

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

API NUMBER: 039 22582

Approval Date: 08/21/2019

Expiration Date: 02/21/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 12N Rge: 14W

County: CUSTER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 600 660

Lease Name: HUNNICUTT

Well No: 1-21H

Well will be 600 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

ROGER D AND LATRUCE HUNNICUTT  
24155 E 1050 ROAD  
WEATHERFORD OK 73096

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

Name	Depth	Name	Depth
1 DES MOINES	12200	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 83615

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201903939

Special Orders:

Total Depth: 15680

Ground Elevation: 1679

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 330

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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

H. SEE MEMO

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

## HORIZONTAL HOLE 1

Sec 21 Twp 12N Rge 14W County CUSTER

Spot Location of End Point: NE NE NW NW

Feet From: NORTH 1/4 Section Line: 195

Feet From: WEST 1/4 Section Line: 1205

Depth of Deviation: 9925

Radius of Turn: 477

Direction: 315

Total Length: 5001

Measured Total Depth: 15680

True Vertical Depth: 12200

End Point Location from Lease,  
Unit, or Property Line: 195

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

8/5/2019 - 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

8/5/2019 - 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](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

8/21/2019 - GC2 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

#### PENDING CD - 201903939

8/9/2019 - GC2 - (I.O.) 21-12N-14W  
X83615 DSMN  
COMPL. INT. NCT 1,320' FSL, NCT 330' FNL, NCT 1,320' FWL, NCT 1,320' FEL  
NO OP. NAMED  
REC. 8-20-2019 (PRESLAR)

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

039 22582 HUNNICUTT 1-21H

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.

Category

SPACING - 83615

Description

8/9/2019 - GC2 - (640) 21-12N-14W  
EXT 42143/62984 DSMN, OTHER  
EST 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.

API: 039-22582

EXHIBIT: A (1 of 2)  
 SHEET: 8.5x11  
 SHL: 21-12N-14W  
 BHL-1 21-12N-14W



## COVER SHEET

**CONTINENTAL RESOURCES, INC.**

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

Section 21 Township 12N Range 14W I.M.Well: HUNNICUTT 1-21HCounty CUSTER State OKWell: --Operator CONTINENTAL RESOURCES, INC.

## NAD-83

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	HUNNICUTT 1-21H	180928	1766512	35° 29' 42.32" -98° 40' 42.69"	35.495088 -98.678524	600' FSL / 660' FEL (SE/4 SEC 21)	1679.07'	1678.73'
LP-1	LANDING POINT	181225	1766166	35° 29' 45.23" -98° 40' 46.89"	35.495898 -98.679691	895' FSL / 1007' FEL (SE/4 SEC 21)	--	--
BHL-1	BOTTOM HOLE LOCATION	185425	1763114	35° 30' 26.56" -98° 41' 24.16"	35.507376 -98.690045	195' FNL / 1205' FWL (NW/4 SEC 21)	--	--
X-1	HUNNICUTT #1-21	180993	1765845	35° 29' 42.91" -98° 40' 50.75"	35.495253 -98.680764	21-12N-14W:   TD: 12,678'   660' FSL / 1,327' FEL	--	--

## NAD-27

POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W1	HUNNICUTT 1-21H	180903	1798111	35° 29' 42.13" -98° 40' 41.43"	35.495035 -98.678174	600' FSL / 660' FEL (SE/4 SEC 21)	1679.07'	1678.73'
LP-1	LANDING POINT	181200	1797766	35° 29' 45.04" -98° 40' 45.63"	35.495845 -98.679341	895' FSL / 1007' FEL (SE/4 SEC 21)	--	--
BHL-1	BOTTOM HOLE LOCATION	185400	1794713	35° 30' 26.37" -98° 41' 22.90"	35.507324 -98.689694	195' FNL / 1205' FWL (NW/4 SEC 21)	--	--
X-1	HUNNICUTT #1-21	180968	1797445	35° 29' 42.72" -98° 40' 49.49"	35.495201 -98.680414	21-12N-14W:   TD: 12,678'   660' FSL / 1,327' FEL	--	--

Certificate of Authorization No. 7318

Date Staked: \*\*--\*\*--19  
 Date Drawn: 07-31-19



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

## REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	07-31-19	MJL	ISSUED FOR APPROVAL	--
01	08-01-19	MJL	CHANGED WELL NAME	REV'D ALL EXHIBITS
02	08-01-19	MJL	ADDED HARD LINE INFORMATION	REV'D EXHIBITS A1 & A2
03	08-01-19	MJL	ADJUSTED LANDING POINT	REV'D EXHIBITS A1 & A2

