

API NUMBER: 011 24230 A

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

Approval Date: 09/21/2021
Expiration Date: 03/21/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 34 Township: 15N Range: 13W County: BLAINE

SPOT LOCATION: ☐ NE ☐ SW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 456 2220

Lease Name: RANDOLPH Well No: 4-34-27XHM Well will be 456 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349000; OTC/OCC Number: 3186 0

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

CRAIG T. & CAROLYN A. COWAN, ET AL
500 SUNSET DRIVE
WATONGA OK 74377

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	12365

Spacing Orders: 686029

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202101732

Working interest owners' notified: ***

Special Orders: No Special

202101733

Total Depth: 22254

Ground Elevation: 1700

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 120

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: 21-37778

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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 20000

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

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.

HORIZONTAL HOLE 1

Section: 27 Township: 15N Range: 13W Meridian: IM Total Length: 9581
 County: BLAINE Measured Total Depth: 22254
 Spot Location of End Point: S2 SW SW NE True Vertical Depth: 12500
 Feet From: **NORTH** 1/4 Section Line: 2632 End Point Location from
 Feet From: **EAST** 1/4 Section Line: 2310 Lease,Unit, or Property Line: 2310

NOTES:

Category	Description
DEEP SURFACE CASING	[8/25/2021 - 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>[8/25/2021 - 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: OCCEWEB.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	[8/25/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202101732	<p>[9/21/2021 - GC2] - (I.O.) S2 27 & 34-15N-13W X686029 MSSP COMPL. INT. (34-15N-13W) NCT 150' FSL, NCT 660' FEL COMPL. INT. (S2 27-15N-13W) NCT 150' FNL, NCT 660' FEL NO OP NAMED REC. 9-14-2021 (HAMILTON)</p>
PENDING CD - 202101733	<p>[9/21/2021 - GC2] - S2 27 & 34-15N-13W X686029 MSSP 2 WELLS NO OP NAMED REC. 9-14-2021 (HAMILTON)</p>
SPACING - 686029	<p>[9/21/2021 - GC2] - (960)(HOR) S2 27 & 34-15N-13W EST MSSP, OTHER COMPL. INT. NCT 660' FUB</p>

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.

011 24230 RANDOLPH 4-34-27XHM

EXHIBIT: A (1 of 3)
SHEET: 8.5x11
SHL: 34-15N-13W
BHL-4 27-15N-13W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 34 Township 15N Range 13W I.M. Well: RANDOLPH 4-34-27XHM
County BLAINE State OK
Operator CONTINENTAL RESOURCES, INC.

NAD-83								
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W4	RANDOLPH 4-34-27XHM	264943	1799713	35° 43' 35.30" -98° 34' 07.13"	35.726472 -98.568648	456' FSL / 2220' FEL (SE/4 SEC 34)	1700.72'	1703.27'
LP-4	LANDING POINT	264943	1799623	35° 43' 35.30" -98° 34' 08.22"	35.726472 -98.568951	456' FSL / 2310' FEL (SE/4 SEC 34)	--	--
BHL-4	BOTTOM HOLE LOCATION	272395	1799663	35° 44' 49.00" -98° 34' 08.28"	35.746944 -98.568966	2632' FNL / 2310' FEL (NE/4 SEC 27)	--	--
X-1	L.M. GODWIN #1	273060	1798692	35° 44' 55.52" -98° 34' 20.09"	35.748755 -98.572249	27-15N-13W: TD: 11,358' 1,976' FNL / 1,980' FWL	--	--
X-2	GODWIN #1-27	273726	1798036	35° 45' 02.06" -98° 34' 28.10"	35.750573 -98.574473	27-15N-13W: TD: 10,800' 1,316' FNL / 1,320' FWL	--	--
X-3	COWAN #1	271769	1798025	35° 44' 42.71" -98° 34' 28.10"	35.745198 -98.574472	27-15N-13W: TD: 11,086' 2,000' FSL / 1,320' FWL	--	--
X-4	DAVIS #1-27	271487	1800654	35° 44' 40.07" -98° 33' 56.19"	35.744464 -98.565608	27-15N-13W: TD: 11,050' 1,740' FSL / 1,313' FEL	--	--
X-5	FORNEY #1	273703	1800668	35° 45' 01.99" -98° 33' 56.18"	35.750553 -98.565605	27-15N-13W: TD: 11,025' 1,316' FNL / 1,314' FEL	--	--
X-6	GODWIN #27-1	273476	1799157	35° 44' 59.66" -98° 34' 14.49"	35.749905 -98.570692	27-15N-13W: TD: 10,950' 1,556' FNL / 2,442' FWL	--	--
X-7	LADYBUG 27-22-15N-13W 1HX	273032	1801729	35° 44' 55.41" -98° 33' 43.25"	35.748725 -98.562015	27-15N-13W: TD: 20,065' 1,979' FNL / 248' FEL	--	--
X-8	COWAN #1-34	266194	1797983	35° 43' 47.57" -98° 34' 28.21"	35.729881 -98.574503	34-15N-13W: TD: 11,180' 1,695' FSL / 1,320' FWL	--	--
X-9	LITSCH #1	265800	1800617	35° 43' 43.83" -98° 33' 56.23"	35.728842 -98.565620	34-15N-13W: TD: 11,180' 1,320' FSL / 1,320' FEL	--	--
X-10	COWAN #1-34	265164	1797314	35° 43' 37.34" -98° 34' 36.25"	35.727040 -98.576736	34-15N-13W: TD: 11,241' 660' FSL / 660' FWL	--	--
X-11	COWAN #1-34	268453	1798152	35° 44' 09.92" -98° 34' 26.32"	35.736090 -98.573978	34-15N-13W: TD: 11,125' 1,315' FNL / 1,470' FWL	--	--
X-12	COWAN #34-1	265544	1798657	35° 43' 41.18" -98° 34' 19.99"	35.728107 -98.572218	34-15N-13W: TD: 11,255' 1,050' FSL / 2,000' FWL	--	--
X-13	RANDOLPH #1-34-27XHM	264753	1801703	35° 43' 33.53" -98° 33' 42.99"	35.725982 -98.561943	34-15N-13W: TD: 19,839' 280' FSL / 230' FEL	--	--
X-14	L.M. GODWIN #1	267779	1799971	35° 44' 03.36" -98° 34' 04.21"	35.734267 -98.567835	34-15N-13W: TD: 11,156' 1,974' FNL / 1,975' FEL	--	--

