

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

API NUMBER: 011 23950

Approval Date: 03/06/2018

Expiration Date: 09/06/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 14N Rge: 13W

County: BLAINE

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 587 609

Lease Name: NELSON BURNS FIU

Well No: 1-13-24XHM

Well will be 587 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

NELSON & PHYLLIS BURNS FAMILY TRUST
ROUTE 1 BOX 62
GEARY OK 73040

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	12746	6	
2	WOODFORD	13446	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201602267
201801372
201801371

Special Orders:

Total Depth: 22564

Ground Elevation: 1646

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 210

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 BED AQUIFER

Pit Location Formation: RUSH SPRINGS

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

PERMIT NO: 18-33903

H. SEE MEMO

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 BED AQUIFER

Pit Location Formation: RUSH SPRINGS

HORIZONTAL HOLE 1

Sec 24 Twp 14N Rge 13W County BLAINE

Spot Location of End Point: S2 SW SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 12070

Radius of Turn: 477

Direction: 185

Total Length: 9745

Measured Total Depth: 22564

True Vertical Depth: 13446

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

Notes:

Category

Description

DEEP SURFACE CASING

2/16/2018 - 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

2/16/2018 - 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

2/16/2018 - 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

2/16/2018 - 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 23950 NELSON BURNS FIU 1-13-24XHM

Category	Description
PENDING CD - 201602267	2/26/2018 - G58 - (640) 13 & 24-14N-13W VAC 137759 CSTR, MSSSD EXT OTHER EST MSSP, WDFD REC 3/6/2018 (DENTON)
PENDING CD - 201801371	2/26/2018 - G58 - (I.O.) 13 & 24-14N-13W X201602267 MSSP, WDFD COMPL. INT. (13-14N-13W) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (24-14N-13W) NCT 0' FNL, NCT 150' FSL, NCT 330' FWL NO OP. NAMED REC 3/6/2018 (DENTON)
PENDING CD - 201801372	2/26/2018 - G58 - (I.O.) 13 & 24-14N-13W EST MULTIUNIT HORIZONTAL WELL X201602267 MSSP, WDFD (13 & 24-14N-13W) 50% 13-14N-13W 50% 24-14N-13W NO OP. NAMED REC 3/6/2018 (DENTON)

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 2)
SHEET: 8.5x11
SHL: 13-14N-13W
BHL: 24-14N-13W



011-23950

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 13 Township 14N Range 13W I.M.

Well: NELSON BURNS FIU 1-13-24XHM

County BLAINE State OK

Well: _____

Operator CONTINENTAL RESOURCES, INC.

Well: _____

NAD-83

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE		DESIGN ELEVATION
W1	NELSON BURNS FIU 1-13-24XHM	253326	1807750	1650.01	N35°41'40.87" W98°32'28.88"	N35.694685° W98.541356°	587' FNL / 609' FWL (NW/4 SEC 13)	1646.18
L.P.	LANDING POINT	253108	1807470	--	N35°41'38.69" W98°32'32.26"	N35.694082° W98.542295°	809' FNL / 330' FWL (NW/4 SEC 13)	--
B.H.L.	BOTTOM HOLE LOCATION	243388	1807427	--	N35°40'02.57" W98°32'32.12"	N35.667380° W98.542255°	50' FSL / 330' FWL (SW/4 SEC 24)	--

NAD-27

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE		DESIGN ELEVATION
W1	NELSON BURNS FIU 1-13-24XHM	253301	1839350	1650.01	N35°41'40.69" W98°32'27.62"	N35.694637° W98.541004°	587' FNL / 609' FWL (NW/4 SEC 13)	1646.18
L.P.	LANDING POINT	253083	1839071	--	N35°41'38.52" W98°32'30.99"	N35.694034° W98.541942°	809' FNL / 330' FWL (NW/4 SEC 13)	--
B.H.L.	BOTTOM HOLE LOCATION	243363	1839027	--	N35°40'02.39" W98°32'30.86"	N35.667331° W98.541904°	50' FSL / 330' FWL (SW/4 SEC 24)	--

Certificate of Authorization No. 7318

Date Staked: 11-13-17
Date Drawn: 11-10-17



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	11-10-2017	MJL	ISSUED FOR APPROVAL	--
01	11-20-2017	MJL	ADDED BIA LAND	UPDATED EXHIBIT A (2 of 2)
02	11-20-2017	MJL	UPDATED WELL NAME	ALL SHEETS
03	12-01-2017	MJL	REV. GRADING	UPDATED EXHIBITS A(1 OF 2), G & I

