API NUMBER: 051 24554

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

Approval Date: 01/18/2019
Expiration Date: 07/18/2020

Horizontal Hole

PIT 1 INFORMATION

Type of Mud System: WATER BASED

Within 1 mile of municipal water well? N

Pit is not located in a Hydrologically Sensitive Area.

Chlorides Max: 3000 Average: 2000

**Liner not required for Category: C**Pit Location is NON HSA

Pit Location Formation: CHICKASHA

Wellhead Protection Area?

Category of Pit: C

Type of Pit System: CLOSED Closed System Means Steel Pits

Is depth to top of ground water greater than 10ft below base of pit? Y

Multi Unit

Oil & Gas

#### PERMIT TO DRILL

T LOCATION: SE SE SW	SW	FEET FROM QUARTER: FROM SECTION LINES:		WEST 1234	
ease Name: WILKERSON		Well No:	2-17-20XHS	Well w	vill be 251 feet from nearest unit or lease boundary
Operator CONTINENTAL RES	OURCES INC		Telephone: 405	2349020; 4052349	OTC/OCC Number: 3186 0
CONTINENTAL RESOURCE	ES INC			PAUL & KAY BR	OWN
PO BOX 268870				2185 COUNTRY	
OKLAHOMA CITY,	OK	73126-9000		CHICKASHA	OK 73018
ormation(s) (Permit Valid fo Name 1 SPRINGER	r Listed Fori	mations Only): Depth 12445	6	Name	Depth
Name  SPRINGER  3 4	r Listed Fori	Depth	7 8 9	Name	Depth
Name  SPRINGER  3	r Listed Fori	Depth	7 8 9 10	Name	Depth  Increased Density Orders: 688350
Name  1 SPRINGER  2 3 4 5 5 cing Orders: 136547	r Listed Fori	<b>Depth</b> 12445	7 8 9 10	Name	, , , , , , , , , , , , , , , , , , ,

Approved Method for disposal of Drilling Fluids:

H. SEE MEMO

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

PERMIT NO: 18-36050

#### 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 20 Twp 7N Rge 6W County **GRADY** Spot Location of End Point: SE SE SW SW Feet From: SOUTH 1/4 Section Line: 50 WEST Feet From: 1/4 Section Line: 1100

Depth of Deviation: 12360 Radius of Turn: 409 Direction: 181

Total Length: 5085

Measured Total Depth: 18088

True Vertical Depth: 12577

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

Notes:

Category Description

DEEP SURFACE CASING 1/7/2019 - 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

HYDRAULIC FRACTURING 1/7/2019 - 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

INCREASED DENSITY - 688350 1/18/2019 - GA8 - 20-7N-6W

X136547 SPRG

5 WELLS

CONTINENTAL RESOURCES, INC.

12/14/2018

MEMO 1/7/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

Category Description

PENDING CD - 201810716 1/18/2019 - GA8 - (I.O.) 17 & 20-7N-6W

EST MULITUNIT HORÍZONTAL WELL

X164772 SPRG 17-7N-6W X136547 SPRG 20-7N-6W

6% 17-7N-6W 94% 20-7N-6W

CONTINENTAL RESOURCES, INC.

REC 1/14/2019 (NORRIS)

PENDING CD - 201810717 1/18/2019 - GA8 - (I.O.) 17 & 20-7N-6N

X164772 SPRG 17-7N-6W X136547 SPRG 20-7N-6W

X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL

COMPL. INT. (17-7N-6W) NCT 1320' FNL, NCT 0' FSL, NCT 660' FWL COMPL. INT. (20-7N-6W) NCT 0' FNL, NCT 150' FSL, NCT 660' FWL

CONTINENTAL RESOURCES, INC.

REC 1/14/2019 (NORRIS)

PENDING CD - 201810866 1/18/2019 - GA8 - 17-7N-6W

X164772 SPRG

2 WELLS

CONTINENTAL RESOURCES, INC.