Certificate of Authorization No. 7318

Date Staked: **--**--21
Date Drawn: 06-07-19



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	06-07-19	HDG	ISSUED FOR APPROVAL	--
01	07-01-19	HDG	REV'D FBP LOCATION	REV'D SHEETS B,F,H & I
02	07-17-19	HDG	ADDED PARKING AREA	REV'D SHEETS A1-2,B,F,H & I
03	08-10-21	HDG	REMOVED RANDOLPH 5/REV'D WELL NAME/BHL	REV'D ALL SHEETS
04	08-12-21	HDG	REV'D WELL NAME	REV'D ALL SHEETS

EXHIBIT: A (2 of 3)
 SHEET: 8.5x11
 SHL: 34-15N-13W
 BHL-4 27-15N-13W



COVER SHEET CONTINUED...

CONTINENTAL RESOURCES, INC.

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

Section 34 Township 15N Range 13W I.M. Well: RANDOLPH 4-34-27XHM
 County BLAINE State OK
 Operator CONTINENTAL RESOURCES, INC.

NAD-27							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W4	RANDOLPH 4-34-27XHM	264918	1831314	35° 43' 35.13" -98° 34' 05.86"	35.726425 -98.568294	456' FSL / 2220' FEL (SE/4 SEC 34)	1700.72'	1703.27'
LP-4	LANDING POINT	264918	1831224	35° 43' 35.13" -98° 34' 06.95"	35.726424 -98.568597	456' FSL / 2310' FEL (SE/4 SEC 34)	--	--
BHL-4	BOTTOM HOLE LOCATION	272370	1831264	35° 44' 48.83" -98° 34' 07.00"	35.746897 -98.568611	2632' FNL / 2310' FEL (NE/4 SEC 27)	--	--
X-1	L.M. GODWIN #1	273035	1830294	35° 44' 55.35" -98° 34' 18.82"	35.748708 -98.571894	27-15N-13W: TD: 11,358' 1,976' FNL / 1,980' FWL	--	--
X-2	GODWIN #1-27	273701	1829637	35° 45' 01.89" -98° 34' 26.83"	35.750526 -98.574118	27-15N-13W: TD: 10,800' 1,316' FNL / 1,320' FWL	--	--
X-3	COWAN #1	271744	1829626	35° 44' 42.54" -98° 34' 26.82"	35.745151 -98.574118	27-15N-13W: TD: 11,086' 2,000' FSL / 1,320' FWL	--	--
X-4	DAVIS #1-27	271462	1832255	35° 44' 39.90" -98° 33' 54.91"	35.744417 -98.565254	27-15N-13W: TD: 11,050' 1,740' FSL / 1,313' FEL	--	--
X-5	FORNEY #1	273678	1832269	35° 45' 01.82" -98° 33' 54.90"	35.750506 -98.565251	27-15N-13W: TD: 11,025' 1,316' FNL / 1,314' FEL	--	--
X-6	GODWIN #27-1	273451	1830758	35° 44' 59.49" -98° 34' 13.21"	35.749858 -98.570337	27-15N-13W: TD: 10,950' 1,556' FNL / 2,442' FWL	--	--
X-7	LADYBUG 27-22-15N-13W 1HX	273007	1833330	35° 44' 55.24" -98° 33' 41.98"	35.748678 -98.561661	27-15N-13W: TD: 20,065' 1,979' FNL / 248' FEL	--	--
X-8	COWAN #1-34	266169	1829584	35° 43' 47.40" -98° 34' 26.94"	35.729833 -98.574149	34-15N-13W: TD: 11,180' 1,695' FSL / 1,320' FWL	--	--
X-9	LITSCH #1	265775	1832218	35° 43' 43.66" -98° 33' 54.96"	35.728795 -98.565266	34-15N-13W: TD: 11,180' 1,320' FSL / 1,320' FEL	--	--
X-10	COWAN #1-34	265139	1828915	35° 43' 37.17" -98° 34' 34.98"	35.726992 -98.576382	34-15N-13W: TD: 11,241' 660' FSL / 660' FWL	--	--
X-11	COWAN #1-34	268428	1829753	35° 44' 09.75" -98° 34' 25.04"	35.736042 -98.573623	34-15N-13W: TD: 11,125' 1,315' FNL / 1,470' FWL	--	--
X-12	COWAN #34-1	265519	1830258	35° 43' 41.01" -98° 34' 18.71"	35.728059 -98.571864	34-15N-13W: TD: 11,255' 1,050' FSL / 2,000' FWL	--	--
X-13	RANDOLPH #1-34-27XHM	264728	1833303	35° 43' 33.36" -98° 33' 41.72"	35.725934 -98.561589	34-15N-13W: TD: 19,839' 280' FSL / 230' FEL	--	--
X-14	L.M. GODWIN #1	267754	1831572	35° 44' 03.19" -98° 34' 02.93"	35.734219 -98.567481	34-15N-13W: TD: 11,156' 1,974' FNL / 1,975' FEL	--	--

