

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

API NUMBER: 011 23925

Approval Date: 01/23/2018

Expiration Date: 07/23/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

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

County: BLAINE

SPOT LOCATION:

SE

SW

SE

SW

FEET FROM QUARTER: FROM

SOUTH

FROM

WEST

SECTION LINES:

246

1811

Lease Name: SIMBA

Well No: 4-6-7XHM

Well will be 246 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	12342	6	
2	WOODFORD	13122	7	
3			8	
4			9	
5			10	

Spacing Orders: 665391

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201708775  
201708776  
201708767  
201708768

Special Orders:

Total Depth: 22532

Ground Elevation: 1762

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 260

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: 17-33666

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 SW

Feet From: SOUTH 1/4 Section Line: 30

Feet From: WEST 1/4 Section Line: 2090

Depth of Deviation: 11576

Radius of Turn: 312

Direction: 177

Total Length: 10466

Measured Total Depth: 22532

True Vertical Depth: 13122

End Point Location from Lease,  
Unit, or Property Line: 30

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

1/4/2018 - 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

1/4/2018 - 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](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)

#### INTERMEDIATE CASING

1/4/2018 - 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

1/5/2018 - 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 23925 SIMBA 4-6-7XHM

Category	Description
PENDING CD - 201708767	1/5/2018 - G58 - (I.O.) 6-14N-12W X665391 MSSP 5 WELLS NO OP. NAMED REC 1/23/2018 (NORRIS)
PENDING CD - 201708768	1/5/2018 - G58 - (I.O.) 7-14N-12W X665391 MSSP 5 WELLS NO OP. NAMED REC 1/23/2018 (NORRIS)
PENDING CD - 201708775	1/5/2018 - 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 - 201708776	1/5/2018 - G58 - (I.O.) 6 & 7-14N-12W X665391 MSSP, WDFD COMPL. INT. (6-14N-12W) NCT 150' FNL, NCT 0' FSL, NCT 1500' FWL COMPL. INT. (7-14N-12W) NCT 0' FNL, NCT 150' FSL, NCT 1500' FWL NO OP. NAMED REC 1/23/2018 (NORRIS)
SPACING - 665391	1/5/2018 - 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 4 )    
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 3-6-7XHM 011-23924

County           BLAINE           State       OK       Well 2:      SIMBA 4-6-7XHM 011-23925


Operator           CONTINENTAL RESOURCES, INC.           Well 2:      SIMBA 5-6-7XHM 011-23926

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W1	SIMBA 3-6-7XHM	264635	1814271	35° 43' 33.06" -98° 31' 10.55"	35.725850 -98.519597	246' FSL / 1,781' FWL (SW/4 SEC 31)	1761.62	1762.27
W2	SIMBA 4-6-7XHM	264635	1814301	35° 43' 33.06" -98° 31' 10.18"	35.725850 -98.519496	246' FSL / 1,811' FWL (SW/4 SEC 31)	1761.76	1762.27
W3	SIMBA 5-6-7XHM	264635	1814331	35° 43' 33.06" -98° 31' 09.82"	35.725851 -98.519394	246' FSL / 1,841' FWL (SW/4 SEC 31)	1762.04	1762.27
LP-1	LANDING POINT	264341	1813700	35° 43' 30.13" -98° 31' 17.45"	35.725035 -98.521515	50' FNL / 1,211' FWL (NW/4 SEC 06)	--	--
LP-2	LANDING POINT	264338	1814579	35° 43' 30.15" -98° 31' 06.79"	35.725040 -98.518554	50' FNL / 2,090' FWL (NW/4 SEC 06)	--	--
LP-3	LANDING POINT	264337	1815321	35° 43' 30.17" -98° 30' 57.79"	35.725046 -98.516054	50' FNL / 2,310' FEL (NE/4 SEC 06)	--	--
BHL-1	BOTTOM HOLE LOCATION	253874	1813624	35° 41' 46.60" -98° 31' 17.70"	35.696278 -98.521583	30' FSL / 1,211' FWL (SW/4 SEC 07)	--	--
BHL-2	BOTTOM HOLE LOCATION	253872	1814503	35° 41' 46.64" -98° 31' 07.04"	35.696288 -98.518623	30' FSL / 2,090' FWL (SW/4 SEC 07)	--	--
BHL-3	BOTTOM HOLE LOCATION	253871	1815292	35° 41' 46.67" -98° 30' 57.48"	35.696296 -98.515965	30' FSL / 2,310' 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 3-6-7XHM	264610	1845872	35° 43' 32.89" -98° 31' 09.25"	35.725803 -98.519245	246' FSL / 1,781' FWL (SW/4 SEC 31)	1761.62	1762.27
W2	SIMBA 4-6-7XHM	264610	1845902	35° 43' 32.89" -98° 31' 08.92"	35.725803 -98.519144	246' FSL / 1,811' FWL (SW/4 SEC 31)	1761.76	1762.27
W3	SIMBA 5-6-7XHM	264610	1845932	35° 43' 32.89" -98° 31' 08.55"	35.725804 -98.519043	246' FSL / 1,841' FWL (SW/4 SEC 31)	1762.04	1762.27
LP-1	LANDING POINT	264317	1845301	35° 43' 29.96" -98° 31' 16.19"	35.724988 -98.521163	50' FNL / 1,211' FWL (NW/4 SEC 06)	--	--
LP-2	LANDING POINT	264314	1846180	35° 43' 29.98" -98° 31' 05.53"	35.724993 -98.518202	50' FNL / 2,090' FWL (NW/4 SEC 06)	--	--
LP-3	LANDING POINT	264312	1846922	35° 43' 30.00" -98° 30' 56.53"	35.724999 -98.515703	50' FNL / 2,310' FEL (NE/4 SEC 06)	--	--
BHL-1	BOTTOM HOLE LOCATION	253849	1845224	35° 41' 46.43" -98° 31' 16.44"	35.696230 -98.521232	30' FSL / 1,211' FWL (SW/4 SEC 07)	--	--
BHL-2	BOTTOM HOLE LOCATION	253848	1846103	35° 41' 46.46" -98° 31' 05.78"	35.696240 -98.518272	30' FSL / 2,090' FWL (SW/4 SEC 07)	--	--
BHL-3	BOTTOM HOLE LOCATION	253847	1846892	35° 41' 46.49" -98° 30' 56.21"	35.696249 -98.515615	30' FSL / 2,310' 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 4)