EXHIBIT: A (2 of 2)  
SHEET: 8.5x14  
SHL: 21-12N-14W  
BHL-1 21-12N-14W

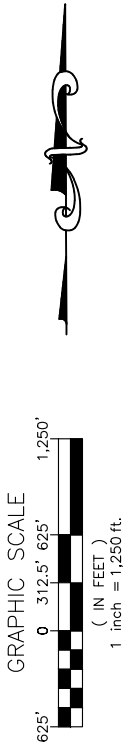
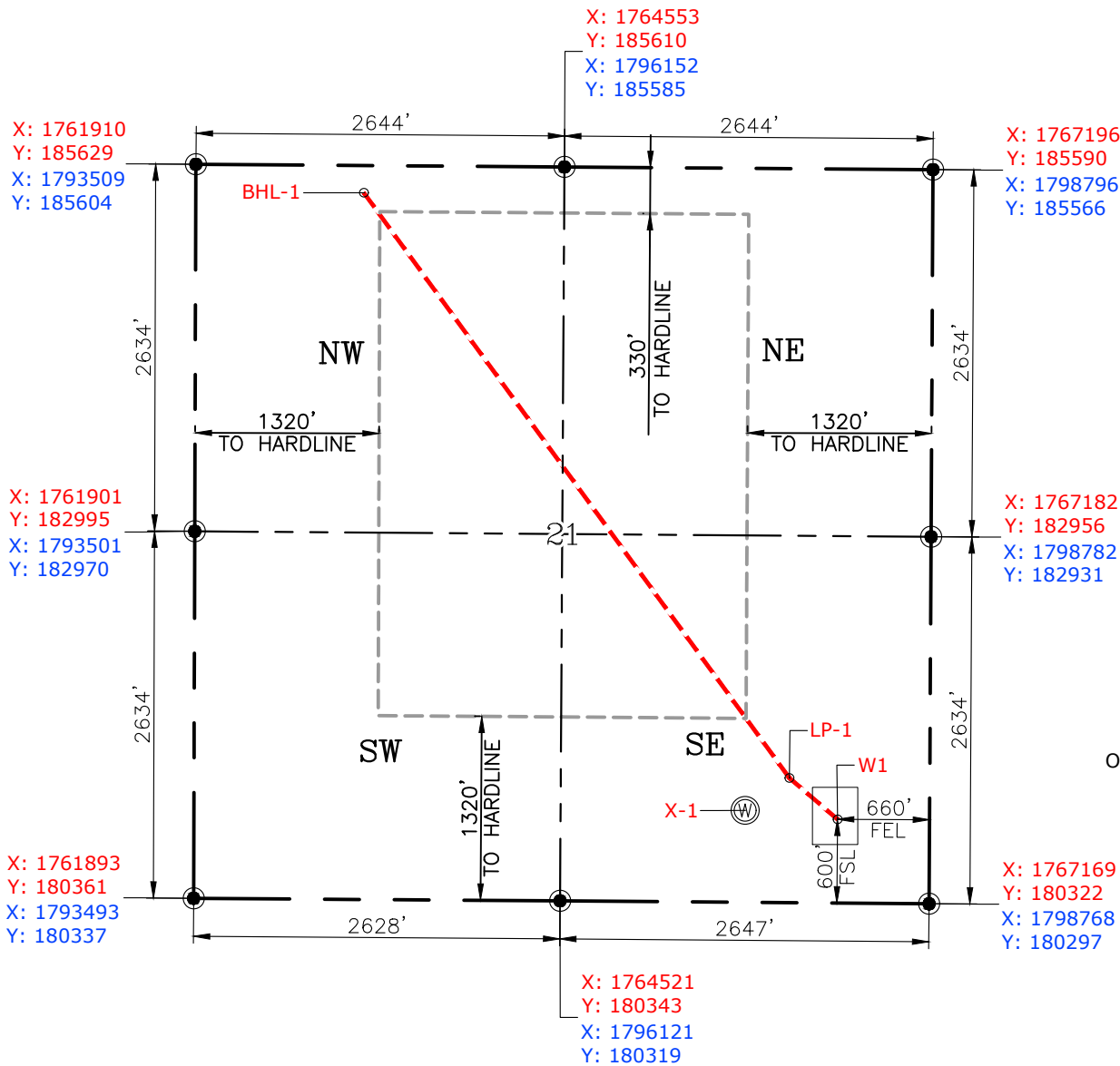
PETRO LAND SERVICES SOUTH, LLC  
10400 VINEYARD BLVD. SUITE C, OKLA. CITY, OKLA. 73120 \* OFFICE (405) 212-3108  
Certificate of Authorization No. 7318



CONTINENTAL  
RESOURCES, INC  
(OPERATOR)

CUSTER County Oklahoma  
600' FSL-660' FEL Section 21 Township 12N Range 14W I.M.