Certificate of Authorization No. 7318

Date Staked: **--**--21
 Date Drawn: 06-07-19



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

CURRENT REV.: 4

Oklahoma PLS No.1860 DATE

EXHIBIT: B
SHEET: 8.5x11
SHL: 34-15N-13W
BHL-4 27-15N-13W

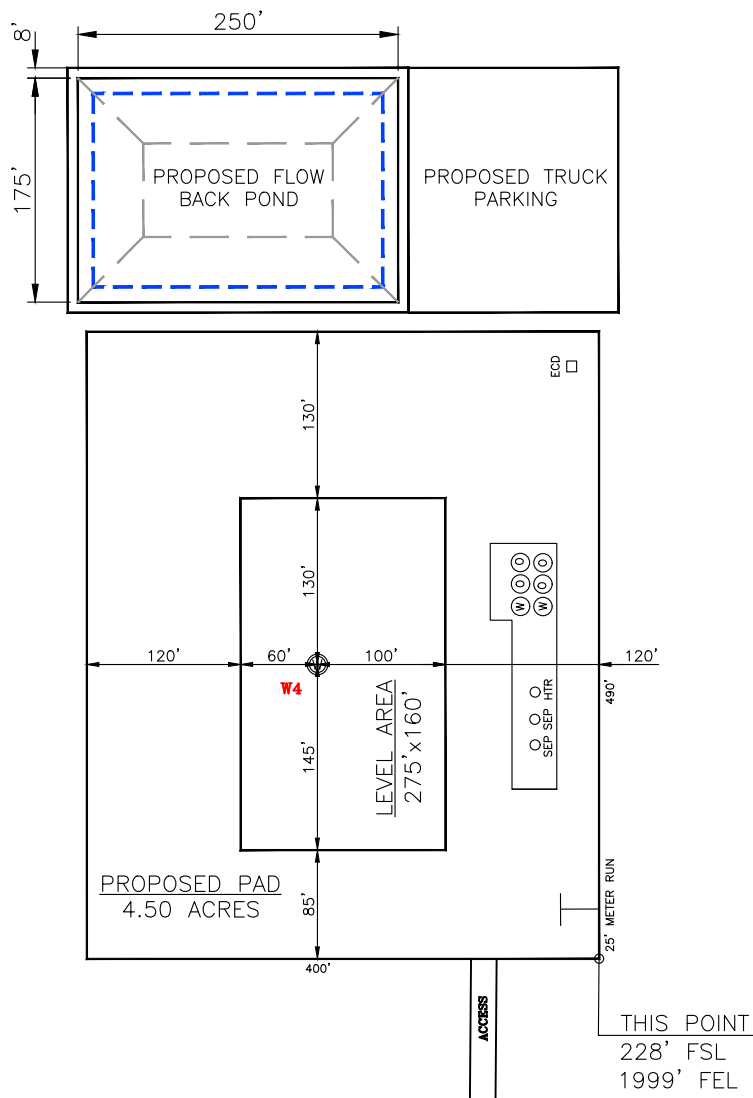
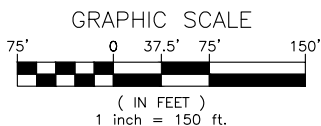
PETRO LAND SERVICES SOUTH, LLC

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
456' FSL-2220' FEL Section 34 Township 15N Range 13W I.M.



DATUM: NAD-83
LAT: 35°43'35.30"
LONG: -98°34'07.13"
LAT: 35.726472°
LONG: -98.568648°

STATE PLANE
COORDINATES
(US FEET): OK NORTH

X: 1799713
Y: 264943

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: Head west out of Greenfield on E-0885 Rd. for 2.25 miles. Turn left & head south on N-2570 Rd. for 0.50 miles. Turn right & head west on E-0890 Rd. for 8.30 miles to the proposed access on the north side of E-0890 Rd.

THE INFORMATION SHOWN HEREIN IS FOR
CONSTRUCTION PURPOSES ONLY

Well W4: RANDOLPH 4-34-27XHM

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

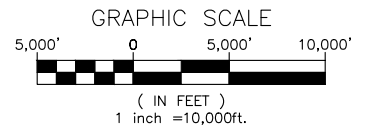


Prepared By:
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10400 Vineyard Blvd.
Suite C
Oklahoma City, OK 73120