HEARING 1/22/2019

SPACING - 136547 1/18/2019 - GA8 - (640) 20-7N-6W

**EST OTHER** 

EXT 107496 SPRG, OTHERS

SPACING - 164772 1/18/2019 - GA8 - (640) 17-7N-6W

EST OTHERS EXT OTHERS

EXT 136547 SPRG, OTHERS

**EXHIBIT:** <u>A (1 of 2)</u> SHEET: 8.5x14 17-7N-6W SHL: <u>20-7N</u>-6W BHL-2

Operator \_



## COVER SHEET

#### CONTINENTAL RESOURCES, I N <u>C .</u>

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

Section	$\frac{17}{}$ Township $\frac{7N}{}$	$-$ Range $ ^{6W}$	_ I.M. Well:	WILKERSON 2-17-20XHS
	,			
County	GRADY	StateOk	Well:	
Operator	<ul> <li>CONTINENTAL RE</li> </ul>	SOURCES, INC.		

NAD-83DESIGN ELEVATION POINT WELL NAME NORTHING EASTING 633419 251' FSL / 1234' FWL (SW4 SEC 17) 1154.10 1154.84 35\* 04' 25.53" -97\* 51' 38.71" LP-2 LANDING POINT 633419 2010166 251' FSL / 1100' FWL (SW/4 SEC 17) --\_\_ BHL-2 BOTTOM HOLE LOCATION 627940 2010173 50' FSL / 1100' FWL (SW/4 SEC 20) 17-7N-6W | TD: 15,070' | 1,321' FNL / 1,321' FEL X-1 BALLARD #17-1 637136 2013017 \_\_ 17-7N-6W | TD: 18,460' | 200' FSL / 740' FEL X-2 BALLARD #1-17H 633378 2013611 17-7N-6W | TD: 17,265' | 245' FSL / 350' FEL SCHOOF #1-17H 633424 2014000 35° 04' 25.32" -97° 51' 48.46" 17-7N-6W | TD: 22,773' | 231' FSL / 289' FWL STEELMAN #4-18-7XHS 633397 X-4 2009355 \_\_ 20-7N-6W | TD: 12,750' | 1,815' FSL / 1,819' FEL X-5 BAILEY "B" #1 629711 2012539 35° 03′ 32.86″ -97° 50′ 56.28″ 20-7N-6W | TD: 17,591' | 200' FSL / 660' FEL 35.059128 -97.848967 X-6 WILKERSON #1-20H 628099 2013701 20-7N-6W | TD: 25,879' | 721' FNL / 984' FWL X-7 SCHOOF #2-17-8-5XHS 632447 2010052 35° 04' 20.31" -97° 51' 29.01" 20-7N-6W | TD: 25,538' 278' FNL / 1,906' FWL SCHOOF #3-17-8-5XHS 35\* 04' 19.62" -97\* 51' 08.66" 35.072116 -97.852405 20-7N-6W | TD: 25,513' | 350' FNL / 1,687' FEL 632825 2012665 X-9 SCHOOF #4-17-8-5XHS \_\_

		NAD-	-27					
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W2	WILKERSON 2-17-20XHS	633377	2041897	35° 04′ 25.29" -97° 51′ 35.94"	35.073693 -97.859984	251' FSL / 1234' FWL (SW4 SEC 17)	1154.10'	1154.84'
LP-2	LANDING POINT	633377	2041763	35° 04' 25.30" -97° 51' 37.55"	35.073693 -97.860432	251' FSL / 1100' FWL (SW/4 SEC 17)		
BHL-2	BOTTOM HOLE LOCATION	627898	2041770	35* 03' 31.10" -97* 51' 37.57"	35.058639 -97.860436	50' FSL / 1100' FWL (SW/4 SEC 20)		
X-1	BALLARD #17-1	637095	2044613	35* 05' 02.02" -97* 51' 03.20"	35.083895 -97.850888	17-7N-6W   TD: 15,070'   1,321' FNL / 1,321' FEL		
X-2	BALLARD #1-17H	633336	2045207	35* 04' 24.83" -97* 50' 56.12"	35.073565 -97.848922	17-7N-6W   TD: 18,460'   200' FSL / 740' FEL		
X-3	SCHOOF #1-17H	633382	2045597	35* 04' 25.28" -97* 50' 51.43"	35.073690 -97.847619	17-7N-6W   TD: 17,265'   245' FSL / 350' FEL		
X-4	STEELMAN #4-18-7XHS	633355	2040952	35* 04' 25.08" -97* 51' 47.31"	35.073635 -97.863142	17-7N-6W   TD: 22,773'   231' FSL / 289' FWL		
X-5	BAILEY "B" #1	629669	2044136	35* 03' 48.59" -97* 51' 09.07"	35.063496 -97.852520	20-7N-6W   TD: 12,750'   1,815' FSL / 1,819' FEL		
X-6	WILKERSON #1-20H	628057	2045297	35* 03' 32.62" -97* 50' 55.13"	35.059062 -97.848647	20-7N-6W   TD: 17,591'   200' FSL / 660' FEL		
X-7	SCHOOF #2-17-8-5XHS	632405	2041649	35* 04' 15.68" -97* 51' 38.95"	35.071022 -97.860819	20-7N-6W   TD: 25,879'   721' FNL / 984' FWL		
X-8	SCHOOF #3-17-8-5XHS	632851	2042570	35° 04' 20.07" -97° 51' 27.85"	35.072242 -97.857737	20-7N-6W   TD: 25,538'   278' FNL / 1,906' FWL		
X-9	SCHOOF #4-17-8-5XHS	632783	2044262	35* 04' 19.38" -97* 51' 07.51"	35.072051 -97.852085	20-7N-6W   TD: 25,513'   350' FNL / 1,687' FEL		