EXHIBIT: A (2 of 2)
SHEET: 8.5x14
SHL: 13-14N-13W
BHL: 24-14N-13W

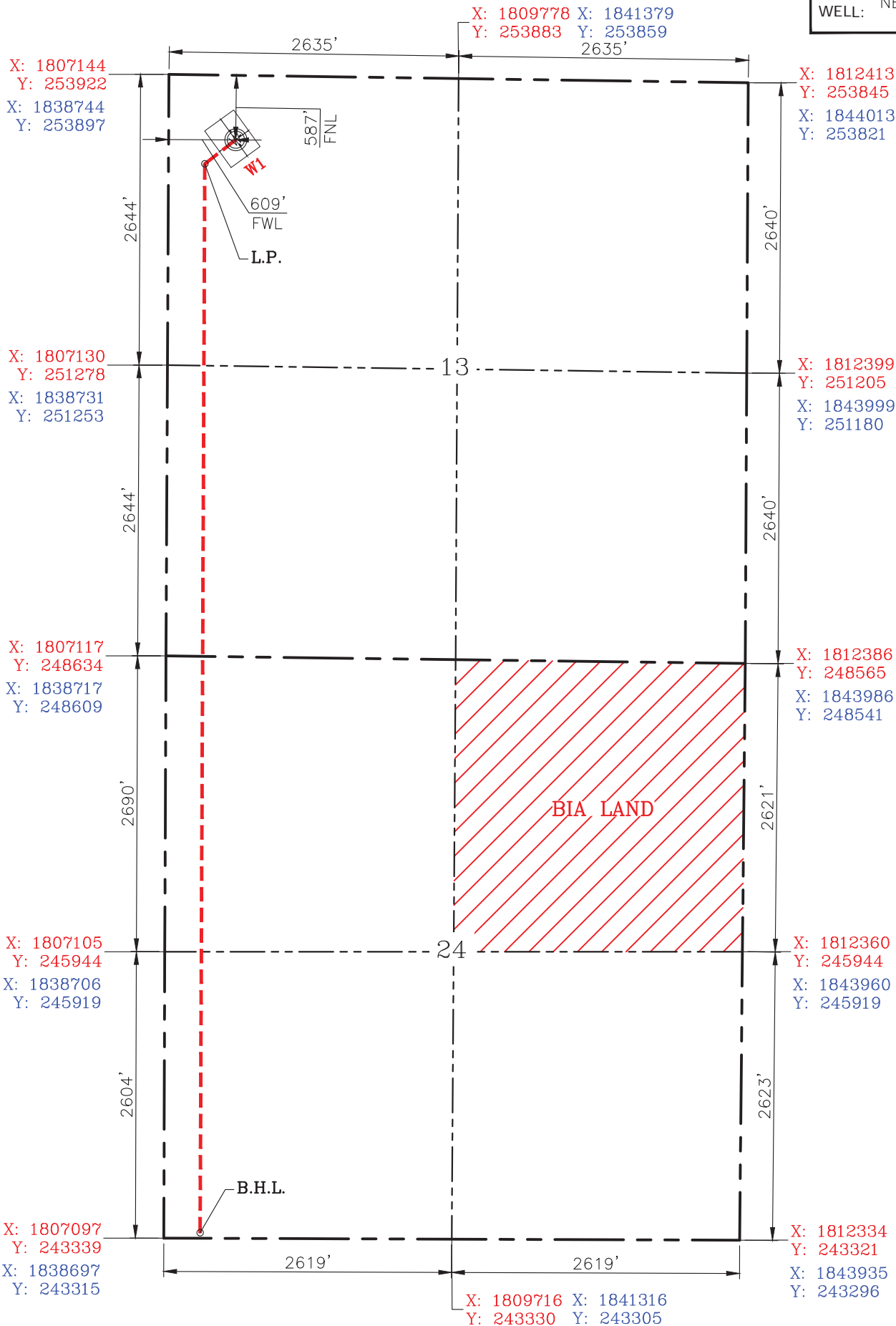
PETRO LAND SERVICES SOUTH, LLC
10404 VINEYARD BLVD. SUITE G100, OKLA. CITY, OKLA. 73120 * OFFICE (405) 212-3108
Certificate of Authorization No. 7318



CONTINENTAL
RESOURCES, INC
(OPERATOR)

BLAINE County Oklahoma
587' FNL-609' FWL Section 13 Township 14N Range 13W I.M.