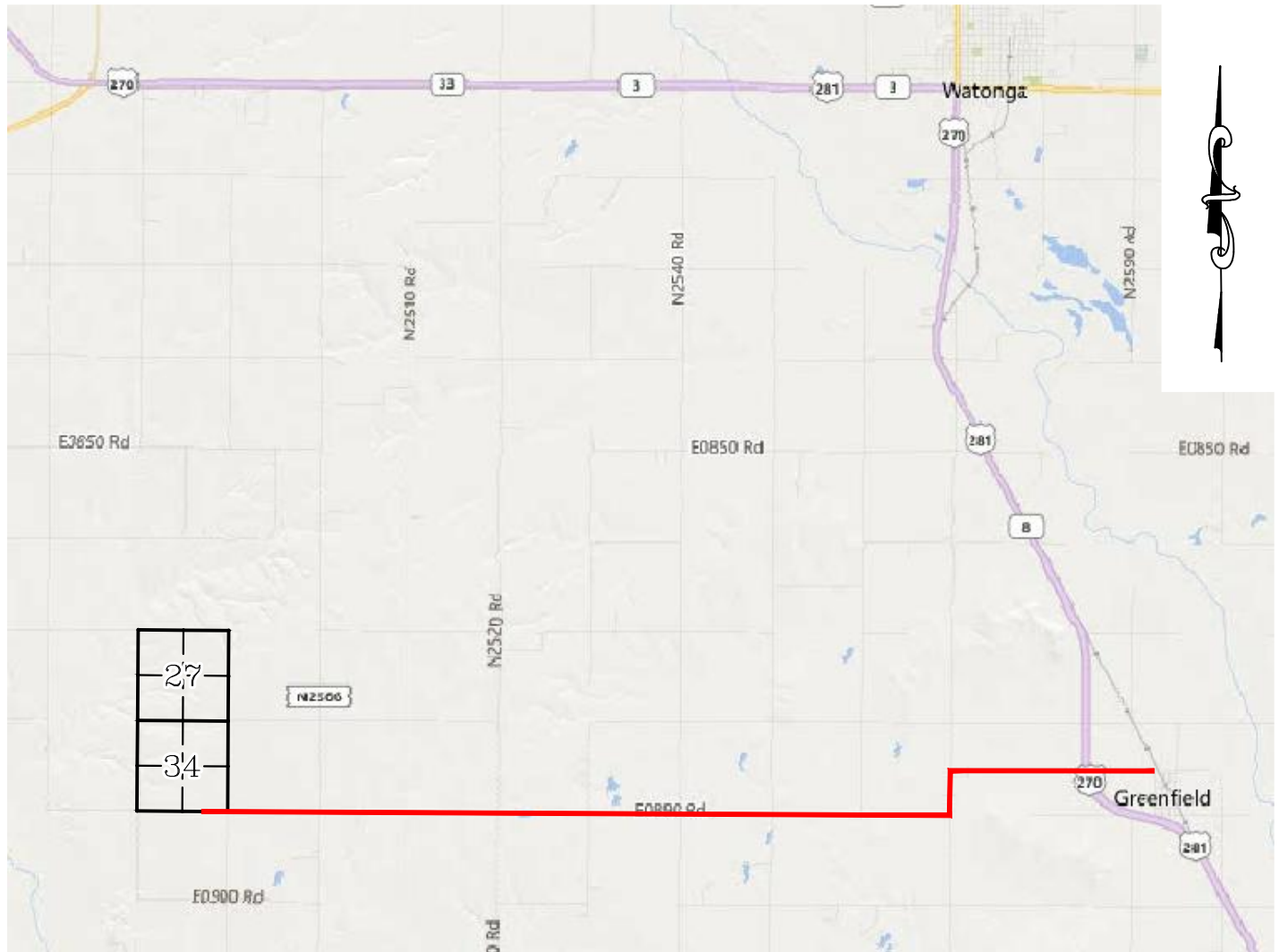
(This Information Was Gathered
With a GPS Receiver With ±1
Foot Horiz./Vert. Accuracy)

Certificate of Authorization No. 7318

EXHIBIT: C
SHEET: 8.5x11
SHL: 34-15N-13W
BHL-4 27-15N-13W



VICINITY MAP



HEAD WEST OUT OF GREENFIELD ON E-0885 RD. FOR 2.25 MILES. TURN LEFT & HEAD SOUTH ON N-2570 RD. FOR 0.50 MILES. TURN RIGHT & HEAD WEST ON E-0890 RD. FOR 8.30 MILES TO THE PROPOSED ACCESS ON THE NORTH SIDE OF E-0890 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 34 Township 15N Range 13W I.M. Well W4: RANDOLPH 4-34-27XHM

County BLAINE State OK

Operator CONTINENTAL RESOURCES, INC.



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

CURRENT REV.: 4

EXHIBIT: D
SHEET: 8.5x11
SHL: 34-15N-13W
BHL-4 27-15N-13W

WELL W4: RANDOLPH 4-34-27XHM



FACING NORTH

(NO IMAGES AVAILABLE)

FACING SOUTH

(NO IMAGES AVAILABLE)

CURRENT REV.: 4



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

TERRAIN

DRAWN BY:	HDG	SCALE:	N.T.S.
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	TERRAIN-1
DATE ISSUED:	06-07-19	SHEET:	1 OF 2

EXHIBIT: E
SHEET: 8.5x11
SHL: 34-15N-13W
BHL-4 27-15N-13W



WELL W4: RANDOLPH 4-34-27XHM

FACING EAST

(NO IMAGES AVAILABLE)

FACING WEST

(NO IMAGES AVAILABLE)

