIBIT "A"

TABLE OF QUANTITIES

DISTURBED AREA = 3.77 ACRES
ACCESS ROAD = ±448'







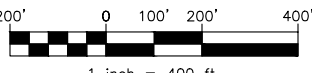
LOCATED ON THE LANDS OF:
THE RICHARD G. BURCH FAMILY
TRUST & THE MAYNITA WARREN
FAMILY TRUST

PART OF SW/4 SEC 19-1N-1W
GARVIN COUNTY, OKLAHOMA



GENERAL NOTES:

- 1. THIS IS NOT A BOUNDARY SURVEY.
- 2. THIS SURVEY DOES NOT GUARANTEE TITLE OR OWNERSHIP.

LEGEND		 GPS DATUM - NAD83, OK SOUTH ZONE US FEET SCALE: 1" = 400'	PREPARED BY:	Drawn By: HDG	Date: 05-12-22	
 PROPOSED WELL PAD	 PROPOSED DISTURBED AREA		 PSLS 14612 BOGERT PARKWAY Oklahoma City, OK 73134	Checked By: MJL	Scale: 1" = 400'	
 SECTION LINE	 QUARTER SECTION LINE			Sheet Size: 8.5x14	Sheet No. 1 of 1	
			REV.	Description	Date	
			0	ISSUED FOR APPROVAL	05-12-22	