WELL: NELSON BURNS FIU
1-13-24XHM

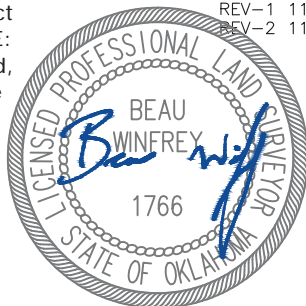


GPS DATUM
NAD-83
NAD-27
OK NORTH ZONE
US FEET
SCALE:
1" = 1250'

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.



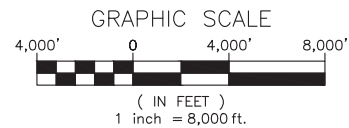
Date Staked: 11-13-17
Date Drawn: 11-10-17

REV-1 11-20-2017
REV-2 11-20-2017

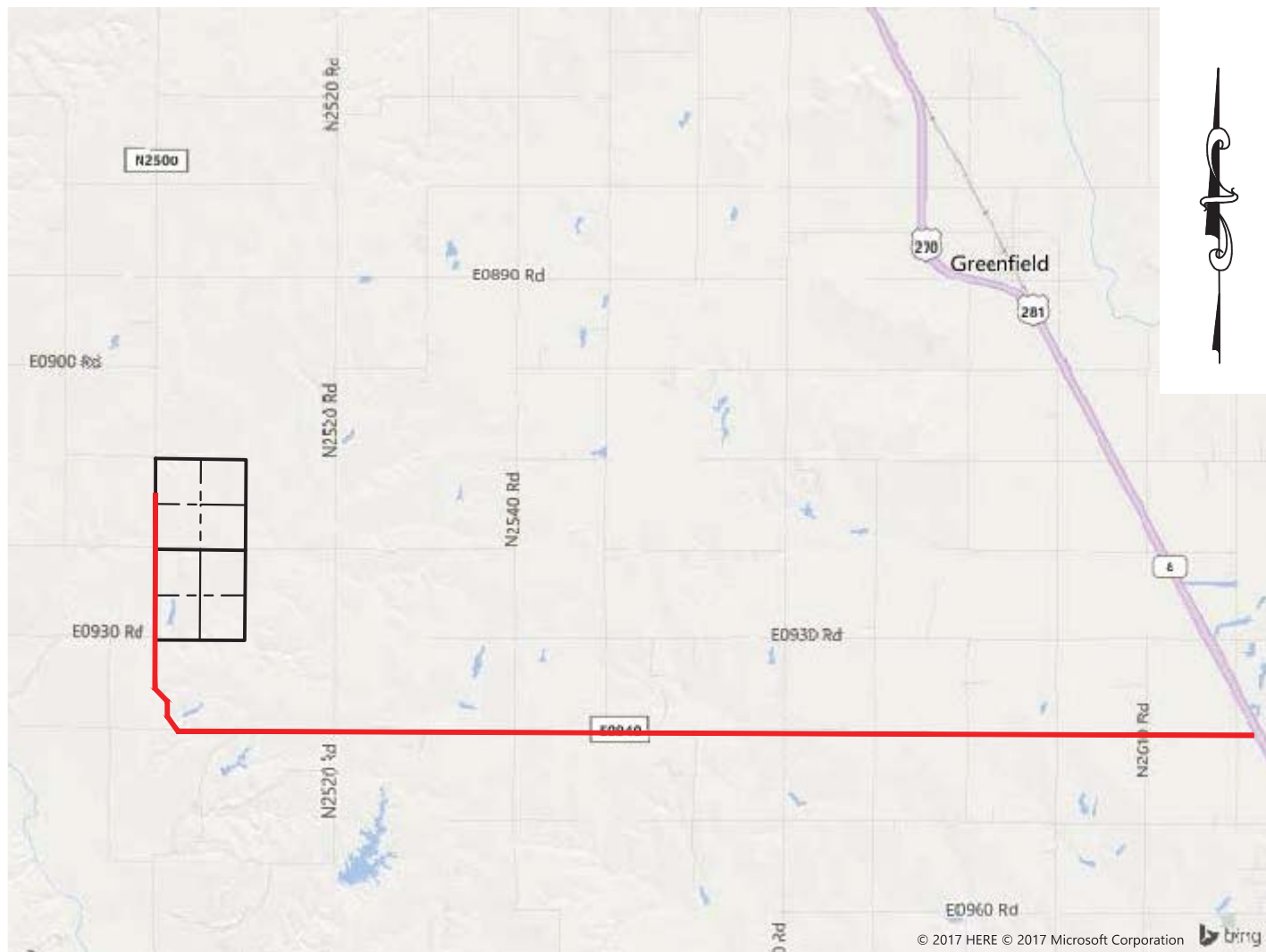
12/1/17

Oklahoma PLS No.1766 DATE

EXHIBIT: C
SHEET: 8.5x11
SHL: 13-14N-13W
BHL: 24-14N-13W



VICINITY MAP



STARTING FROM THE INTERSECTION OF SH-8 & E-0940 ROAD. HEAD WEST ON E-0940 FOR 11.9 MILES TO N-2500 ROAD. HEAD NORTH ON N-2500 ROAD FOR ± 2.9 MILES TO ACCESS ROAD ON EAST SIDE OF N-2500 ROAD.

REV-2 11-20-2017

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 13 Township 14N Range 13W I.M.

Well: NELSON BURNS FIU 1-13-24XHM

Date Staked: 11-13-17

County BLAINE State OK

Well: _____

Operator CONTINENTAL RESOURCES, INC.

Well: _____

Well: _____



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

EXHIBIT: D
SHEET: 8.5x11
SHL: 13-14N-13W
