

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

API NUMBER: 011 23932

Approval Date: 01/31/2018

Expiration Date: 07/31/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 15N Rge: 12W

County: BLAINE

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 260 928

Lease Name: SIMBA

Well No: 7-6-7XHM

Well will be 260 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

GIDDEON ERIC COWAN
27928 JONES ROAD
GEARY OK 73040

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	12331	6	
2	WOODFORD	13111	7	
3			8	
4			9	
5			10	

Spacing Orders: 665391

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201708781
201708782
201708767
201708768

Special Orders:

Total Depth: 22722

Ground Elevation: 1761

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 270

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

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

D. One time land application -- (REQUIRES PERMIT)
H. SEE MEMO

PERMIT NO: 18-33712

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 07 Twp 14N Rge 12W County BLAINE

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 30

Feet From: EAST 1/4 Section Line: 550

Depth of Deviation: 11510

Radius of Turn: 477

Direction: 170

Total Length: 10463

Measured Total Depth: 22722

True Vertical Depth: 13111

End Point Location from Lease,
Unit, or Property Line: 260

Notes:

Category

Description

DEEP SURFACE CASING

1/25/2018 - 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

1/25/2018 - 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

INTERMEDIATE CASING

1/25/2018 - 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

MEMO

1/25/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

011 23932 SIMBA 7-6-7XHM

Category	Description
PENDING CD - 201708767	1/31/2018 - G58 - (I.O.) 6-14N-12W X665391 MSSP 5 WELLS NO OP. NAMED REC 1/23/2018 (NORRIS)
PENDING CD - 201708768	1/31/2018 - G58 - (I.O.) 7-14N-12W X665391 MSSP 5 WELLS NO OP. NAMED REC 1/23/2018 (NORRIS)
PENDING CD - 201708781	1/29/2018 - G58 - (I.O.) 6 & 7-14N-12W EST MULTIUNIT HORIZONTAL WELL X665391 MSSP, WDFD (WDFD IS ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) 50% 6-14N-12W 50% 7-14N-12W NO OP. NAMED REC 1/23/2018 (NORRIS)
PENDING CD - 201708782	1/29/2018 - G58 - (I.O.) 6 & 7-14N-12W X665391 MSSP, WDFD COMPL. INT. (6-14N-12W) NCT 150' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (7-14N-12W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL NO OP. NAMED REC 1/23/2018 (NORRIS)
SPACING - 665391	1/29/2018 - G58 - (640) 6 & 7-14N-12W EXT 652297 MSSP, WDFD, OTHER

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.

EXHIBIT: A (1 of 3)
SHEET: 8.5x14
SHL: 31-15N-12W
BHL: 07-14N-12W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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


Section 31 Township 15N Range 12W I.M. Well 1: SIMBA 6-6-7XHM **011-23931**
County BLAINE State OK Well 2: SIMBA 7-6-7XHM **011-23932**
Operator CONTINENTAL RESOURCES, INC.

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W1	SIMBA 6-6-7XHM	264643	1816675	35° 43' 33.27" -98° 30' 41.40"	35.725907 -98.511500	260' FSL / 958' FEL (SE/4 SEC 31)	1761.04	1761.41
W2	SIMBA 7-6-7XHM	264643	1816705	35° 43' 33.27" -98° 30' 41.04"	35.725908 -98.511399	260' FSL / 928' FEL (SE/4 SEC 31)	1760.85	1761.41
LP-1	LANDING POINT	264334	1816202	35° 43' 30.19" -98° 30' 47.12"	35.725053 -98.513089	50' FNL / 1,430' FEL (NE/4 SEC 06)	--	--
LP-2	LANDING POINT	264332	1817082	35° 43' 30.21" -98° 30' 36.45"	35.725059 -98.510124	50' FNL / 550' FEL (NE/4 SEC 06)	--	--
BHL-1	BOTTOM HOLE LOCATION	253870	1816172	35° 41' 46.70" -98° 30' 46.81"	35.696306 -98.513002	30' FSL / 1,430' FEL (SE/4 SEC 07)	--	--
BHL-2	BOTTOM HOLE LOCATION	253869	1817052	35° 41' 46.73" -98° 30' 36.14"	35.696315 -98.510038	30' FSL / 550' FEL (SE/4 SEC 07)	--	--
X-1	MARTIN #1-7	254506	1813138	35° 41' 52.83" -98° 31' 23.63"	35.698008 -98.523231	7-14N-12W:CSW4SW4 TD: 11,375' 660' FSL - 722' FWL	--	--
X-2	NITZEL #1-7	255820	1816286	35° 42' 05.99" -98° 30' 45.55"	35.701664 -98.512654	7-14N-12W:CN2SE4 TD: 11,400' 1,980' FSL - 1,320' FEL	--	--
X-3	BORDEN LAND CO. #1-7	257597	1813906	35° 42' 23.43" -98° 31' 14.52"	35.706510 -98.520700	7-14N-12W:NW4NW4SE4NW4 TD: 11,350' 1,520' FNL - 1,470' FWL	--	--
X-4	MCCLUNG #1	263074	1813798	35° 43' 17.60" -98° 31' 16.19"	35.721556 -98.521163	6-14N-12W:CNW4 TD: 11,300' 1,320' FSL - 1,320' FWL	--	--
X-5	PETERS #1-31H	264605	1812721	35° 43' 32.68" -98° 31' 29.36"	35.725745 -98.524821	31-15N-12W:SW4SW4SW4SW4 TD: 17,870' 212' FSL - 230' FWL	--	--