WELL: HUNNICUTT 1-21H



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

CURRENT REV.: 3

Date Drawn: 07-31-19

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: B  
SHEET: 8.5x11  
SHL: 21-12N-14W  
BHL-1 21-12N-14W

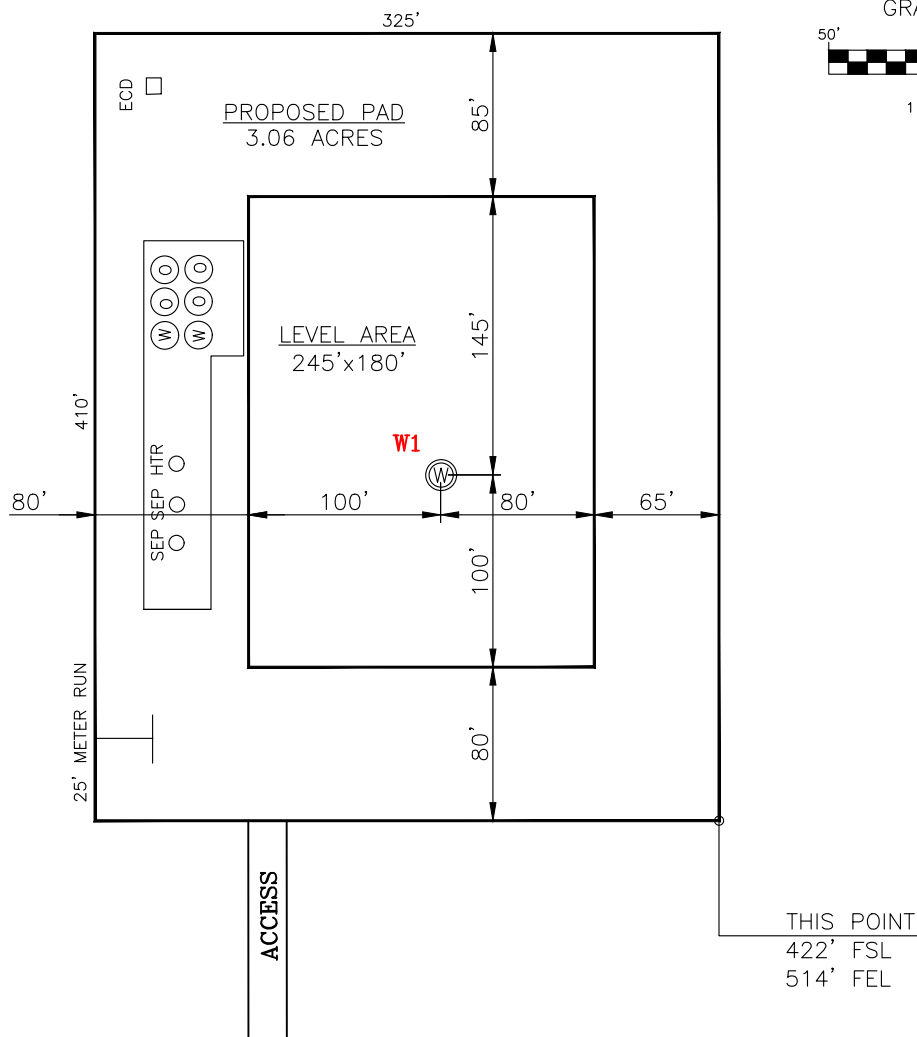
# PETRO LAND SERVICES SOUTH, LLC

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



CONTINENTAL  
RESOURCES, INC  
(OPERATOR)

CUSTER County Oklahoma  
600' FSL-660' FEL Section 21 Township 12N Range 14W I.M.



CURRENT REV.: 3

DATUM: NAD-83  
LAT: 35°29'42.32"  
LONG: -98°40'42.69"  
LAT: 35.495088°  
LONG: -98.678524°

STATE PLANE  
COORDINATES  
(US FEET): OK NORTH

X: 1766512  
Y: 180928

Operator: CONTINENTAL RESOURCES, INC.

Lease Name: --

Topography & Vegetation: Pasture

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set: No

Best Accessibility to Location: From The South Line

Distance & Direction From Hwy. or Town: Leaving Weatherford, head east on Main St. for 1.0 mile, turn right & head south on Airport Rd. (N-2430 Rd.) for 3.0 miles. Turn right and head west on E-1050 Rd. for 1.14 miles to the proposed access on the north side of E-1050 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 W1: HUNNICUTT 1-21H

Well --: --

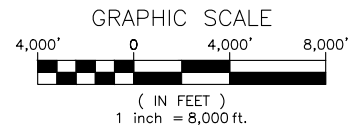


Prepared By:  
Petro Land Services South  
10400 Vineyard Blvd.  
Suite C  
Oklahoma City, OK 73120