BHL: 24-14N-13W



WELL: NELSON BURNS FIU 1-13-24XHM
WELL: _____
WELL: _____
WELL: _____

FACING NORTH



FACING SOUTH



REV-2 11-20-2017



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:	11-10-17	SHEET:	1 OF 2

EXHIBIT: E
SHEET: 8.5x11
SHL: 13-14N-13W
BHL: 24-14N-13W



WELL: NELSON BURNS FIU 1-13-24XHM
WELL: _____
WELL: _____
WELL: _____

FACING EAST



FACING WEST



REV-2 11-20-2017



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:	11-10-17	SHEET:	2 OF 2

EXHIBIT: F
SHEET: 8.5x11
SHL: 13-14N-13W
BHL: 24-14N-13W



WELL: NELSON BURNS FIU 1-13-24XHM
WELL: _____
WELL: _____
WELL: _____

PROPOSED ACCESS ROAD = 1,270' | 76.97 RODS (TOTAL)

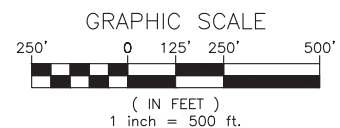


GPS DATUM - OK NORTH ZONE
US FEET SCALE: 1" = 500'

Section 13 Township 14N Range 13W I.M.

County BLAINE State OK

Operator CONTINENTAL RESOURCES, INC.



REV-2 11-20-2017

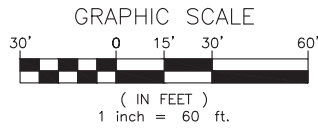


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Suite G100
Oklahoma City, OK 73120