NAD-27							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W1	SIMBA 6-6-7XHM	264618	1848276	35° 43' 33.10" -98° 30' 40.13"	35.725860 -98.511148	260' FSL / 958' FEL (SE/4 SEC 31)	1761.04	1761.41
W2	SIMBA 7-6-7XHM	264618	1848306	35° 43' 33.10" -98° 30' 39.77"	35.725860 -98.511047	260' FSL / 928' FEL (SE/4 SEC 31)	1760.85	1761.41
LP-1	LANDING POINT	264310	1847802	35° 43' 30.02" -98° 30' 45.85"	35.725006 -98.512737	50' FNL / 1,430' FEL (NE/4 SEC 06)	--	--
LP-2	LANDING POINT	264307	1848682	35° 43' 30.04" -98° 30' 35.18"	35.725012 -98.509773	50' FNL / 550' FEL (NE/4 SEC 06)	--	--
BHL-1	BOTTOM HOLE LOCATION	253845	1847772	35° 41' 46.53" -98° 30' 45.55"	35.696258 -98.512652	30' FSL / 1,430' FEL (SE/4 SEC 07)	--	--
BHL-2	BOTTOM HOLE LOCATION	253844	1848652	35° 41' 46.56" -98° 30' 34.88"	35.696267 -98.509688	30' FSL / 550' FEL (SE/4 SEC 07)	--	--
X-1	MARTIN #1-7	254481	1844738	35° 41' 52.66" -98° 31' 22.37"	35.697961 -98.522880	7-14N-12W:CSW4SW4 TD: 11,375' 660' FSL - 722' FWL	--	--
X-2	NITZEL #1-7	255795	1847886	35° 42' 05.82" -98° 30' 44.29"	35.701616 -98.512303	7-14N-12W:CN2SE4 TD: 11,400' 1,980' FSL - 1,320' FEL	--	--
X-3	BORDEN LAND CO. #1-7	257572	1845507	35° 42' 23.26" -98° 31' 13.26"	35.706462 -98.520349	7-14N-12W:NW4NW4SE4NW4 TD: 11,350' 1,520' FNL - 1,470' FWL	--	--
X-4	MCCLUNG #1	263049	1845399	35° 43' 17.43" -98° 31' 14.92"	35.721508 -98.520811	6-14N-12W:CNW4 TD: 11,300' 1,320' FSL - 1,320' FWL	--	--
X-5	PETERS #1-31H	264580	1844321	35° 43' 32.51" -98° 31' 28.09"	35.725698 -98.524469	31-15N-12W:SW4SW4SW4SW4 TD: 17,870' 212' FSL - 230' FWL	--	--

Certificate of Authorization No. 7318

Date Staked: 12-20-17
Date Drawn: 12-20-17



Prepared By:
Petro Land Services South
10404 Vineyard Blvd.
Suite G100
Oklahoma City, OK 73120

R E V I S I O N S				
No.	DATE	BY	DESCRIPTION	COMMENTS
00	12-20-17	MJL	ISSUED FOR APPROVAL	--

EXHIBIT: A (2 of 3)

SHEET: 8.5x14

SHL: 31-15N-12W

BHL: 07-14N-12W

PETRO LAND SERVICES SOUTH, LLC

10404 VINEYARD BLVD. SUITE G100, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC
(OPERATOR)

BLAINE

County Oklahoma

260' FSL-958' FEL Section 31 Township 15N Range 12W I.M.

WELL 1: SIMBA 6-6-7XHM

011-23931

X: 1812520
Y: 269676
X: 1844121
Y: 269651

X: 1817659
Y: 269655
X: 1849259
Y: 269630

X: 1812499
Y: 267032
X: 1844100
Y: 267007

X: 1817645
Y: 267018
X: 1849246
Y: 266993

X: 1812490
Y: 264394
X: 1844091
Y: 264369

X: 1817632
Y: 264381
X: 1849232
Y: 264356

X: 1812467
Y: 261757
X: 1844067
Y: 261733

X: 1817622
Y: 261745
X: 1849222
Y: 261721

X: 1812446
Y: 259120
X: 1844046
Y: 259095

X: 1817612
Y: 259109
X: 1849213
Y: 259084

X: 1812429
Y: 256482
X: 1844030
Y: 256458

X: 1817603
Y: 256477
X: 1849204
Y: 256453

X: 1812413
Y: 253845
X: 1844013
Y: 253821

X: 1817602
Y: 253838
X: 1849202
Y: 253814

X: 1814990
Y: 253842
X: 1846590
Y: 253817



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

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, Beau Winfrey an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.