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)

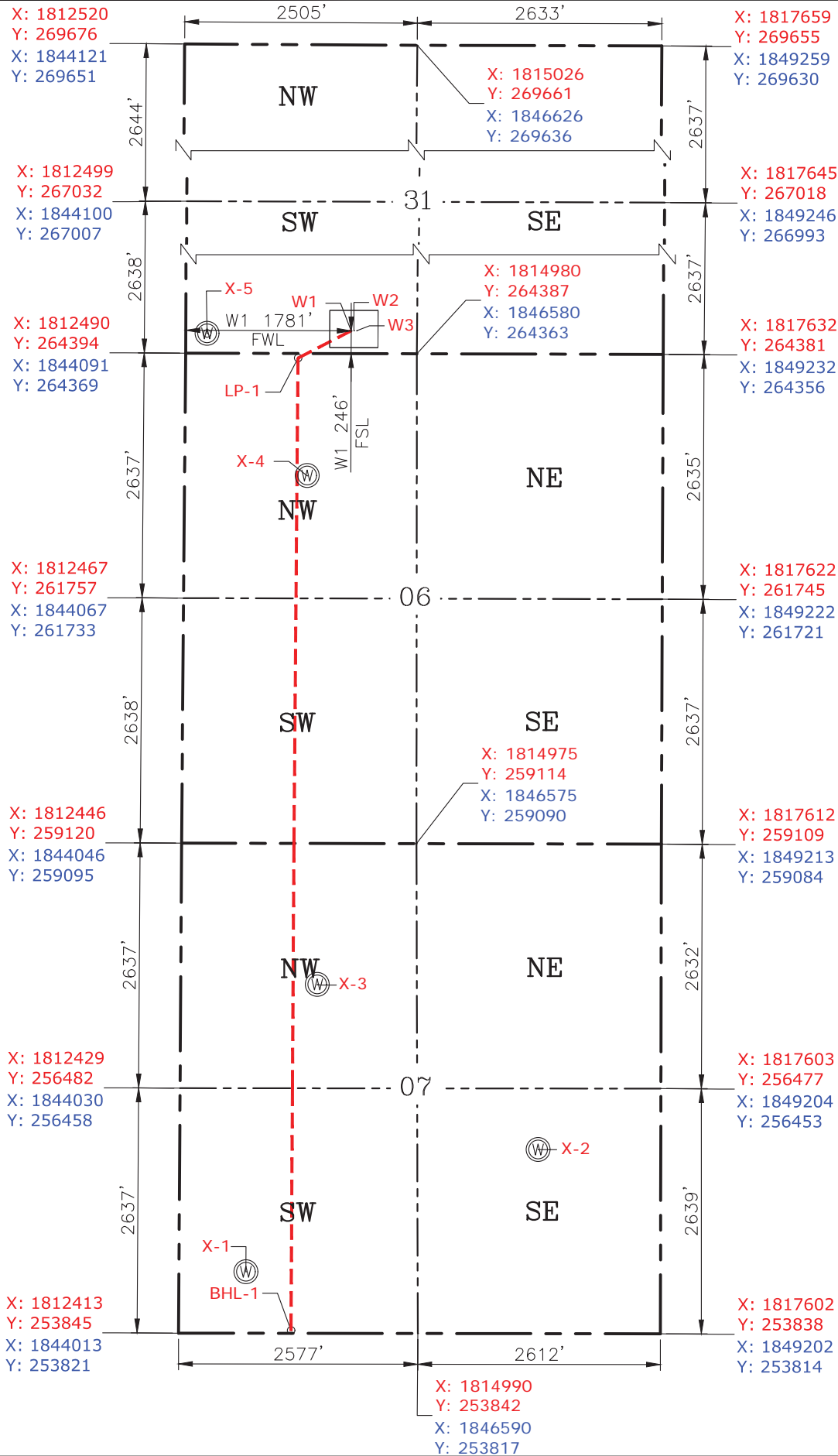
BLAINE

County Oklahoma

246' FSL-1,781 FWL Section 31 Township 15N Range 12W I.M.