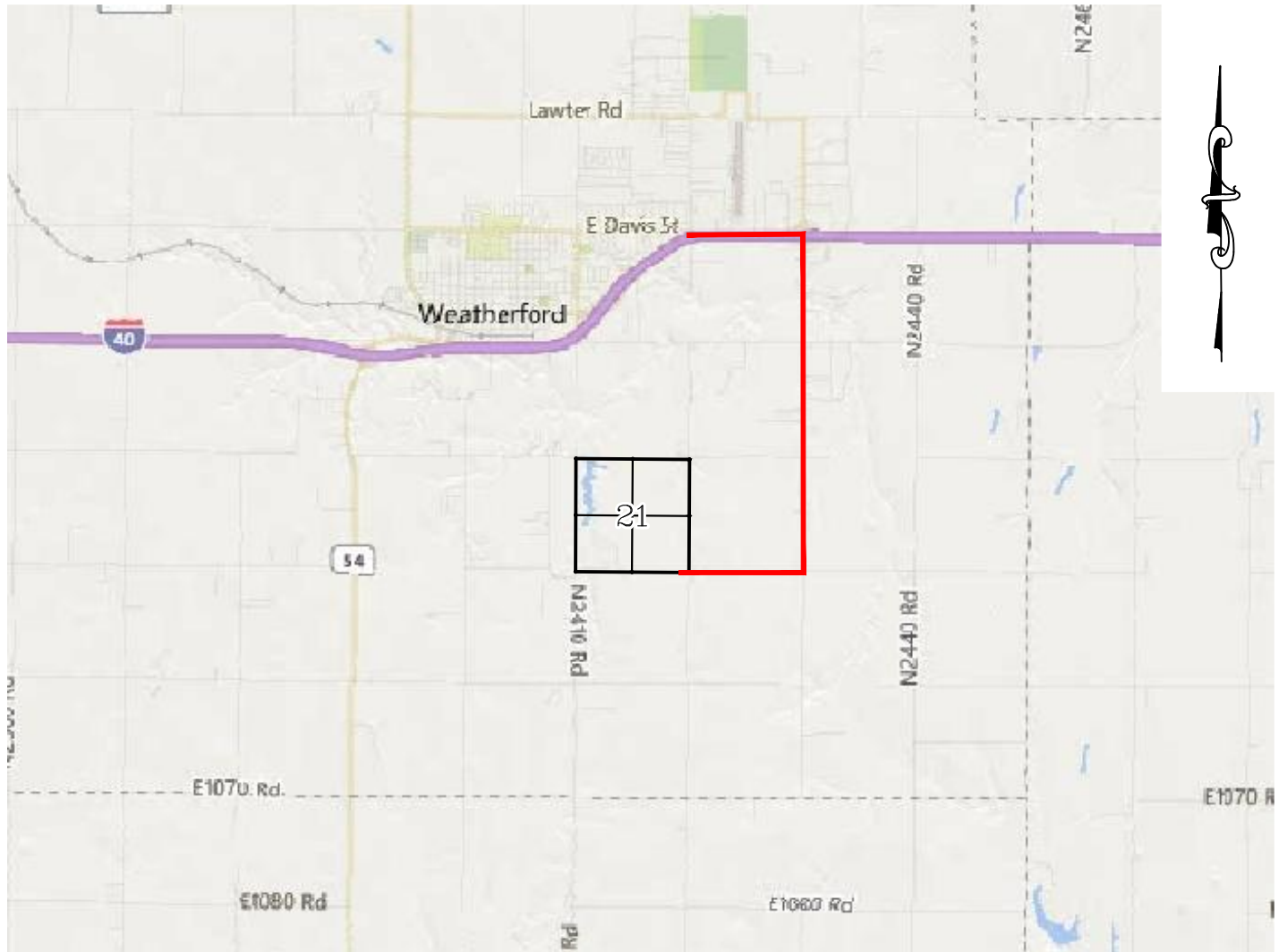
(This Information Was Gathered  
With a GPS Receiver With ±1  
Foot Horiz./Vert. Accuracy)

Certificate of Authorization No. 7318

EXHIBIT: C  
SHEET: 8.5x11  
SHL: 21-12N-14W  
BHL-1 21-12N-14W



## VICINITY MAP



LEAVING WEATHERFORD, HEAD EAST ON MAIN ST. FOR 1.0 MILE, TURN RIGHT & HEAD SOUTH ON AIRPORT RD. (N-2430 RD.) FOR 3.0 MILES. TURN RIGHT & HEAD WEST ON E-1050 RD. FOR 1.14 MILES TO THE PROPOSED ACCESS ON THE NORTH SIDE OF E-1050 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



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

Section 21 Township 12N Range 14W I.M. Well W1: HUNNICUTT 1-21H  
County CUSTER State OK Well --: --  
Operator CONTINENTAL RESOURCES, INC.