Date Staked: 12-20-17
Date Drawn: 12-20-17

Oklahoma PLS No.1766 DATE 12/21/17

EXHIBIT: A (3 of 3)

SHEET: 8.5x14

SHL: 31-15N-12W

BHL: 07-14N-12W

PETRO LAND SERVICES SOUTH, LLC

10404 VINEYARD BLVD. SUITE G100, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC
(OPERATOR)

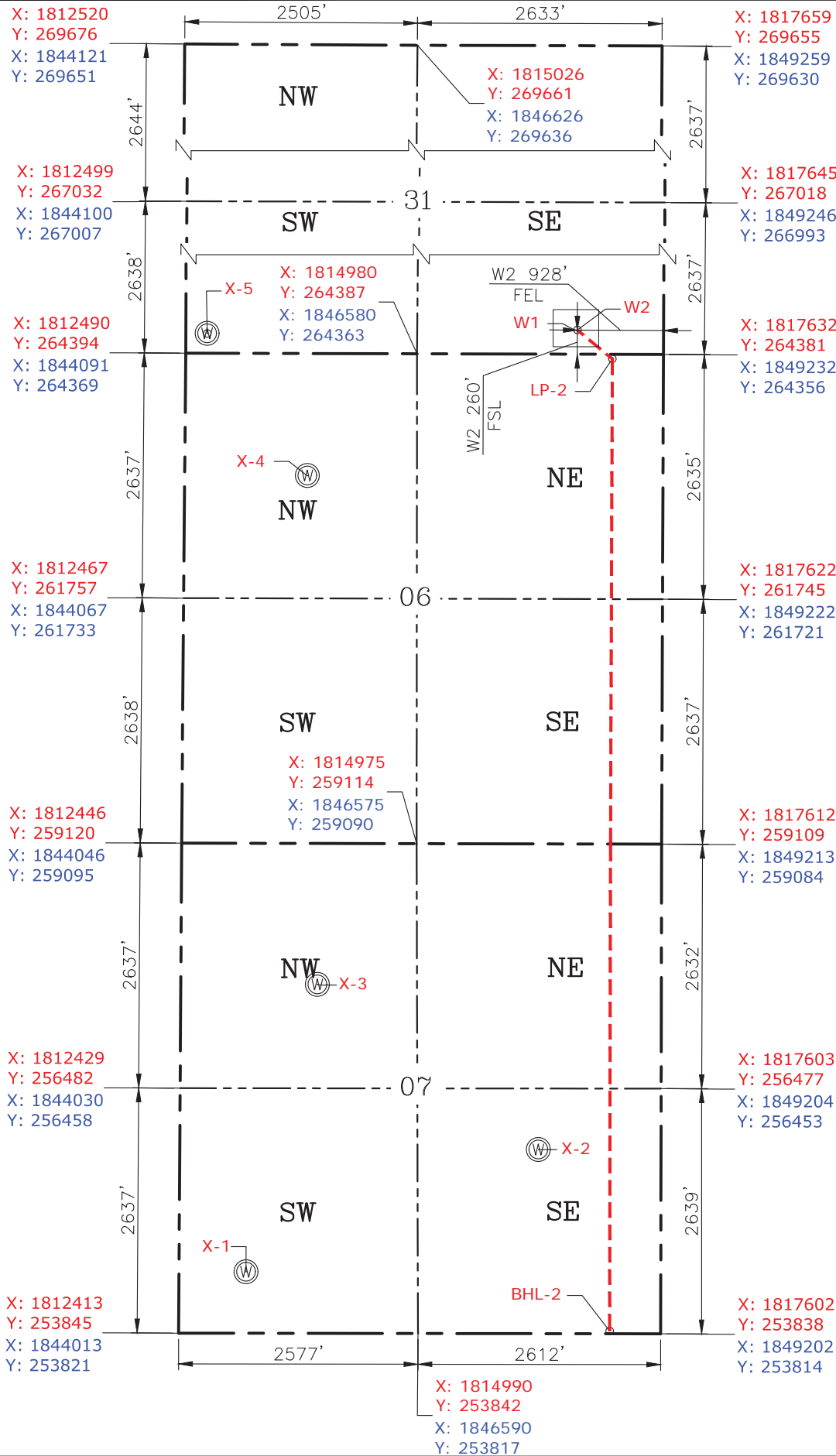
BLAINE

County Oklahoma

260' FSL-928' FEL Section 31 Township 15N Range 12W I.M.