WELL 1: SIMBA 3-6-7XHM

011-23924

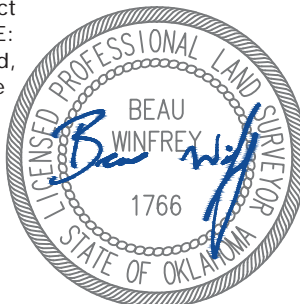


GPS DATUM  
NAD-83  
NAD-27  
OK NORTH ZONE  
US FEET  
SCALE:  
1" = 1250'

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

12/21/17

Oklahoma PLS No.1766 DATE

EXHIBIT: A (3 of 4)

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  
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CONTINENTAL  
RESOURCES, INC  
(OPERATOR)

BLAINE

County Oklahoma

246' FSL-1,811' FWL Section 31 Township 15N Range 12W I.M.

WELL 2: SIMBA 4-6-7XHM

011-23925



GPS DATUM  
NAD-83  
NAD-27

OK NORTH ZONE  
US FEET  
SCALE:  
1" = 1250'

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

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

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

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

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

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

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

X: 1815026  
Y: 269661  
X: 1846626  
Y: 269636

X: 1814980  
Y: 264387  
X: 1846580  
Y: 264363

X: 1814975  
Y: 259114  
X: 1846575  
Y: 259090

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

X: 1817659  
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Y: 269630

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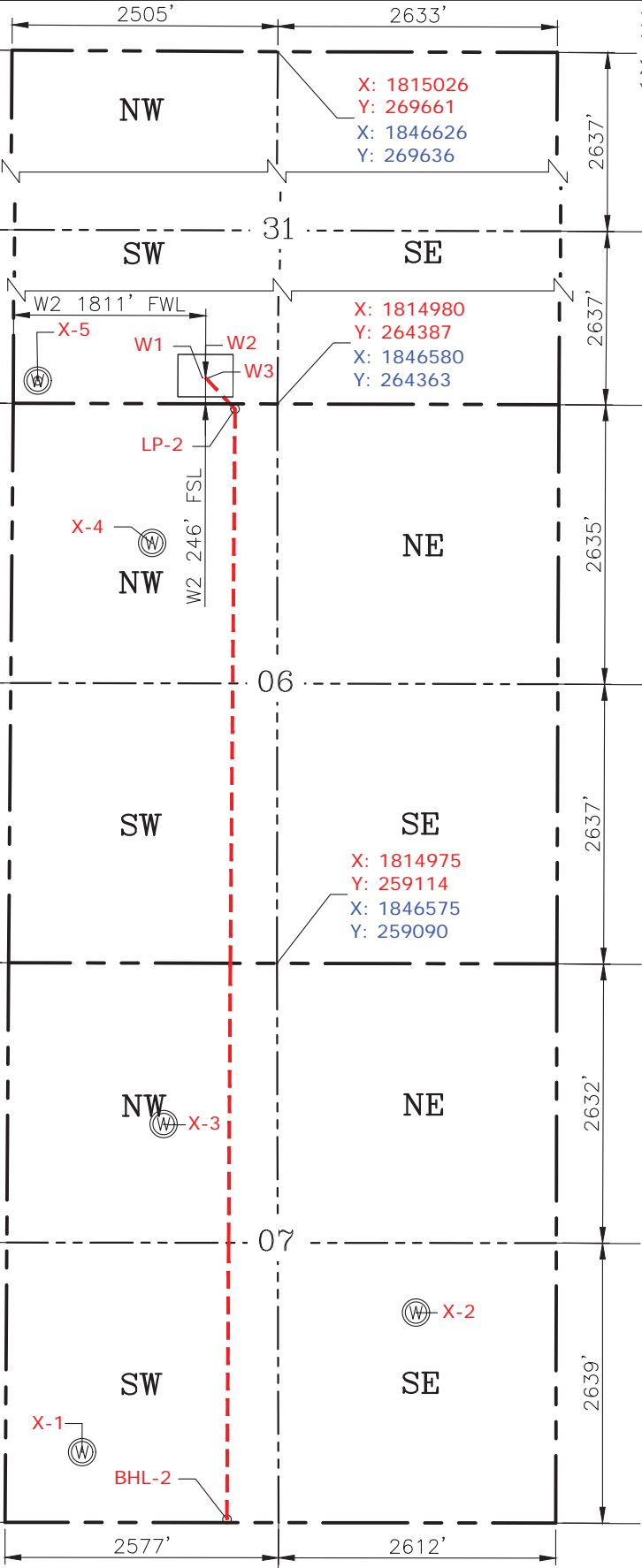
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X: 1849232  
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Y: 261721

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

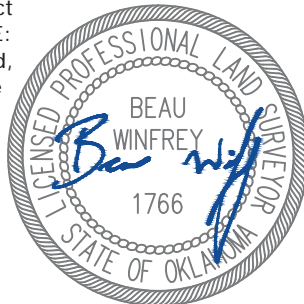
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X: 1849202  
Y: 253814



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12/21/17

Oklahoma PLS No.1766 DATE

EXHIBIT: A (4 of 4)

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

246' FSL-1,841' FWL Section 31 Township 15N Range 12W I.M.