Certificate of Authorization No. 7318

Date Staked: 12-13-18 Date Drawn: 12-12-18

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

R E	REVISIONS							
No.	DATE	BY	DESCRIPTION	COMMENTS				
00	12-12-18	TJW	ISSUED FOR APPROVAL					

### **EXHIBIT:** A (2 of 2)

8.5x14 SHFFT:

17-7N-6W SHL: 20-7N-6W BHL-2

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





CONTINENTAL RESOURCES, INC (OPERATOR)

WILKERSON WELL: 35-051-24554 2-17-20XHS 2642 2640' X: 2009051 X: 2014333 Y: 638454 Y: 638459 X: 2040648 X: 2045930 X: 2011692 Y: 638412 Y: 638417 Y: 638456 X: 2043289 Y: 638414 2644, 2640 NW √ X-1 NE X: 2009059 X: 2014342 Y: 635809 Y: 635819 X: 2040656 X: 2045939 Y: 635767 Y: 635777 SRAPHIC SCAL 625, 312.5' ( 2644 SW SE 1234 X: 2011709 FWI Y: 633172 LP-2 X: 2043306 Y: 633131 X: 2009067 X: 2014351 ₩-X-4 X-2 — (W) Y: 633165 Y: 633180 X: 2045948 X: 2040664 Y: 633123 **₩-X-8** Y: 633138 ₩-X-9 251<sup>†</sup> FSL X-7-W **GPS DATUM** NAD-83 NAD-27 2639, 2639, OK SOUTH ZONE NE NW **US FEET** SCALE: 1" = 1250' X: 2009070 X: 2014356 Y: 630526 Y: 630540 X: 2045953 X: 2040667 Y: 630498 Y: 630484 **₩-X-5** 2639, 2639, SE SW X: 2011717 Y: 627894 X: 2043314 X: 2009073 Y: 627852 X: 2014361 ₩-X-6 BHL-2 Y: 627887 Y: 627901 X: 2045958 Y: 627859 X: 2040670 2644 2644

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:

Y: 627845

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.



Oklahoma PLS No.1196

DATE

CURRENT REV.: 0 Date Drawn: 12-12-18 EXHIBIT: \_

SHEET:

SHI:

BHL-2

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)

GRAPHIC SCALE

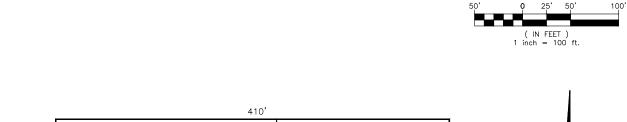
17 - 7N - 6W20 - 7N - 6W

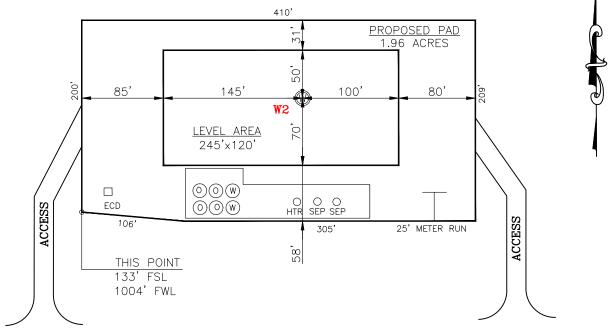
8.5x11

**GRADY** 

17\_\_\_ Township

\_ County Oklahoma 251' FSL<u>-12</u>34' FWL Section  $\frac{7N}{}$  Range  $\frac{6W}{}$  I.M.