WELL 2: SIMBA 7-6-7XHM

011-23932

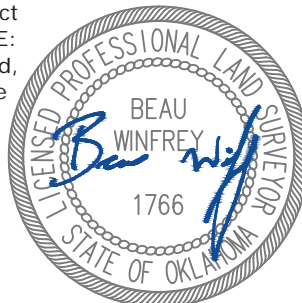


GPS DATUM
NAD-83
NAD-27
OK NORTH ZONE
US FEET
SCALE:
1" = 1250'

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Date Staked: 12-20-17
Date Drawn: 12-20-17

Oklahoma PLS No.1766 DATE 12/21/17

EXHIBIT: B
SHEET: 8.5x11
SHL: 31-15N-12W
BHL: 07-14N-12W

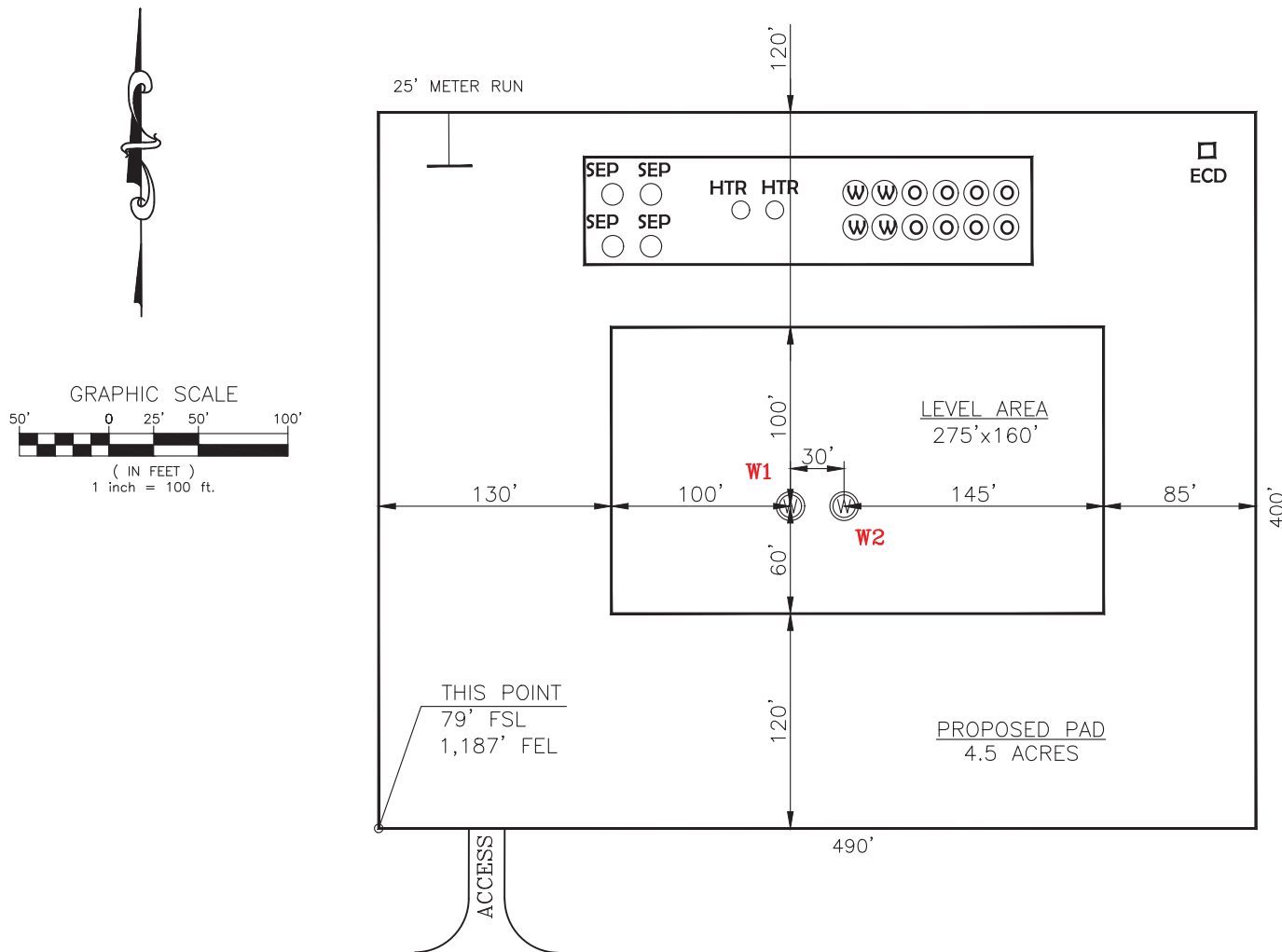
PETRO LAND SERVICES SOUTH, LLC

10404 VINEYARD BLVD. SUITE G100, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC
(OPERATOR)

BLAINE County Oklahoma
Section 31 Township 15N Range 12W I.M.



W1: SIMBA 6-6-7XHM
DATUM: NAD-83
LAT: 35°43'33.27"
LONG: -98°30'41.40"
LAT: 35.725907°
LONG: -98.511500°

STATE PLANE
COORDINATES
(US FEET): OK NORTH
X: 1816675
Y: 264643

W2: SIMBA 7-6-7XHM
DATUM: NAD-83
LAT: 35°43'33.27"
LONG: -98°30'41.04"
LAT: 35.725908°
LONG: -98.511399°

STATE PLANE
COORDINATES
(US FEET): OK NORTH
X: 1816705
Y: 264643

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: Starting from the Intersection of SH-8 & E-0885 Road. Head west to N-2570 and turn left. Travel south for 0.5 miles & turn right onto E-0890 road. Head west on E-0890 Rd. for 5.20 miles to the proposed access along the north side of the road.