CURRENT REV.: 3

EXHIBIT:       D        
SHEET:       8.5x11        
SHL:       21-12N-14W        
BHL-1       21-12N-14W      



WELL W1:       HUNNICUTT 1-21H        
WELL --:       --      

FACING NORTH

(NO IMAGES AVAILABLE)

FACING SOUTH

(NO IMAGES AVAILABLE)

CURRENT REV.: 3



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

TERRAIN

DRAWN BY:	MJL	SCALE:	N.T.S.
CHECKED BY:	RJB	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	TERRAIN-1
DATE ISSUED:	07-31-19	SHEET:	1 OF 2



EXHIBIT: E  
SHEET: 8.5x11  
SHL: 21-12N-14W  
BHL-1 21-12N-14W



WELL W1: HUNNICUTT 1-21H  
WELL --: --

FACING EAST

(NO IMAGES AVAILABLE)

FACING WEST

(NO IMAGES AVAILABLE)

CURRENT REV.: 3



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

TERRAIN

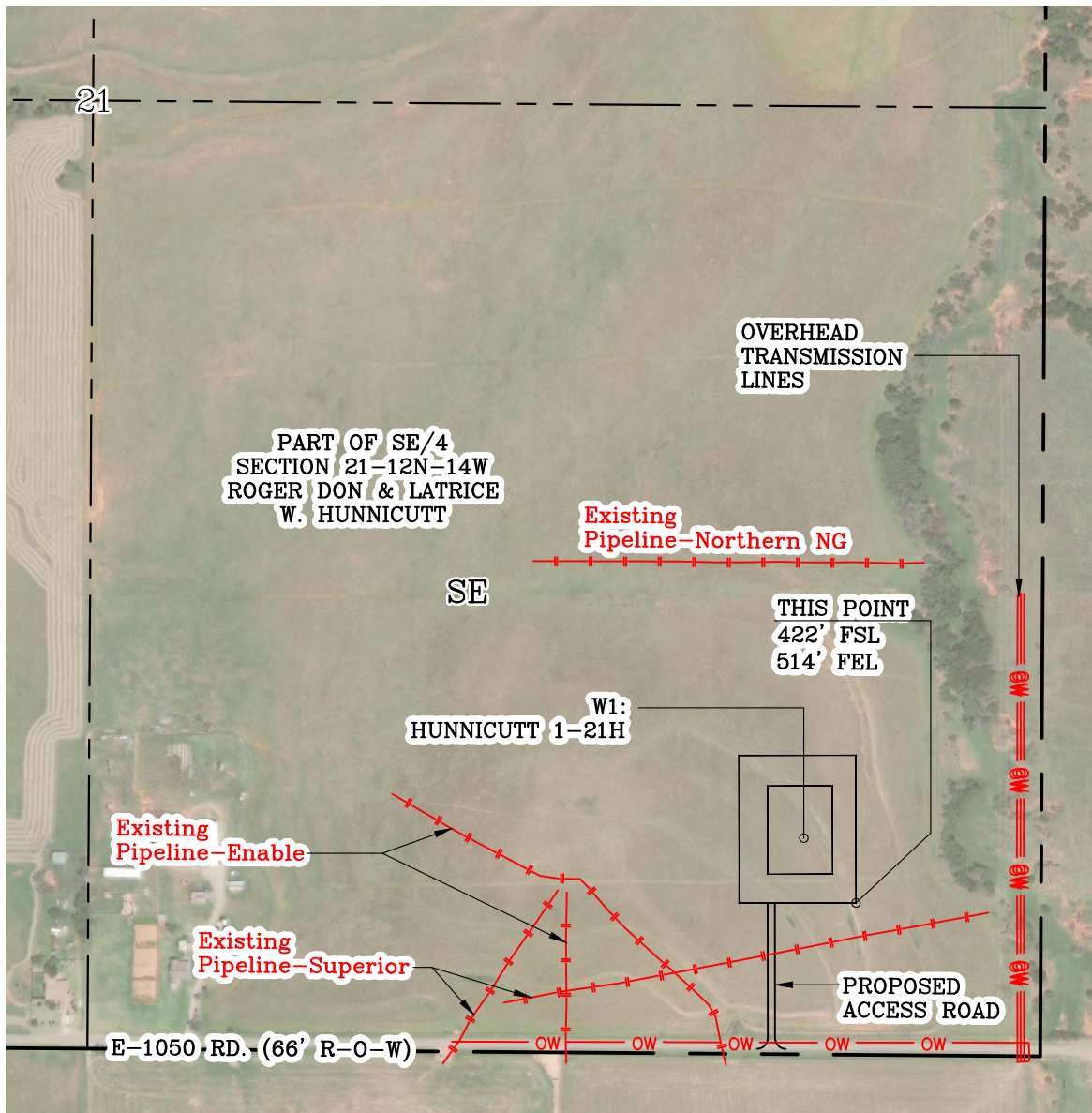
DRAWN BY:	MJL	SCALE:	N.T.S.
CHECKED BY:	RJB	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	TERRAIN-2
DATE ISSUED:	07-31-19	SHEET:	2 OF 2

EXHIBIT: F  
SHEET: 8.5x11  
SHL: 21-12N-14W  
BHL-1 21-12N-14W



WELL W1: HUNNICUTT 1-21H  
WELL --: --

PROPOSED ACCESS ROAD = 414' | 25.09 RODS (TOTAL)

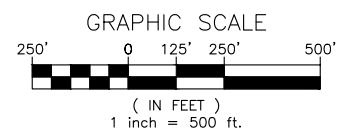


GPS DATUM - OK NORTH ZONE  
US FEET SCALE: 1" = 500'

Section 21 Township 12N Range 14W I.M.