WELL 3: SIMBA 5-6-7XHM

011-23926

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

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

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

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

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X: 1844046  
Y: 259095

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Y: 256482  
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Y: 256458

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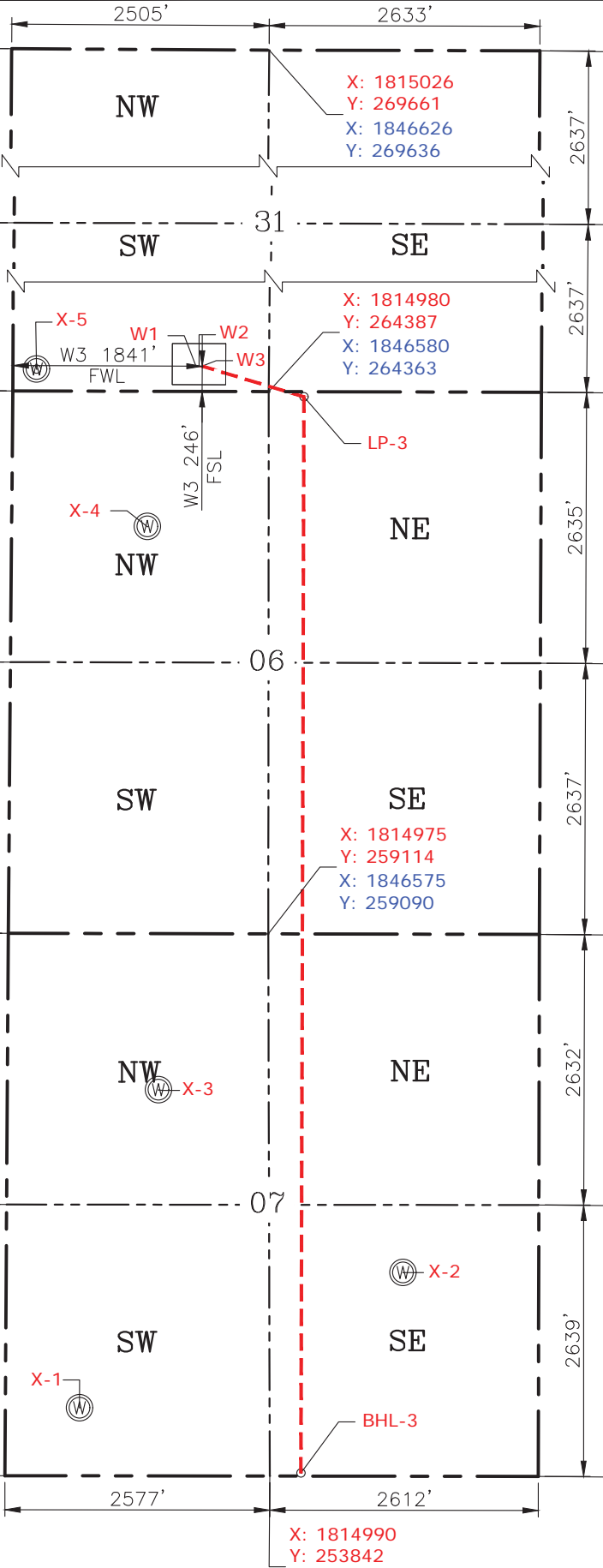
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Y: 259084

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

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



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

12/21/17

Oklahoma PLS No.1766 DATE



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

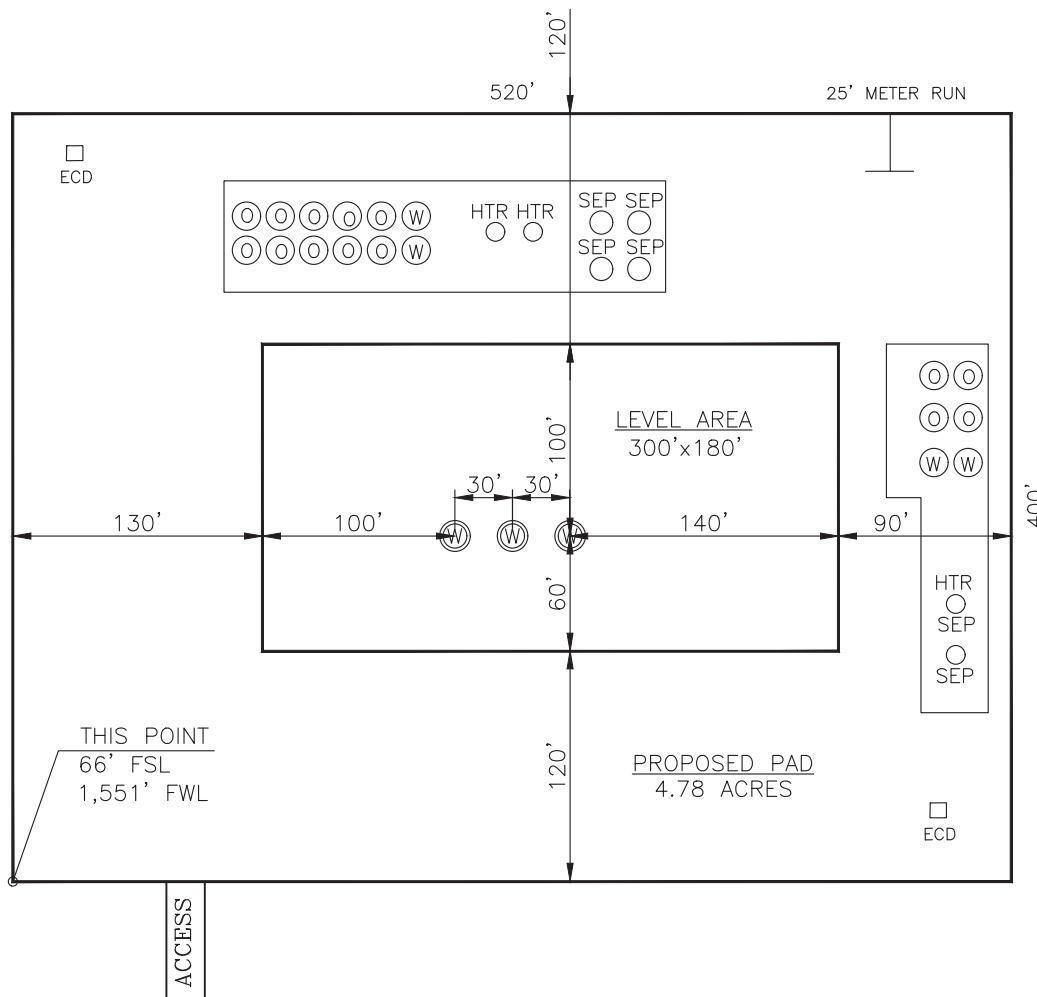
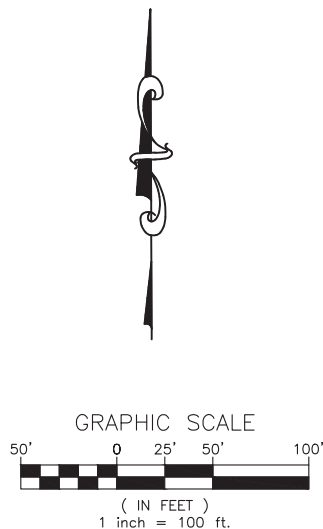
# PETRO LAND SERVICES SOUTH, LLC