THE INFORMATION SHOWN
HEREIN IS FOR CONSTRUCTION
PURPOSES ONLY

Well W1: SIMBA 6-6-7XHM
Well W2: SIMBA 7-6-7XHM
Well W3: ----

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

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

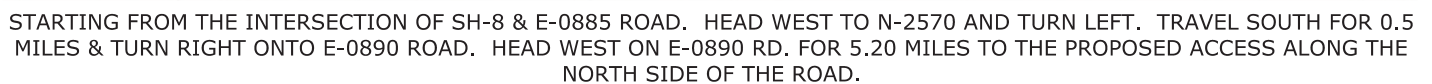


Prepared By:
Petro Land Services South
10404 Vineyard Blvd.
Suite G100
Oklahoma City, OK 73120



Continental
RESOURCES

SCALE: N.T.S.



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

Operator CONTINENTAL RESOURCES, INC.

EXHIBIT: D
SHEET: 8.5x11
SHL: 31-15N-12W
BHL: 07-14N-12W



WELL 1: SIMBA 6-6-7XHM
WELL 2: SIMBA 7-6-7XHM

FACING NORTH

(PHOTO UNAVAILABLE)

FACING SOUTH

(PHOTO UNAVAILABLE)



Prepared By:
Petro Land Services South
10404 Vineyard Blvd.
Suite G100
Oklahoma City, OK 73120

TERRAIN

DRAWN BY:	MJL	SCALE:	N.T.S.
CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	TERRAIN-1
DATE ISSUED:	12-20-17	SHEET:	1 OF 2

EXHIBIT: E
SHEET: 8.5x11
SHL: 31-15N-12W
BHL: 07-14N-12W



WELL 1: SIMBA 6-6-7XHM
WELL 2: SIMBA 7-6-7XHM

FACING EAST

(PHOTO UNAVAILABLE)

FACING WEST

(PHOTO UNAVAILABLE)



Prepared By:
Petro Land Services South
10404 Vineyard Blvd.
Suite G100
Oklahoma City, OK 73120

TERRAIN

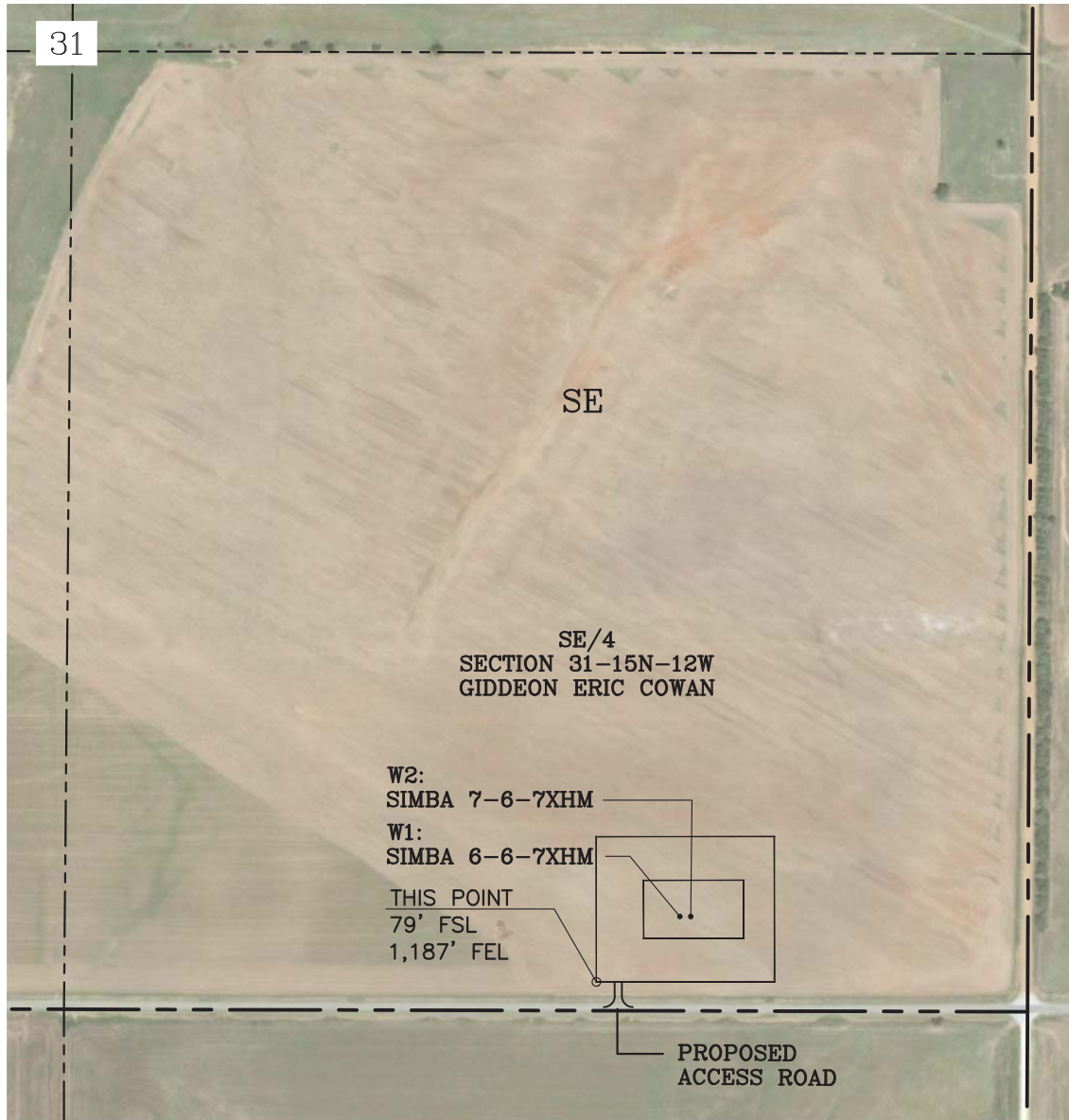
DRAWN BY:	MJL	SCALE:	N.T.S.
CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	TERRAIN-2
DATE ISSUED:	12-20-17	SHEET:	2 OF 2