CURRENT REV.: 4



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TERRAIN

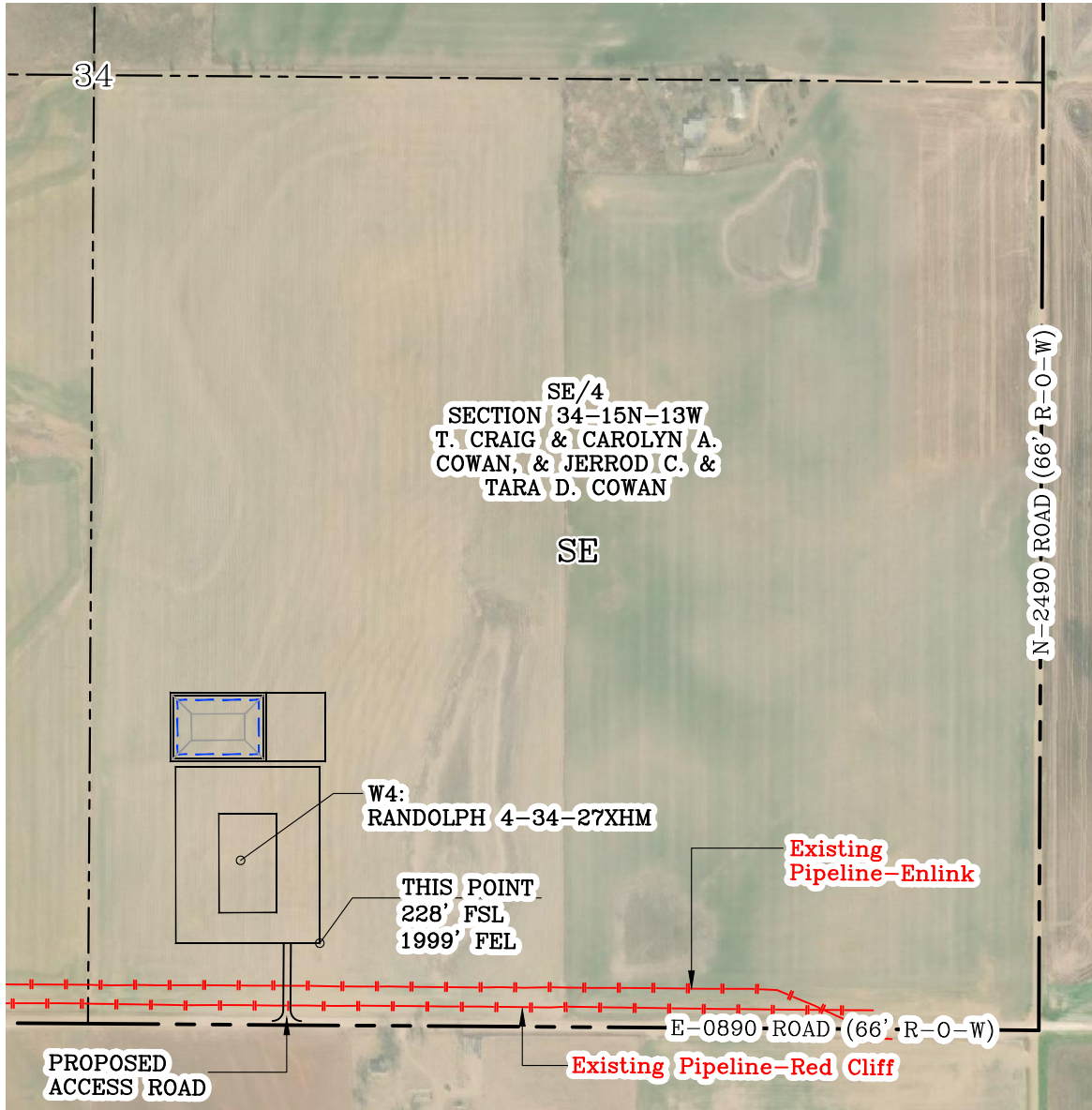
DRAWN BY:	HDG	SCALE:	N.T.S.
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	TERRAIN-2
DATE ISSUED:	06-07-19	SHEET:	2 OF 2

EXHIBIT: F
SHEET: 8.5x11
SHL: 34-15N-13W
BHL-4: 27-15N-13W



WELL W4: RANDOLPH 4-34-27XHM

PROPOSED ACCESS ROAD = 227' | 13.76 RODS (TOTAL)

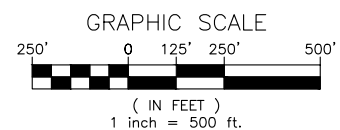


GPS DATUM - OK NORTH ZONE
US FEET SCALE: 1" = 500'

Section 34 Township 15N Range 13W I.M.

County BLAINE State OK

Operator CONTINENTAL RESOURCES, INC.



CURRENT REV.: 4

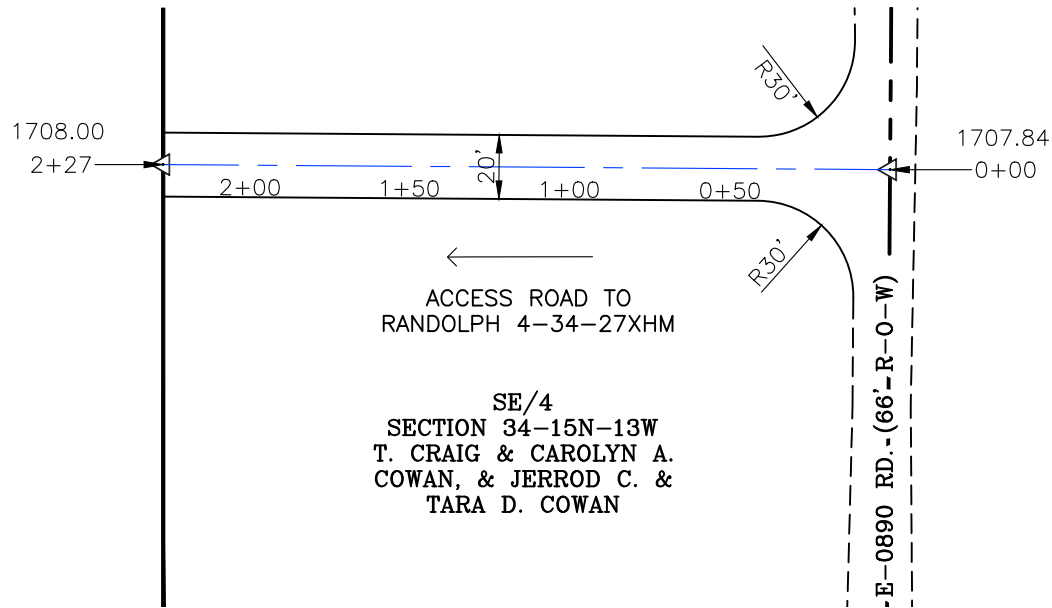


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Suite C
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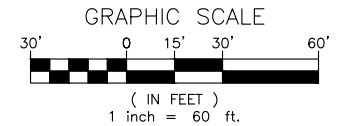
AERIAL PLAT