County CUSTER State OK

Operator CONTINENTAL RESOURCES, INC.



CURRENT REV.: 3



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

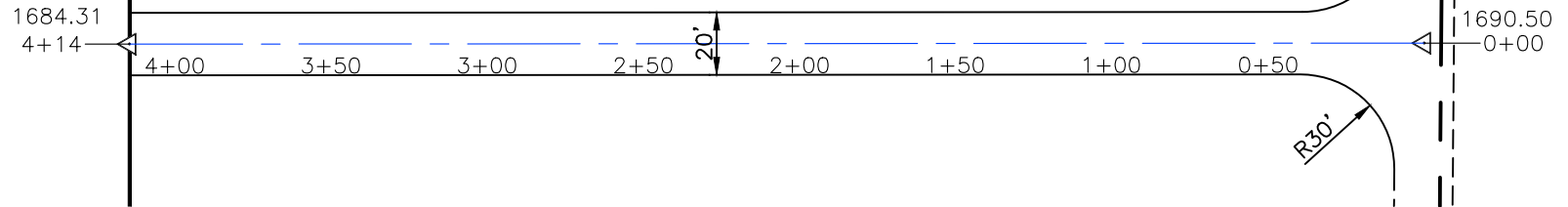
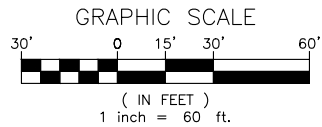
## AERIAL PLAT

DRAWN BY:	MJL	SCALE:	1" = 500'
CHECKED BY:	RJB	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	AERIAL-1
DATE ISSUED:	07-31-19	SHEET:	1 OF 4

SE/4  
SECTION 21-12N-14W  
ROGER DON & LATRICE W.  
HUNNICUTT

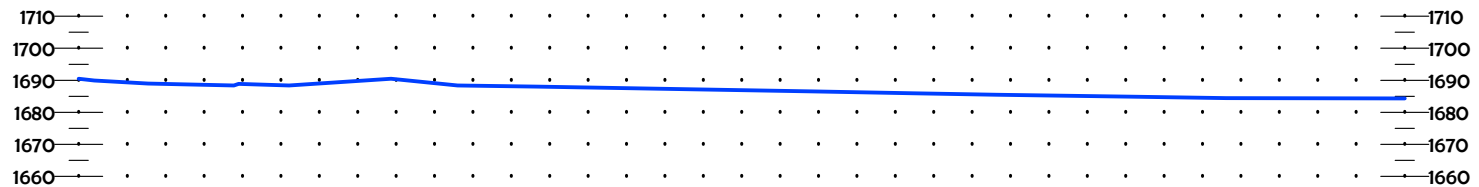
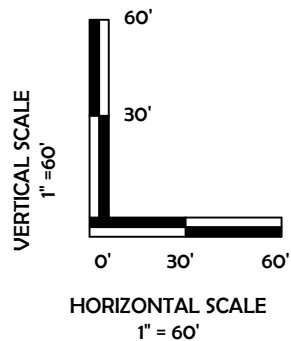


1684.31  
4+14—

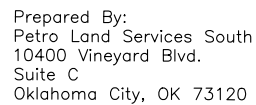


- Well W1: HUNNICUTT 1-21H  
Well --: --

PROPOSED ACCESS ROAD = 414' | 25.09 RODS (TOTAL)



CURRENT REV.: 3



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

# LEASE ROAD PLAN & PROFILE

<b>DRAWN BY:</b>	MJL	<b>SCALE:</b>	AS NOTED
<b>CHECKED BY:</b>	RJB	<b>JOB No.:</b>	--
<b>APPROVED BY:</b>	--	<b>DWG. NO.:</b>	P&P
<b>DATE ISSUED:</b>	07-31-19	<b>SHEET:</b>	2 OF 4