CURRENT REV.: 0

DATUM: NAD-83

35°04'25.53" LAT:

<u>-97°51'37.09"</u> LONG:

LAT: 35.073758°

**LONG**: <u>-97.86030</u>4°

STATE PLANE **COORDINATES** 

(US FEET): OK SOUTH

X: 2010300

633419 Y:

This Information Was Gathered With a GPS Receiver With ±1 Foot Horiz./Vert. Accuracy

Certificate of Authorization No. 7318

Operator: CONTINENTAL RESOURCES, INC.

Lease Name: \_\_\_

Pasture Topography & Vegetation:

Good Drill Site? \_\_\_Yes Reference Stakes or Alternate Location Stakes Set: \_

Best Accessibility to Location: From The South Line

Distance & Direction From Hwy. or Town: Leaving Chickasha, OK, head east on SH-9 for 3.0 miles & turn left on SH-92. Head north for 2.0 miles & turn right on

E1340 Rd. Head east on E1340 Rd. for 1.17 miles to the proposed access on

the north side of E1340 Rd.

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

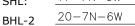
Well W2: WILKERSON 2-17-20XHS Well --:



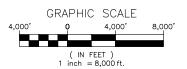
Prepared By: Petro Land Services South 10400 Vineyard Blvd. Suite C Oklahoma City, OK 73120

EXHIBIT: \_\_\_ 8.5x11 SHEET:

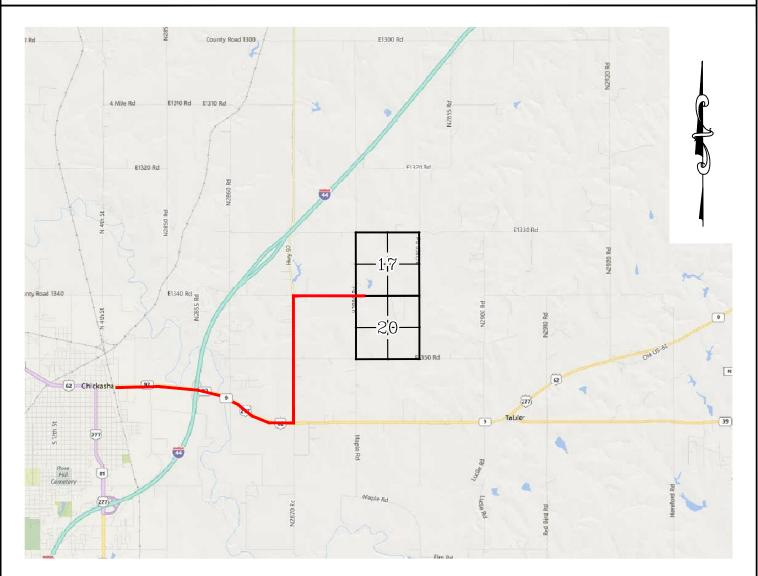
17-7N-6W SHL:







# VICINITY MAP



LEAVING CHICKASHA, OK, HEAD EAST ON SH-9 FOR 3.0 MILES & TURN LEFT ON SH-92. HEAD NORTH FOR 2.0 MILES AND TURN RIGHT ON E1340 RD. HEAD EAST ON E1340 RD. FOR 1.17 MILES TO THE PROPOSED ACCESS ON THE NORTH SIDE OF E1340 RD.

# CONTINENTAL RESOURCES, INC.

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

Certificate of Authorization No	. 7318 Section	17 Township	7NRange	6WI.M.	Well W2:	WILKERSON 2-17-20XHS
	County	GRADY	State	OK	Well:	
Prepared	<sub>Bv</sub> . Operato	r CONTINENT	TAL RESOURCES	, INC.		