EXHIBIT: F
SHEET: 8.5x11
SHL: 31-15N-12W
BHL: 07-14N-12W



WELL 1: SIMBA 6-6-7XHM
WELL 2: SIMBA 7-6-7XHM

PROPOSED ACCESS ROAD = 69' | 4.18 RODS (TOTAL)

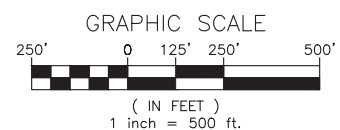


GPS DATUM - OK NORTH ZONE
US FEET SCALE: 1" = 500'

Section 31 Township 15N Range 12W I.M.

County BLAINE State OK

Operator CONTINENTAL RESOURCES, INC.



Prepared By:
Petro Land Services South
10404 Vineyard Blvd.
Suite G100
Oklahoma City, OK 73120

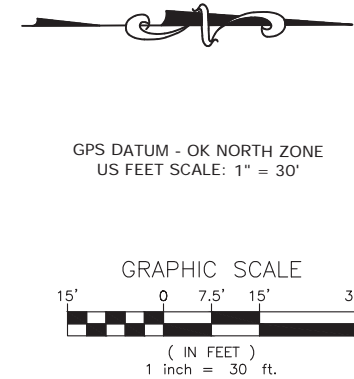
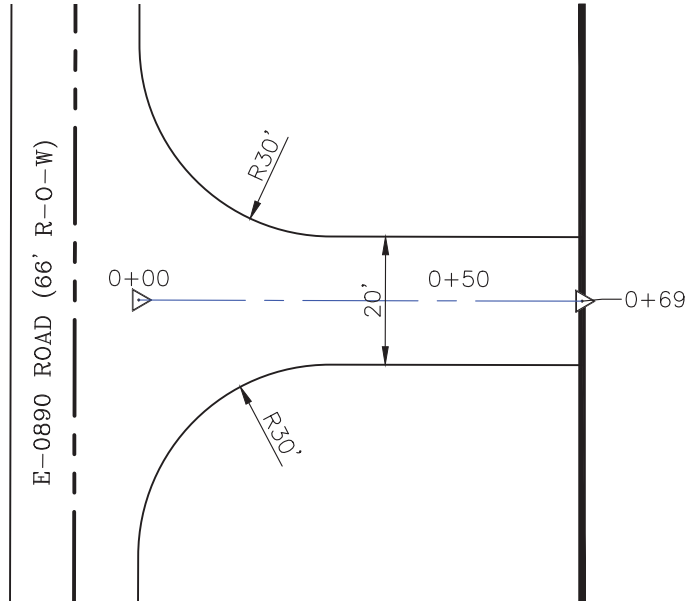
AERIAL PLAT

DRAWN BY:	MJL	SCALE:	1" = 500'
CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	AERIAL-1
DATE ISSUED:	12-20-17	SHEET:	1 OF 4

EXHIBIT: G
 SHEET: 8.5x11
 SHL: 31-15N-12W
 BHL: 07-14N-12W

ACCESS ROAD TO
 SIMBA 6-6-7XHM
 SIMBA 7-6-7XHM

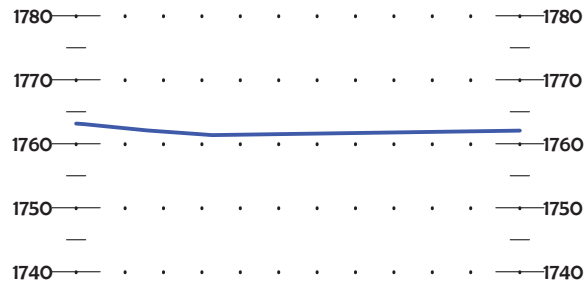
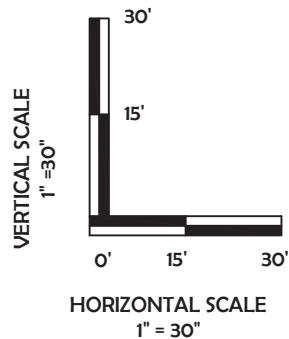
SE/4
 SECTION 31-15N-12W
 GIDDEON ERIC COWAN