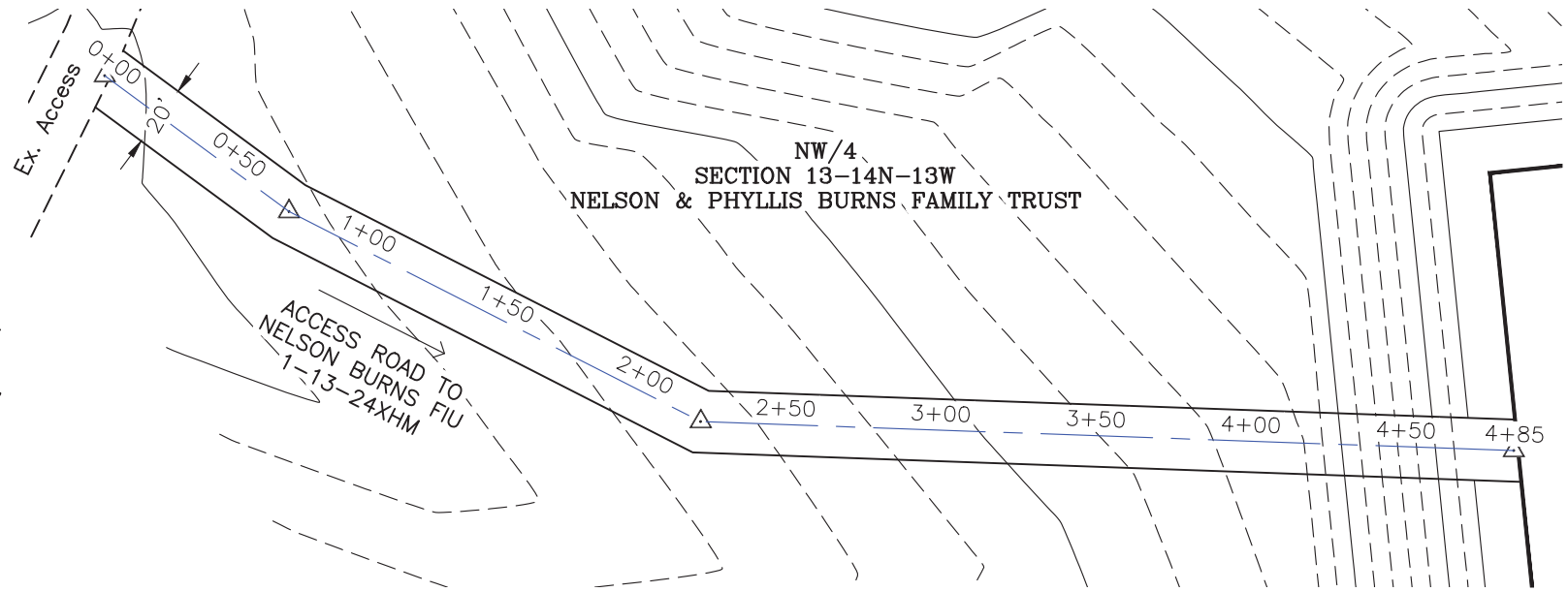
AERIAL PLAT

DRAWN BY:	MJL	SCALE:	1" = 500'
CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	AERIAL-1
DATE ISSUED:	11-10-17	SHEET:	1 OF 4

EXHIBIT: G
 SHEET: 8.5x11
 SHL: 13-14N-13W
 BHL: 24-14N-13W



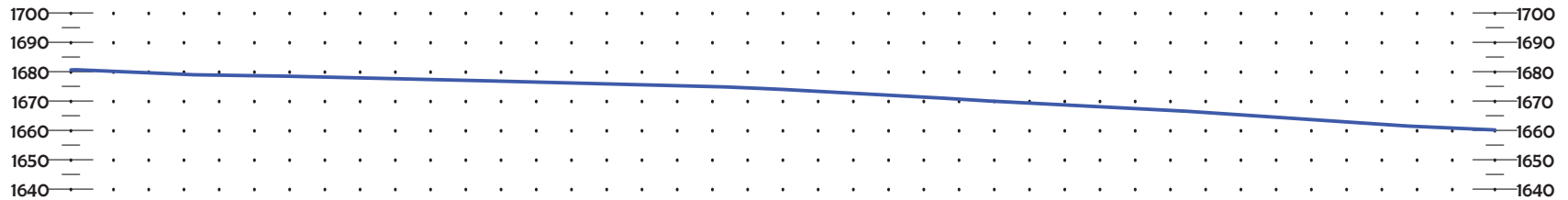
GPS DATUM - OK NORTH ZONE
 US FEET SCALE: 1" = 30'



- * 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: NELSON BURNS FIU
1-13-24XHM

PROPOSED ACCESS ROAD = 485' | 29.39 RODS (TOTAL)



REV-2 11-20-2017
 REV-3 12-01-2017



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

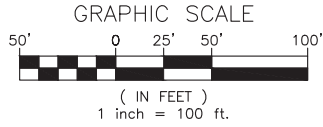
LEASE ROAD PLAN & PROFILE

DRAWN BY:	MJL	SCALE:	AS NOTED
CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	P&P
DATE ISSUED:	11-10-17	SHEET:	2 OF 4

EXHIBIT: H
 SHEET: 8.5x11
 SHL: 13-14N-13W
 BHL: 24-14N-13W



WELL: NELSON BURNS FIU 1-13-24XHM
 WELL: _____
 WELL: _____
 WELL: _____



GPS DATUM - OK NORTH ZONE
 US FEET SCALE: 1" = 100'