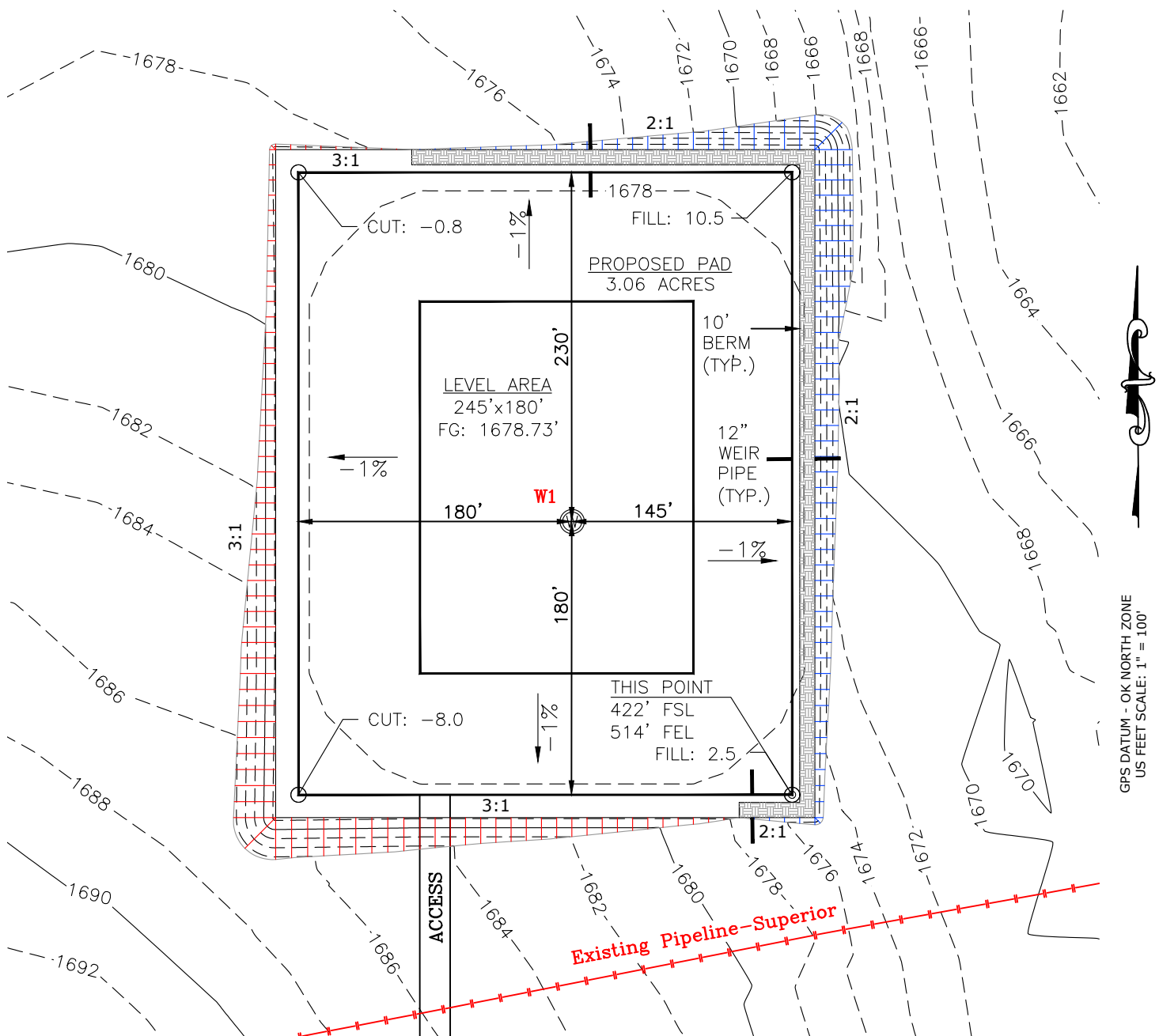


EXHIBIT: I  
SHEET: 8.5x11  
SHL: 21-12N-14W  
BHL-1 21-12N-14W



WELL W1: HUNNICUTT 1-21H  
WELL --: --  
GRAPHIC SCALE  
50' 0 25' 50' 100'  
( IN FEET )  
1 inch = 100 ft.

TOTAL PROPOSED DISTURBED AREA: 4.07 ACRES



CUT VOLUME 11300.17 CU. YD. | 6" OF STRIPPED TOP SOIL: 3,286.69 CU. YD.  
FILL VOLUME 11303.59 CU. YD. | BERM LENGTH: 735' (492.45 CU. YD.)  
(CUT/FILL VOLUMES INCLUDE 6" OF STRIPPED TOP SOIL)