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



CONTINENTAL  
RESOURCES, INC  
(OPERATOR)

W1: 246' FSL-1,781' FWL  
W2: 246' FSL-1,811' FWL  
W3: 246' FSL-1,841' FWL  
BLAINE County Oklahoma  
Section 31 Township 15N Range 12W I.M.



W1: SIMBA 3-6-7XHM  
DATUM: NAD-83  
LAT: 35°43'33.06"  
LONG: -98°31'10.55"  
LAT: 35.725850°  
LONG: -98.519597°  
STATE PLANE  
COORDINATES  
(US FEET): OK NORTH  
X: 1814271  
Y: 264635

W2: SIMBA 4-6-7XHM  
DATUM: NAD-83  
LAT: 35°43'33.06"  
LONG: -98°31'10.18"  
LAT: 35.725850°  
LONG: -98.519496°  
STATE PLANE  
COORDINATES  
(US FEET): OK NORTH  
X: 1814301  
Y: 264722

W3: SIMBA 5-6-7XHM  
DATUM: NAD-83  
LAT: 35°43'33.06"  
LONG: -98°31'09.82"  
LAT: 35.725851°  
LONG: -98.519394°  
STATE PLANE  
COORDINATES  
(US FEET): OK NORTH  
X: 1814331  
Y: 264635

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 5.65 miles to the proposed access along the north side of the road.

THE INFORMATION SHOWN  
HEREIN IS FOR CONSTRUCTION  
PURPOSES ONLY

Well W1: SIMBA 3-6-7XHM  
Well W2: SIMBA 4-6-7XHM  
Well W3: SIMBA 5-6-7XHM

( 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.



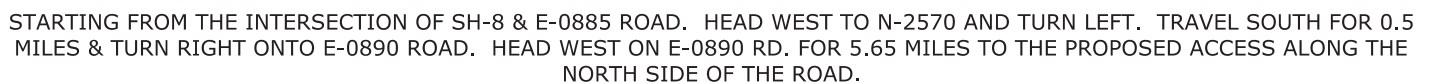
Prepared By:  
Petro Land Services South  
10404 Vineyard Blvd.  
Suite G100  
Oklahoma City, OK 73120





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. Well W3: SIMBA 5-6-7XHM

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



WELL 1: SIMBA 3-6-7XHM  
WELL 2: SIMBA 4-6-7XHM  
WELL 3: SIMBA 5-6-7XHM

## FACING NORTH

(PHOTO UNAVAILABLE)

## FACING SOUTH

(PHOTO UNAVAILABLE)



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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 3-6-7XHM  
WELL 2: SIMBA 4-6-7XHM  
WELL 3: SIMBA 5-6-7XHM

## FACING EAST

(PHOTO UNAVAILABLE)

## FACING WEST

(PHOTO UNAVAILABLE)