REV-2 11-20-2017



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

EXISTING GRADING PLAN

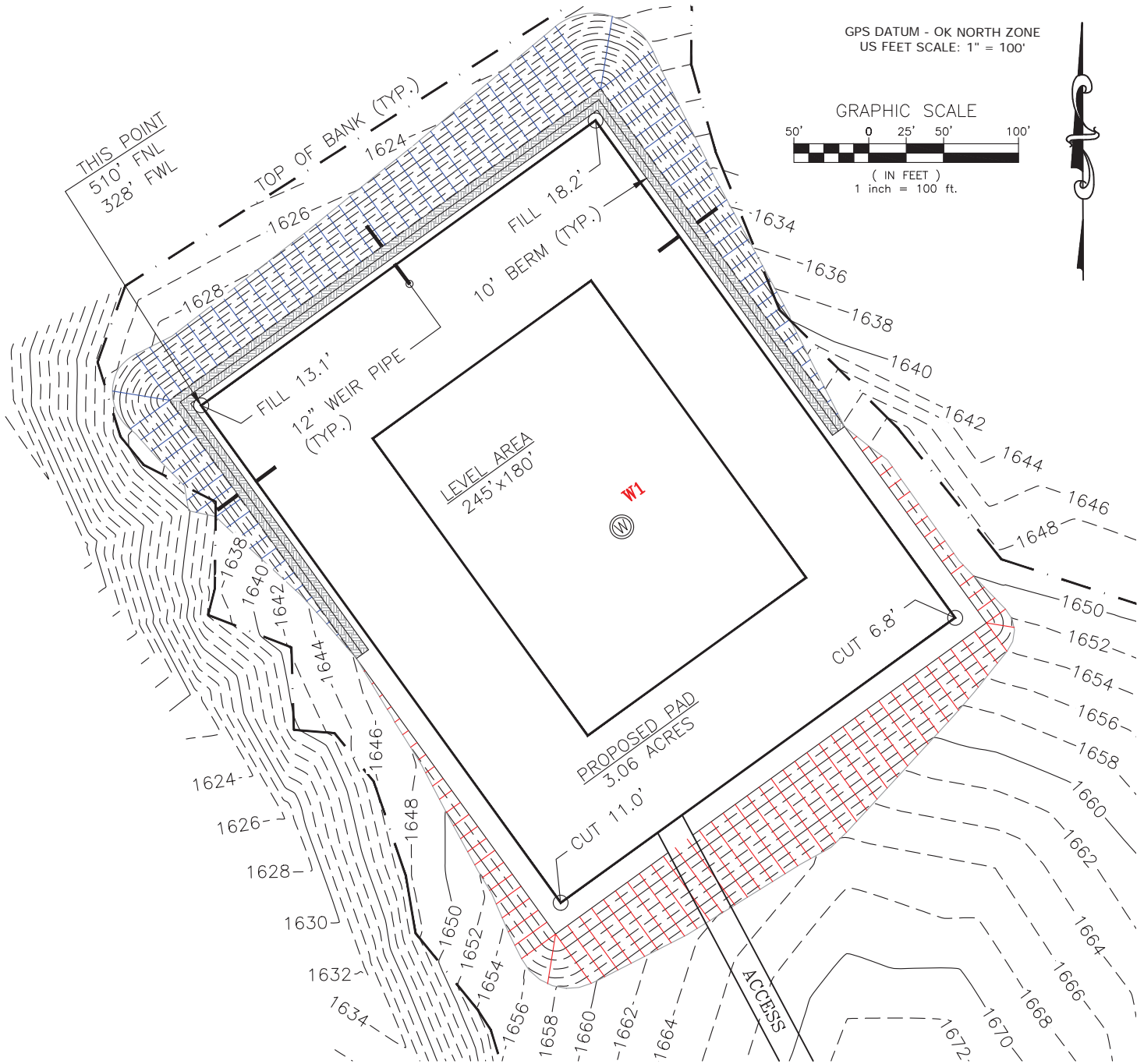
DRAWN BY:	MJL	SCALE:	1" = 100'
CHECKED BY:	MVA	JOB No.:	--
APPROVED BY:	--	DWG. NO.:	EX-GR.
DATE ISSUED:	11-10-17	SHEET:	3 OF 4

EXHIBIT: I
 SHEET: 8.5x11
 SHL: 13-14N-13W
 BHL: 24-14N-13W



WELL: NELSON BURNS FIU 1-13-24XHM
 WELL: _____
 WELL: _____
 WELL: _____

TOTAL PROPOSED DISTURBED AREA: 4.80 ACRES



CUT VOLUME 27604.40 CU. YD. | STRIP 6" TOP SOIL 2,467.59 CU. YD.
 FILL VOLUME 27610.84 CU. YD. | BERM LENGTH: 826'

REV-2 11-20-2017
 REV-3 12-01-2017



Prepared By:
 Petro Land Services South
 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:	11-10-17	SHEET:	4 OF 4