DRAWN BY:	HDG	SCALE:	1" = 500'
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	AERIAL-1
DATE ISSUED:	06-07-19	SHEET:	1 OF 4

EXHIBIT: G
 SHEET: 8.5x11
 SHL: 34-15N-13W
 BHL-4 27-15N-13W



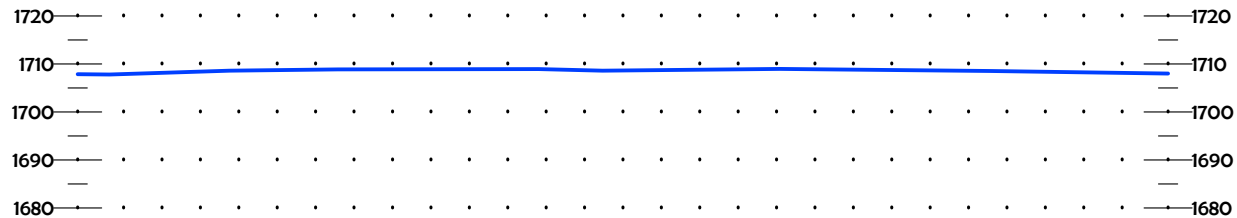
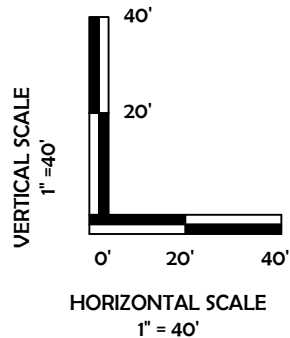
GPS DATUM - OK NORTH ZONE
 US FEET SCALE: 1" = 60'



- * 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 W4: RANDOLPH 4-34-27XHM

PROPOSED ACCESS ROAD = 227' | 13.76 RODS (TOTAL)



CURRENT REV.: 4



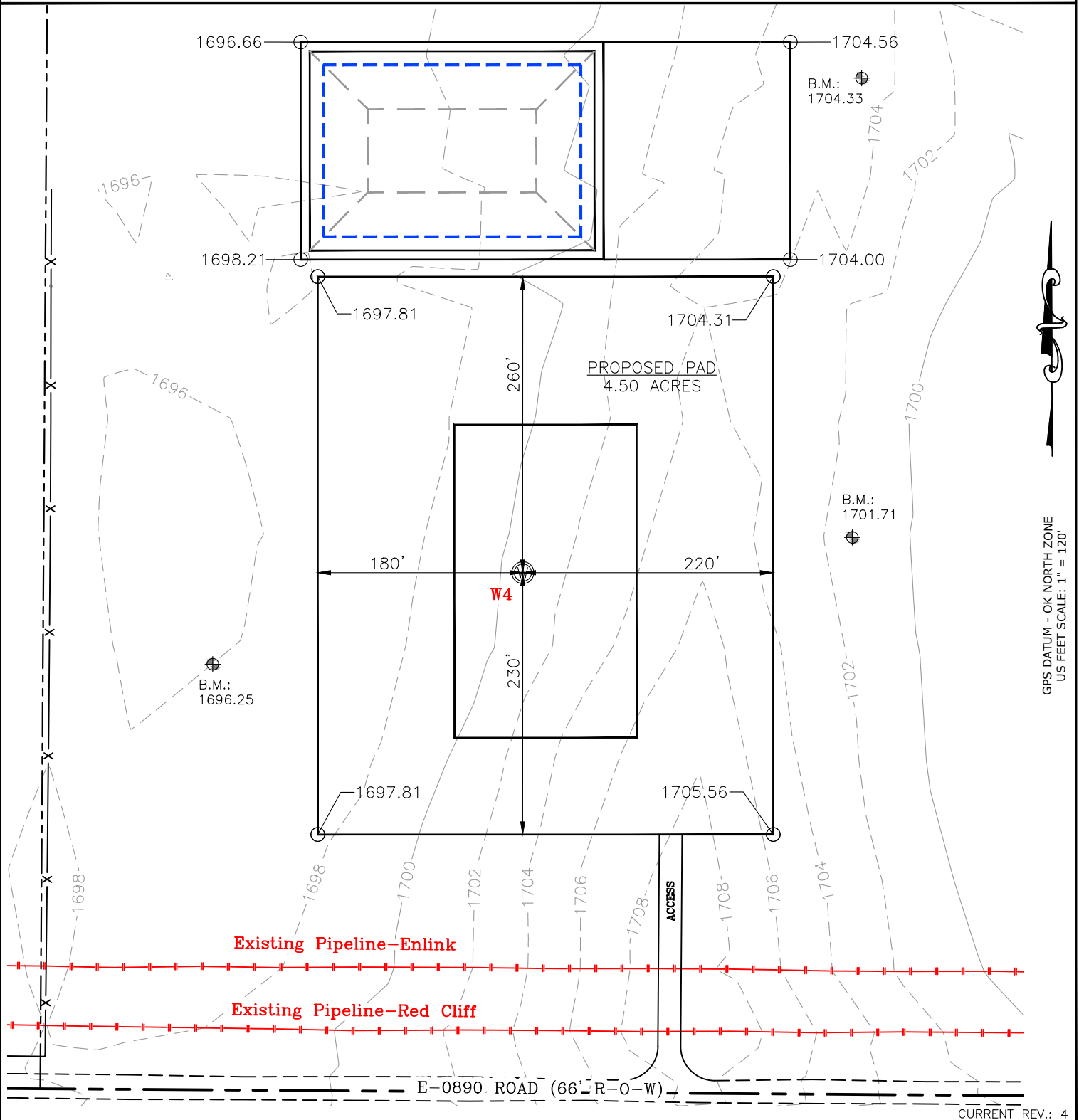
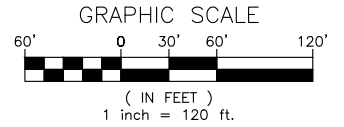
Prepared By:
 Petro Land Services South
 10400 Vineyard Blvd.
 Suite C
 Oklahoma City, OK 73120