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Oklahoma City, OK 73120

# TERRAIN

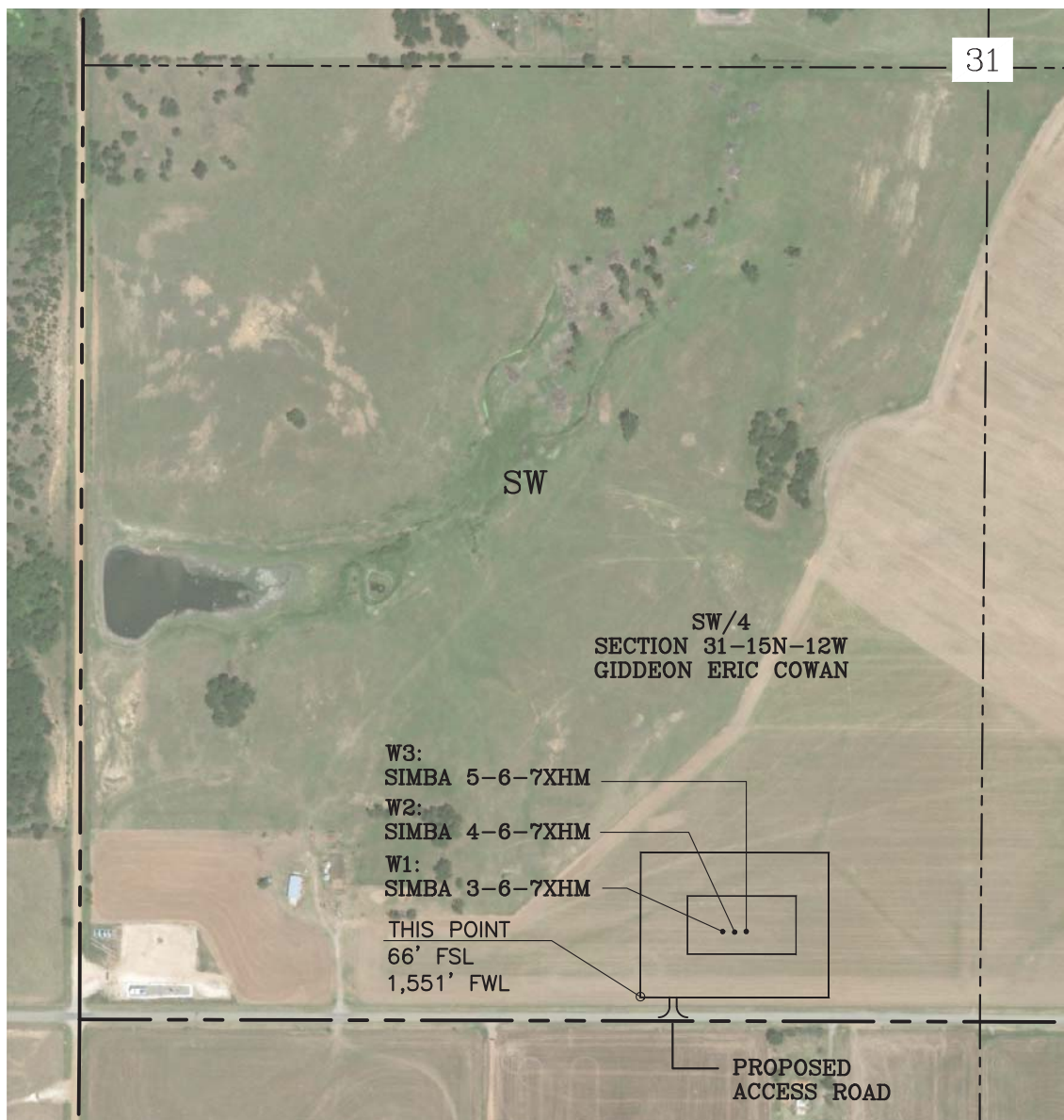
DRAWN BY:	MJL	SCALE:	N.T.S.
CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	TERRAIN-2
DATE ISSUED:	12-20-17	SHEET:	2 OF 2

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



WELL 1: SIMBA 3-6-7XHM  
WELL 2: SIMBA 4-6-7XHM  
WELL 3: SIMBA 5-6-7XHM

PROPOSED ACCESS ROAD = 56' | 3.39 RODS (TOTAL)

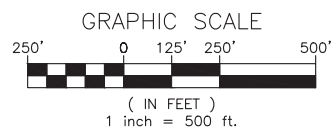


GPS DATUM - OK NORTH ZONE  
US FEET SCALE: 1" = 500'

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

County BLAINE State OK

Operator CONTINENTAL RESOURCES, INC.

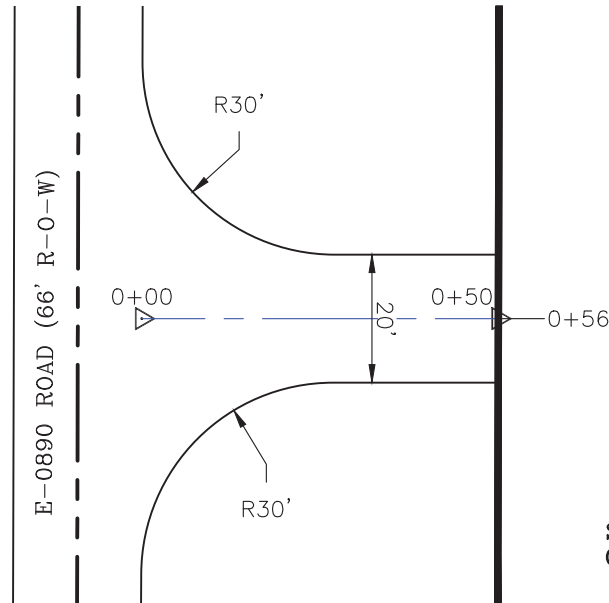


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Suite G100  
Oklahoma City, OK 73120

## AERIAL PLAT

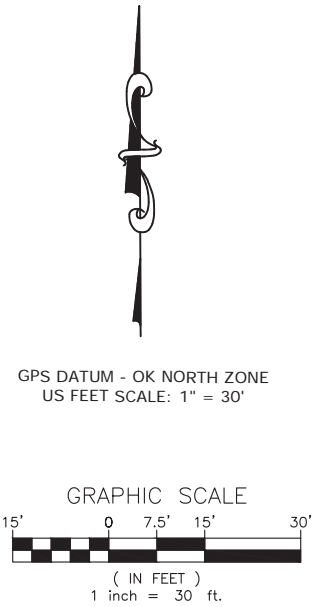
DRAWN BY:	MJL	SCALE:	1" = 500'
CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	AERIAL-1
DATE ISSUED:	12-20-17	SHEET:	1 OF 4