- * 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 1: SIMBA 6-6-7XHM
 WELL 2: SIMBA 7-6-7XHM

PROPOSED ACCESS ROAD = 69' | 4.18 RODS (TOTAL)



Prepared By:
 Petro Land Services South
 10404 Vineyard Blvd.
 Suite G100
 Oklahoma City, OK 73120



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

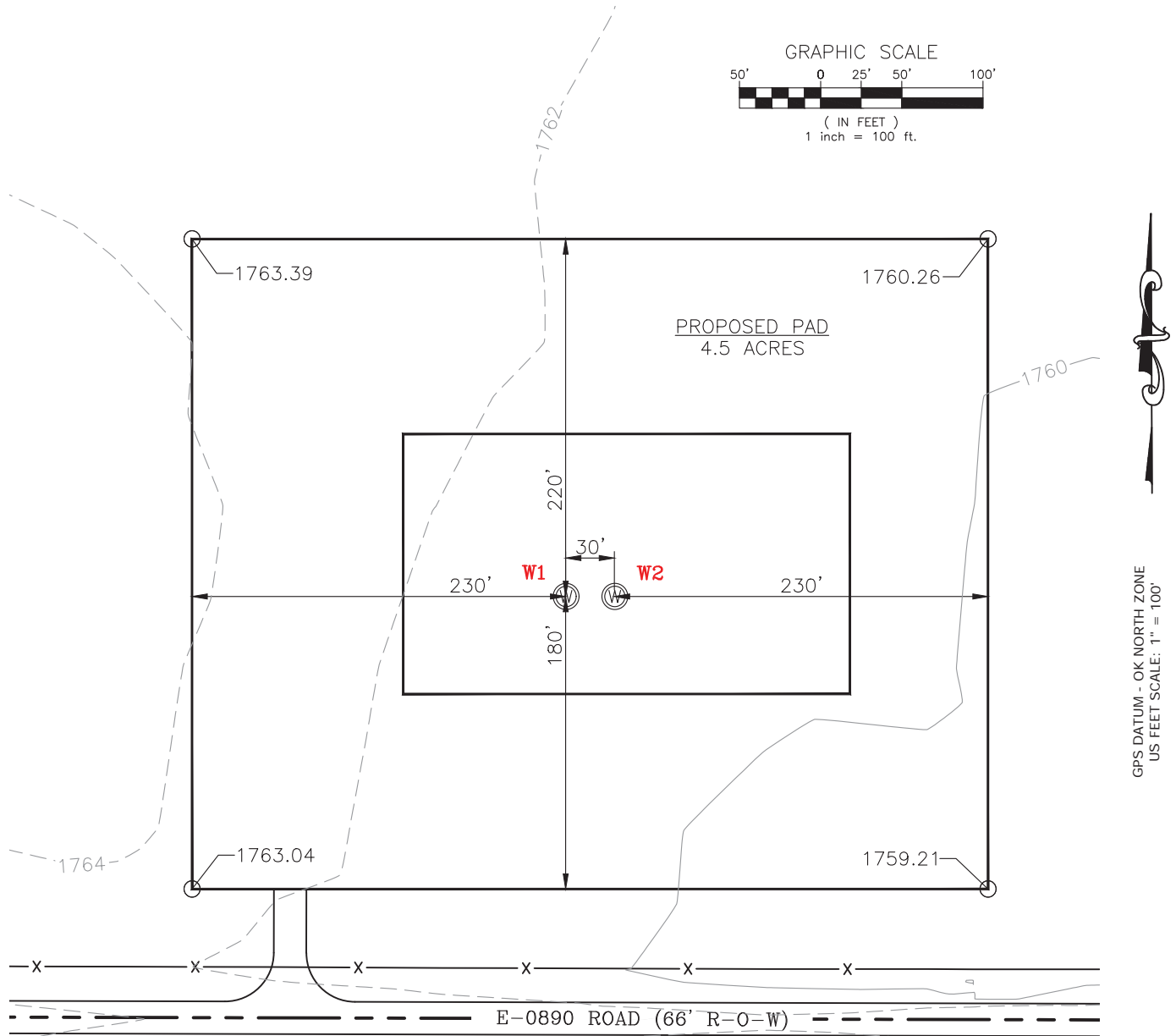
LEASE ROAD PLAN & PROFILE

DRAWN BY:	MJL	SCALE:	AS NOTED
CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	P&P
DATE ISSUED:	12-20-17	SHEET:	2 OF 4

EXHIBIT: H
SHEET: 8.5x11
SHL: 31-15N-12W
BHL: 07-14N-12W



WELL 1: SIMBA 6-6-7XHM
WELL 2: SIMBA 7-6-7XHM



Prepared By:
Petro Land Services South
10404 Vineyard Blvd.
Suite G100
Oklahoma City, OK 73120