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

EXHIBIT: \_\_\_\_\_

SHEET: 8.5x11 17-7N-6W

SHL:  $\frac{17-7N-6W}{20-7N-6W}$ 



WELL W2: WILKERSON 2-17-20XHS
WELL --: \_\_\_\_

## FACING NORTH



# FACING SOUTH



CURRENT REV.: 0



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

TERRAIN

DRAWN BY:	TJW	SCALE:	N.T.S.
CHECKED BY:	MJL	JOB No.:	
APPROVED BY:		DWG. NO.:	TERRAIN-1
DATE ISSUED:	12-12-18	SHEET:	1 OF 2

EXHIBIT: \_\_\_\_\_E SHEET: \_\_\_\_\_8.5x11

SHL:  $\frac{17-7N-6W}{20-7N-6W}$ 



WELL W2: WILKERSON 2-17-20XHS
WELL --: --

## FACING EAST



# FACING WEST



CURRENT REV.: 0



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

TERRAIN

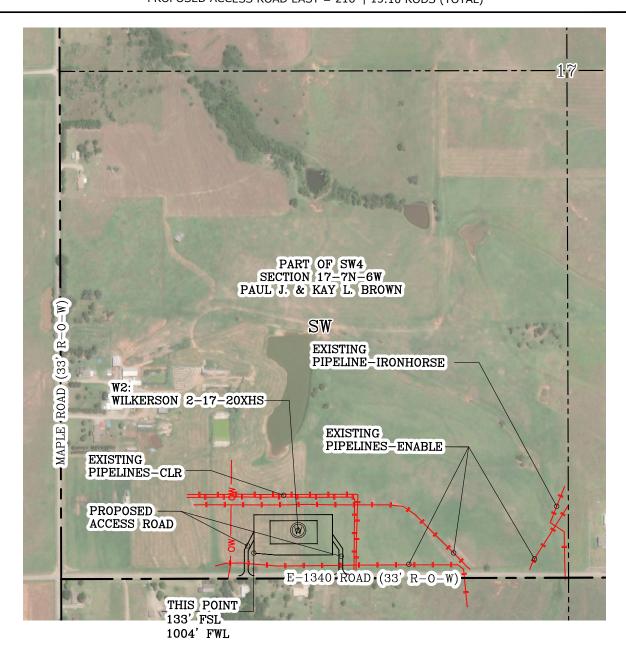
DRAWN BY:	TJW	SCALE:	N.T.S.
CHECKED BY:	MJL	JOB No.:	
APPROVED BY:		DWG. NO.:	TERRAIN-2
DATE ISSUED:	12-12-18	SHEET:	2 OF 2

SHL: 17-7N-6W BHL-2 20-7N-6W



WELL W2: WILKERSON 2-17-20XHS
WELL --: \_\_\_\_

PROPOSED ACCESS ROAD WEST = 225' | 13.64 RODS (TOTAL)
PROPOSED ACCESS ROAD EAST = 216' | 13.10 RODS (TOTAL)



Section  $\frac{17}{}$  Township  $\frac{7N}{}$  Range  $\frac{6W}{}$  I.M.

County \_\_\_\_\_State OK

Operator \_\_\_\_\_CONTINENTAL RESOURCES, INC.

GRAPHIC SCALE

250' 0 125' 250' 500'

( IN FEET )

1 inch = 500 ft.

CURRENT REV.: 0

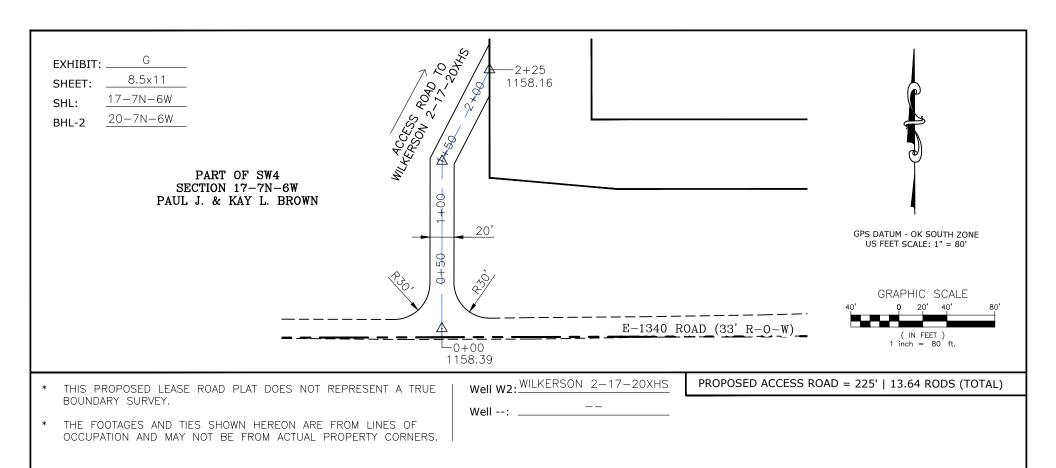


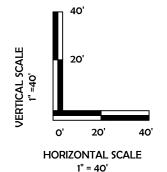
Prepared By: Petro Land Services South 10400 Vineyard Blvd. Suite C Oklahoma City, OK 73120