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

LEASE ROAD PLAN & PROFILE

DRAWN BY:	HDG	SCALE:	AS NOTED
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	P&P
DATE ISSUED:	06-07-19	SHEET:	2 OF 4



GPS DATUM - OK NORTH ZONE
US FEET SCALE: 1" = 120'

CURRENT REV.: 4



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

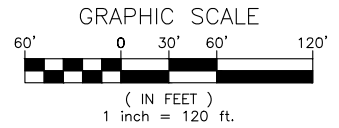
EXISTING
GRADING
PLAN

DRAWN BY:	HDG	SCALE:	1" = 120'
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	EX-GR.
DATE ISSUED:	06-07-19	SHEET:	3 OF 4

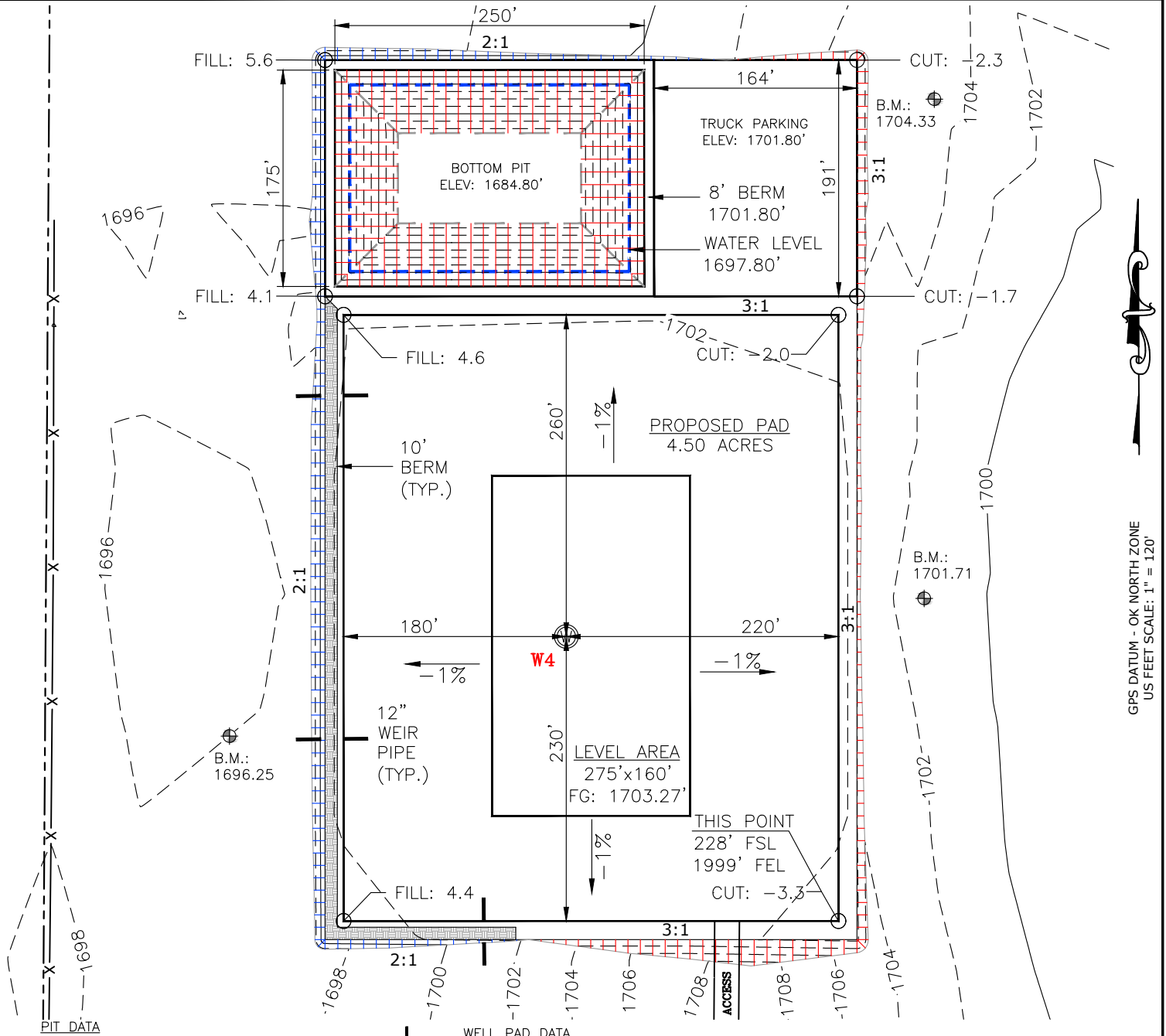
EXHIBIT: I
 SHEET: 8.5x11
 SHL: 34-15N-13W
 BHL-4: 27-15N-13W



WELL W4: RANDOLPH 4-34-27XHME



TOTAL PROPOSED DISTURBED AREA: 7.43 ACRES



PIT DATA

DIMENSIONS: 250'x175'
 BERM WIDTH: 8'
 BERM ELEVATION: 1701.80'
 BOTTOM DIMENSIONS: 148'x73'
 BOTTOM ELEVATION: 1684.80'
 TOTAL VOLUME: 16,082.63 CU. YD.
 WATER LEVEL ELEVATION: 1697.80'
 WATER VOLUME: 10,328.26 CU. YD.
 (49,667.63 BBL's)

PIT CUT/FILL SLOPES : 3:1

WELL PAD DATA

CUT VOLUME 23891.59 CU. YD.
 FILL VOLUME 23890.07 CU. YD.