EXISTING GRADING PLAN

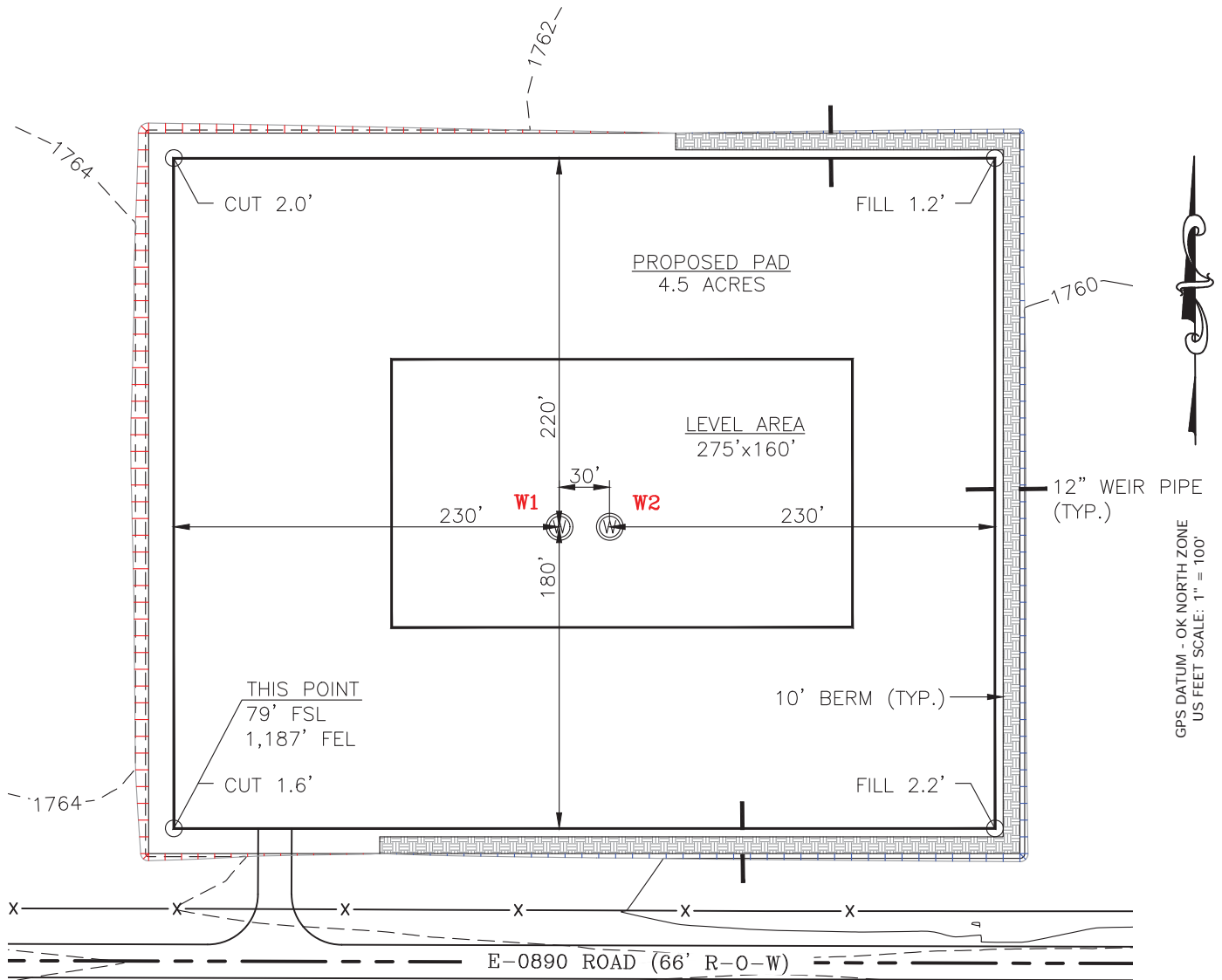
DRAWN BY:	MJL	SCALE:	1" = 100'
CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	EX-GR.
DATE ISSUED:	12-20-17	SHEET:	3 OF 4

EXHIBIT: I
SHEET: 8.5x11
SHL: 31-15N-12W
BHL: 07-14N-12W

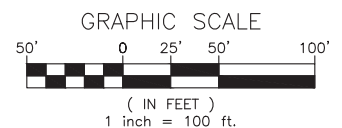


WELL 1: SIMBA 6-6-7XHM
WELL 2: SIMBA 7-6-7XHM

TOTAL PROPOSED DISTURBED AREA: 5.38 ACRES



CUT VOLUME 4542.19 CU. YD. | STRIP 6" TOP SOIL 3,629.63 CU. YD.
FILL VOLUME 4544.76 CU. YD. | BERM LENGTH: 998'



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PROPOSED GRADING PLAN

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CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	PRO-GR.
DATE ISSUED:	12-20-17	SHEET:	4 OF 4