AERIAL PLAT

DRAWN BY:	TJW	SCALE:	1" = 500'
CHECKED BY:	MJL	JOB No.:	
APPROVED BY:		DWG. NO.:	AERIAL-1
DATE ISSUED:	12-12-18	SHEET:	1 OF 5

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





CURRENT REV.: 0



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



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

DRAWN BY:	TJW	SCALE:	AS NOTED
CHECKED BY:	MJL	JOB No.:	
APPROVED BY:		DWG. NO.:	P&P
DATE ISSUED:	12-12-18	SHEET:	2 OF 5

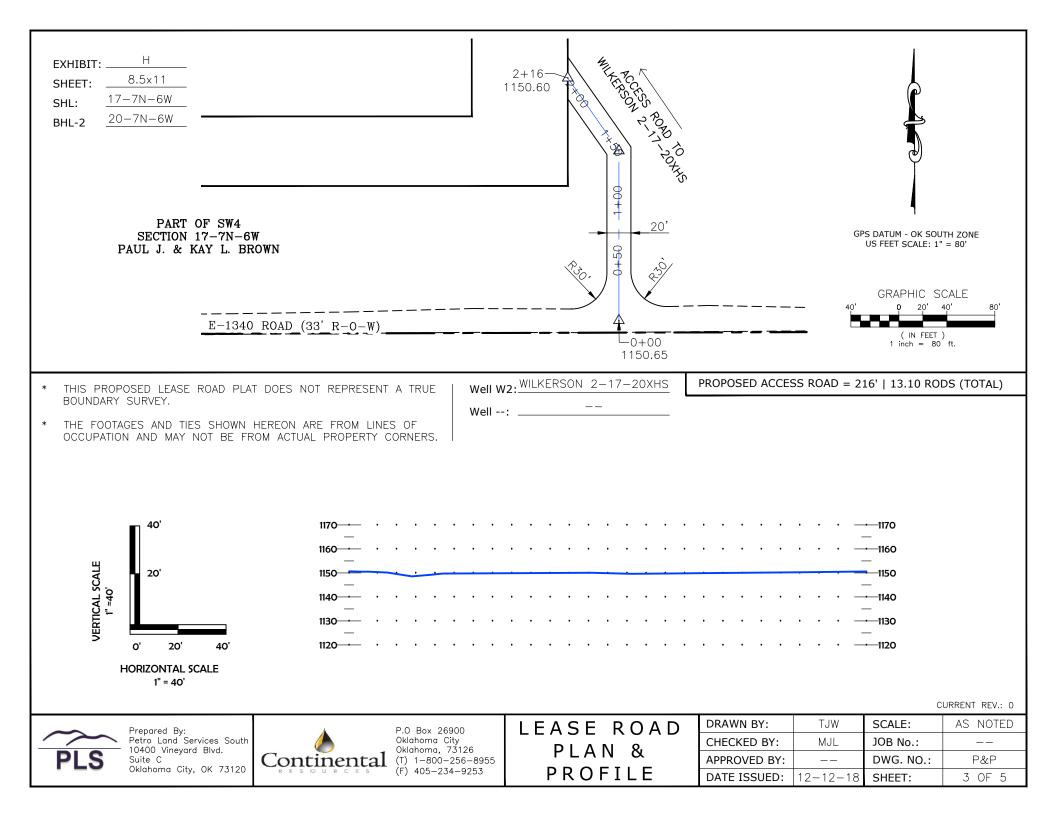


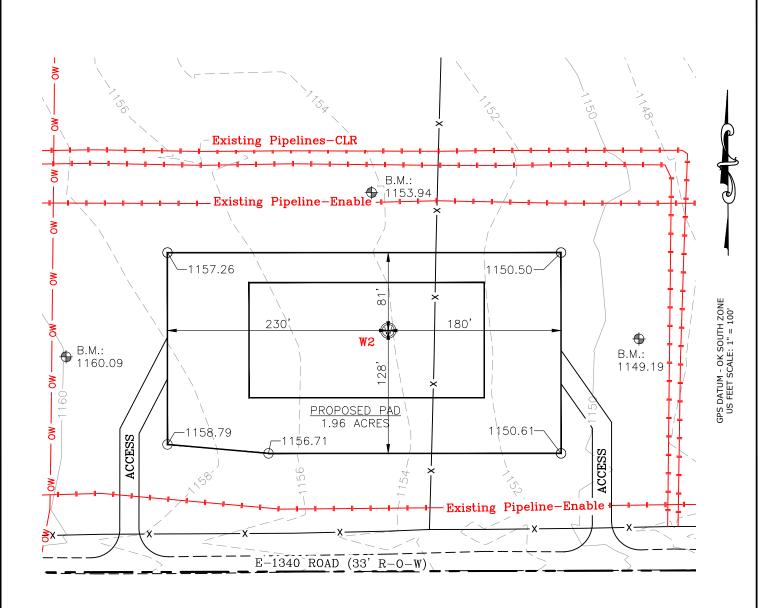
EXHIBIT: \_ 8.5x11 SHEET:

17 - 7N - 6WSHL:

20 - 7N - 6WBHL-2



WILKERSON 2-17-20XHS WELL W2: WELL --: GRAPHIC SCALE 100' ( IN FEET ) 1 inch = 100 ft.



CURRENT REV.: 0



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