6" OF STRIPPED TOP SOIL: 5,993.86 CU. YD.
 BERM LENGTH: 659' (441.53 CU. YD.)
 (CUT/FILL VOLUMES INCLUDE 6" OF STRIPPED TOP SOIL)

CURRENT REV.: 4



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

**PROPOSED
 GRADING
 PLAN**

DRAWN BY:	HDG	SCALE:	1" = 120'
CHECKED BY:	MJL	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	PRO-GR.
DATE ISSUED:	06-07-19	SHEET:	4 OF 4

EXHIBIT "A"

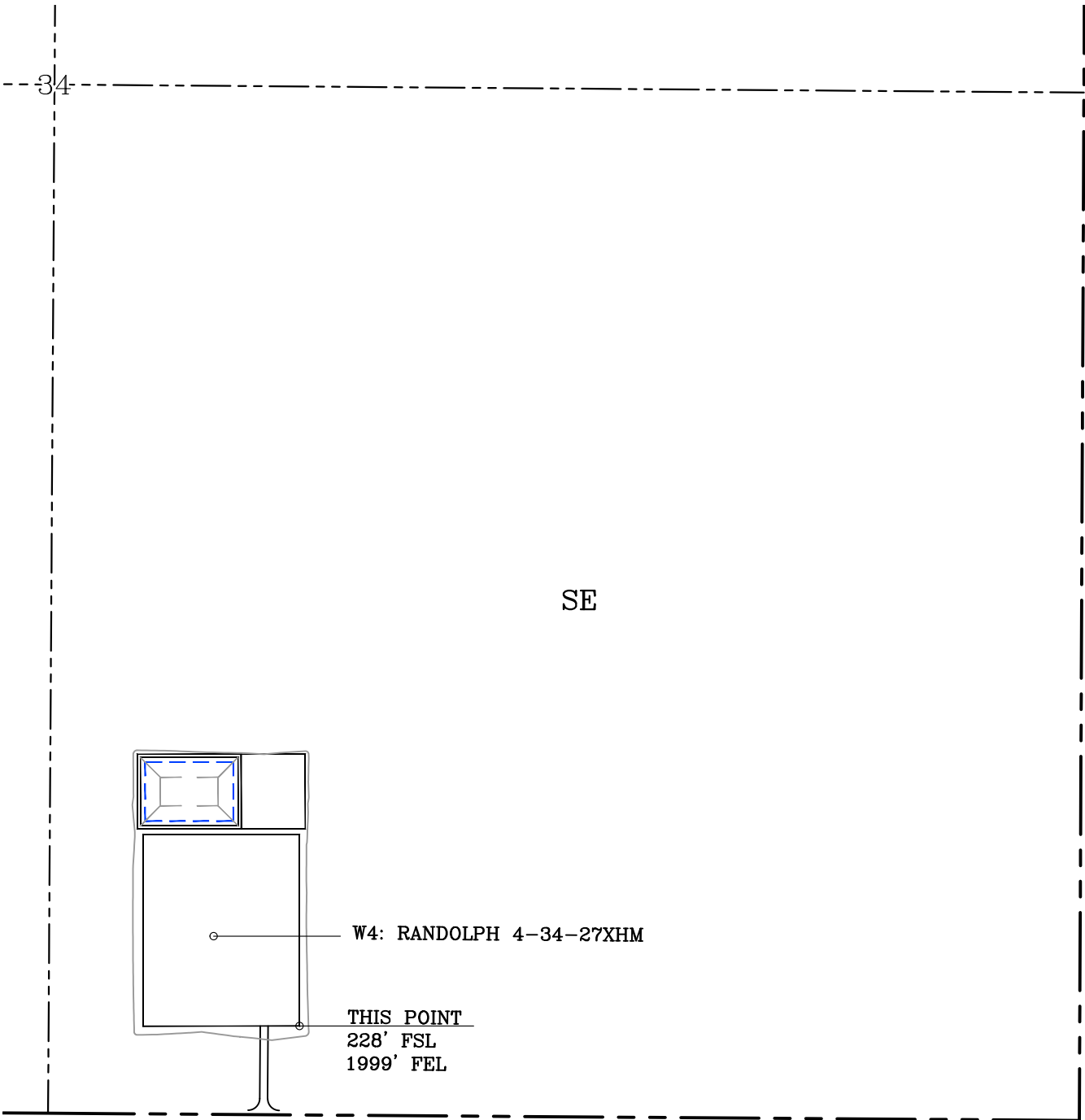
TABLE OF QUANTITIES

DISTURBED AREA = 7.43 ACRES
LEASE ROAD = ±227'

LOCATED ON THE LANDS OF:

T. CRAIG & CAROLYN A.
COWAN, & JERROD C. & TARA
D. COWAN

SE/4 SEC 34-15N-13W
BLAINE 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:	HDG	Date:	06-07-19
Checked By:	MJL	Scale:	1" = 400'
Sheet Size:	8.5x14	Sheet No.	1 of 1
REV.	Description	Date	
1	REV'D FBP LOCATON	07-01-19	
2	ADDED PARKING AREA	07-17-19	
3	REMOVED RANDOLPH 5/REV'D WELL NAME/BHL	08-10-21	
4	REV'D WELL NAME	08-12-21	