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



ACCESS ROAD TO  
 SIMBA 3-6-7XHM  
 SIMBA 4-6-7XHM  
 SIMBA 5-6-7XHM

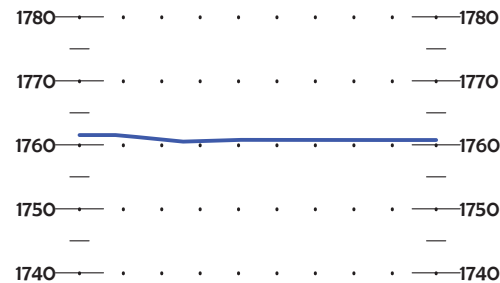
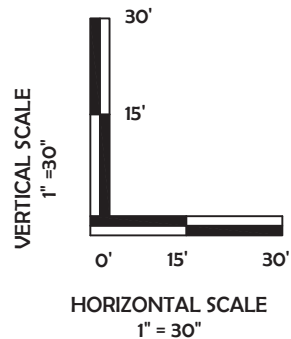
SW/4  
 SECTION 31-15N-12W  
 GIDDEON ERIC COWAN



- \* 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 3-6-7XHM  
 WELL 2: SIMBA 4-6-7XHM  
 WELL 3: SIMBA 5-6-7XHM

PROPOSED ACCESS ROAD = 56' | 3.39 RODS (TOTAL)



Prepared By:  
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 10404 Vineyard Blvd.  
 Suite G100  
 Oklahoma City, OK 73120



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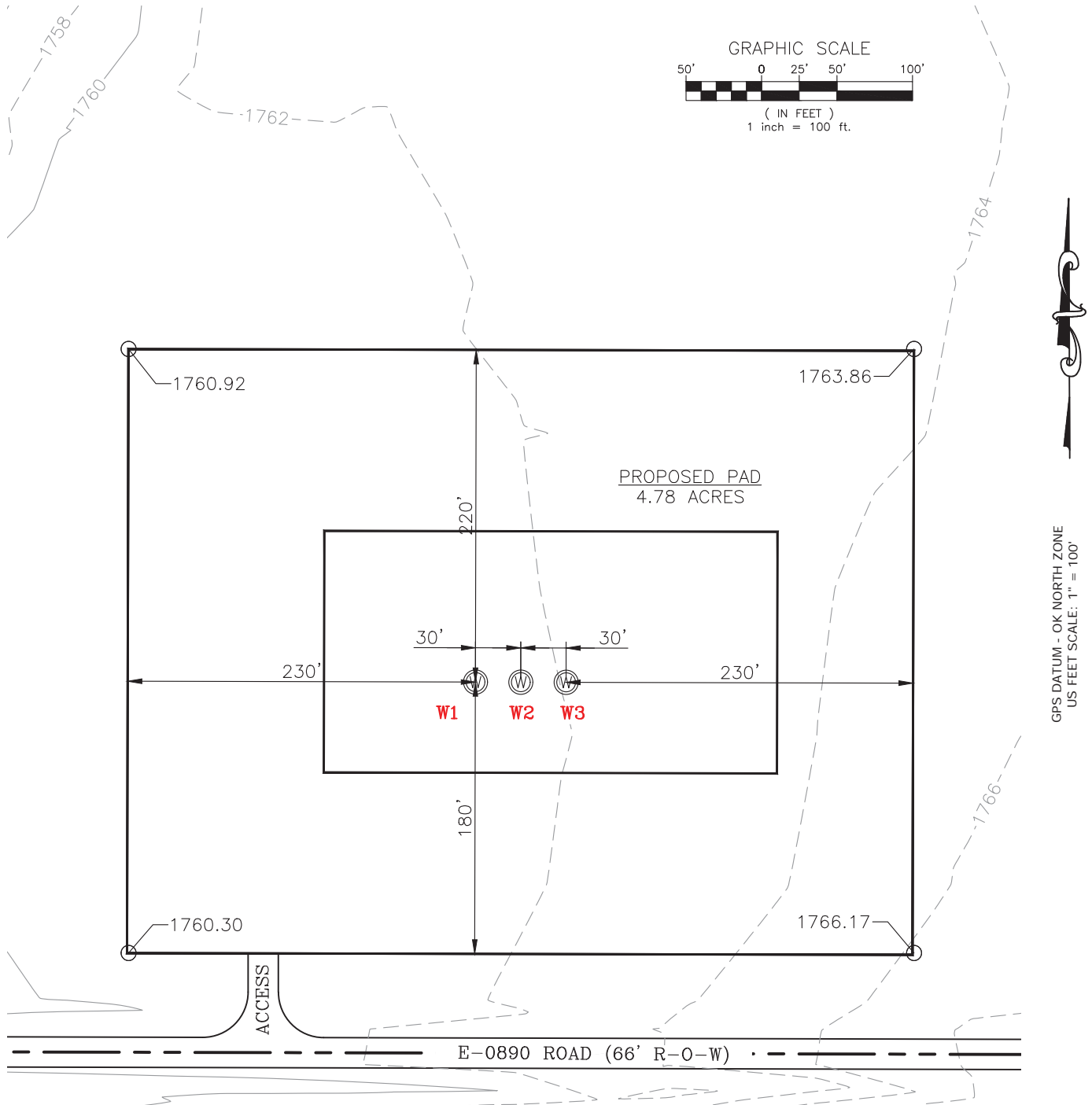
## LEASE ROAD PLAN & PROFILE