CURRENT REV.: 3



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

## PROPOSED GRADING PLAN

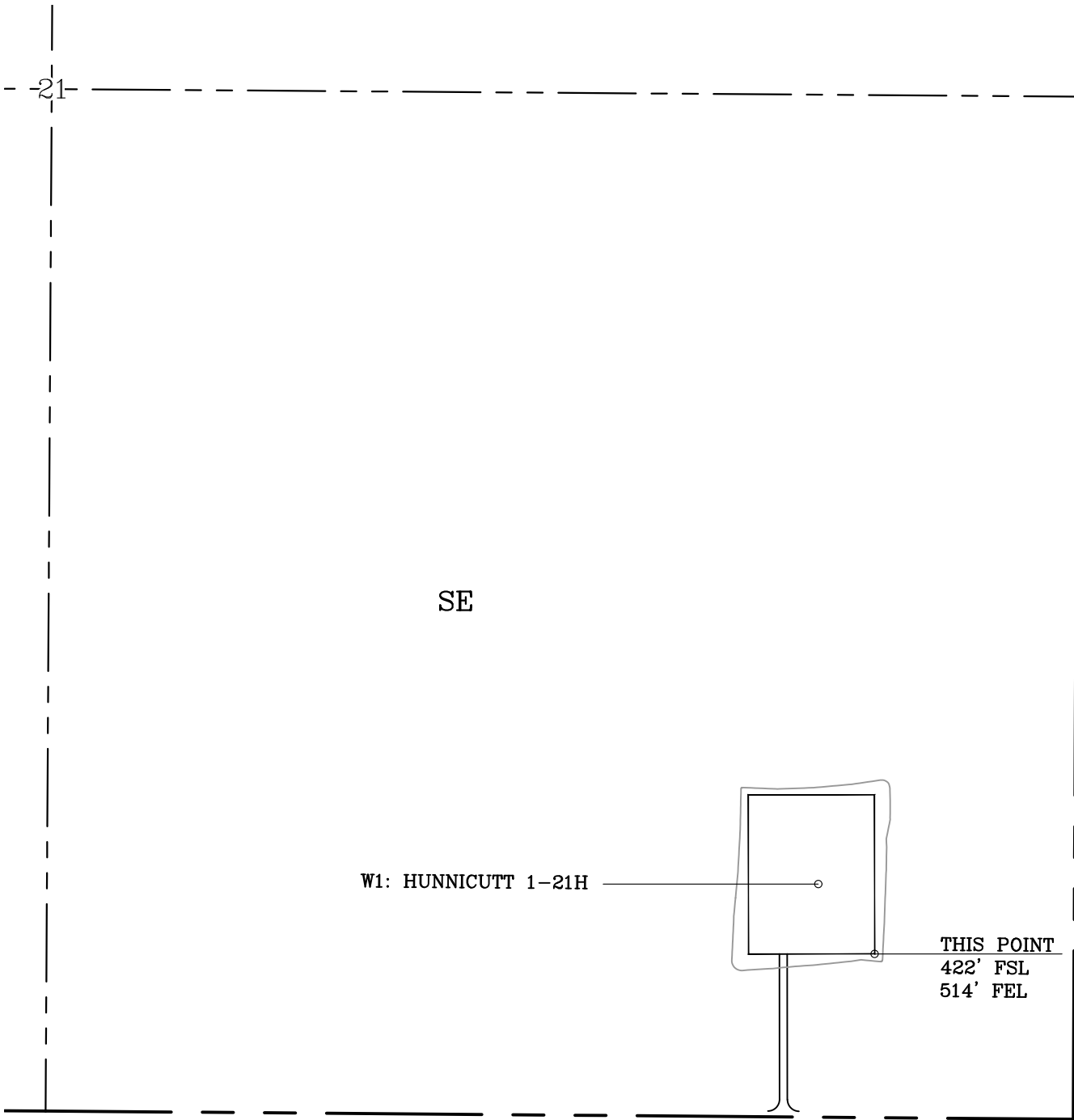
DRAWN BY:	MJL	SCALE:	1" = 100'
CHECKED BY:	RJB	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	PRO-GR.
DATE ISSUED:	07-31-19	SHEET:	4 OF 4

EXHIBIT "A"

TABLE OF QUANTITIES

DISTURBED AREA = 4.07 ACRES  
ACCESS ROAD = ±414'

LOCATED ON THE LANDS OF:  
ROGER DON & LATRICE W.  
HUNNICUTT  
  
SE/4 SEC 21-12N-14W  
CUSTER COUNTY, OKLAHOMA



GENERAL NOTES:

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

**LEGEND**

PROPOSED WELL PAD

PROPOSED DISTURBED AREA

SECTION LINE

QUARTER SECTION LINE

GPS DATUM  
OK NORTH ZONE  
US FEET SCALE: 1" = 400'

PREPARED BY:

Petroland Services South, LLC  
10400 Vineyard Blvd.  
Suite C  
Oklahoma City, OK 73120

Drawn By:	MJL	Date:	07-31-19
Checked By:	RJB	Scale:	1" = 400'
Sheet Size:	8.5x14	Sheet No.	1 of 1
REV.	Description	Date	
0	ISSUED FOR APPROVAL	07-31-19	
1	CHANGED WELL NAME	08-01-19	
2	ADD HARDLINE INFORMATION	08-01-19	
3	ADJUSTED LANDING POINT	08-01-19	