EXISTING GRADING PLAN

DRAWN BY:	TJW	SCALE:	1" = 100'
CHECKED BY:	MJL	JOB No.:	
APPROVED BY:		DWG. NO.:	EX-GR.
DATE ISSUED:	12-12-18	SHEET:	4 OF 5

EXHIBIT: J

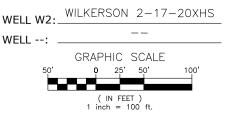
SHEET: 8.5x11

SHL: 17-7N-6W

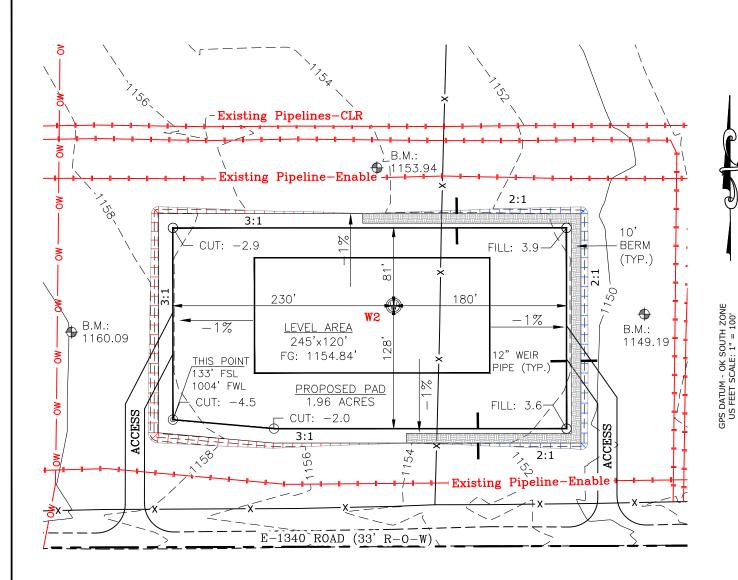
BHL-2

20 - 7N - 6W





## TOTAL PROPOSED DISTURBED AREA: 2.57 ACRES



CUT VOLUME 5282.61 CU. YD. | 6" OF STRIPPED TOP SOIL: 2,074.81 CU. YD. FILL VOLUME 5283.51 CU. YD. | BERM LENGTH: 628' (420.76 CU. YD.)

(CUT/FILL VOLUMES INCLUDE 6" OF STRIPPED TOP SOIL)

CURRENT REV.: 0



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

DRAWN BY:	TJW	SCALE:	1" = 100'
CHECKED BY:	MJL	JOB No.:	
APPROVED BY:		DWG. NO.:	PRO-GR.
DATE ISSUED:	12-12-18	SHEET:	5 OF 5