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 3-6-7XHM  
WELL 2: SIMBA 4-6-7XHM  
WELL 3: SIMBA 5-6-7XHM



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

## EXISTING GRADING PLAN

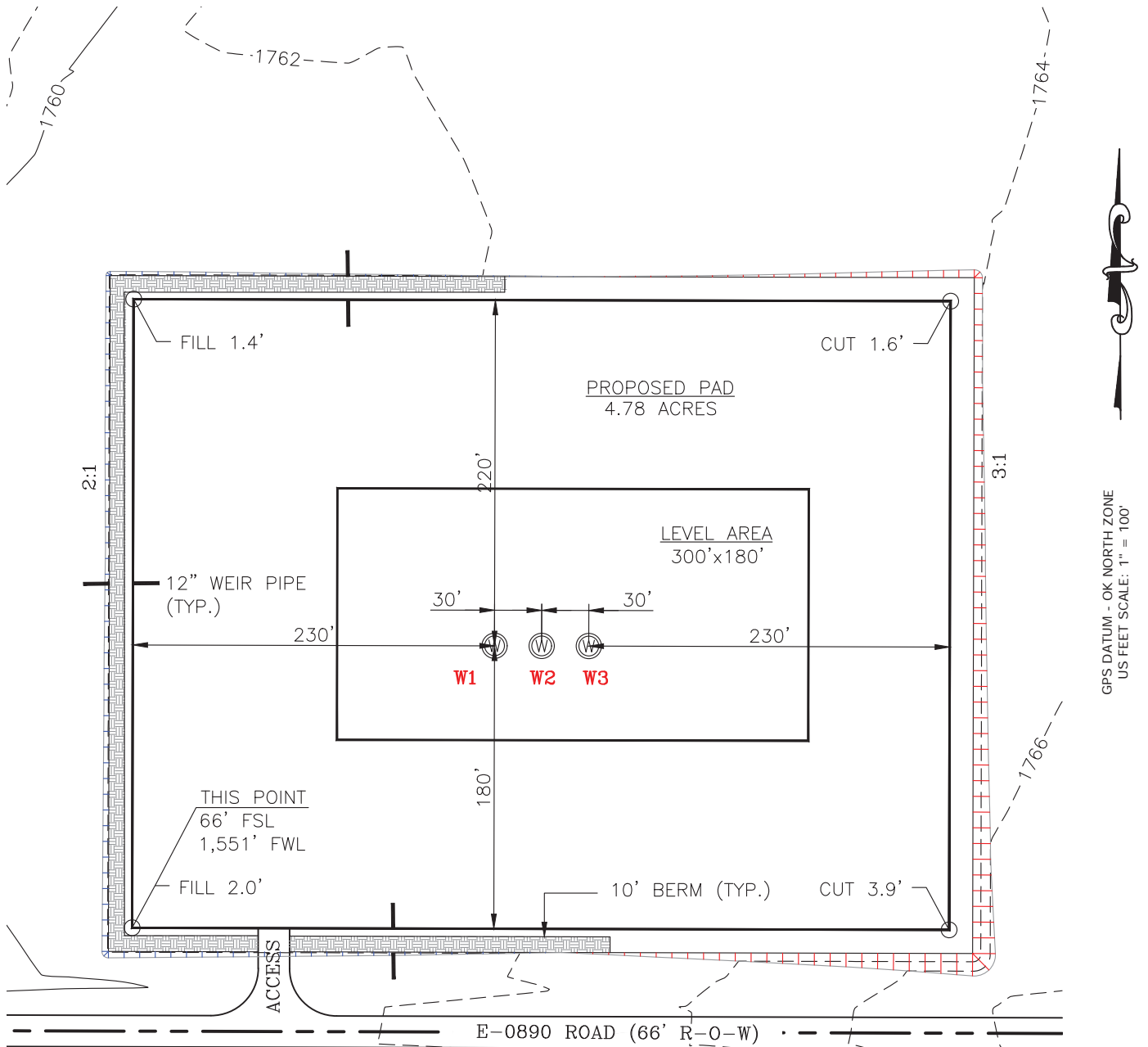
DRAWN BY:	MJL	SCALE:	1" = 100'
CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	EX-GR.
DATE ISSUED:	12-20-17	SHEET:	3 OF 4

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

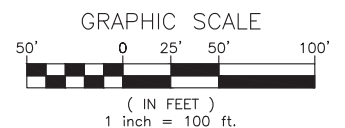


WELL 1: SIMBA 3-6-7XHM  
 WELL 2: SIMBA 4-6-7XHM  
 WELL 3: SIMBA 5-6-7XHM

TOTAL PROPOSED DISTURBED AREA: 5.69 ACRES



CUT VOLUME 4094.47 CU. YD. | STRIP 6" TOP SOIL 3,851.85 CU. YD.  
 FILL VOLUME 4092.02 CU. YD. | BERM LENGTH: 205'



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 10404 Vineyard Blvd.  
 Suite G100  
 Oklahoma City, OK 73120

## PROPOSED GRADING PLAN

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