API NUMBER: 051 24734 Α

Oil & Gas

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

11/12/2019 Approval Date: 05/12/2021 Expiration Date:

3186 0

Horizontal Hole Multi Unit

Amend reason: SHL & BHL & UPDATE ORDERS

AMEND PERMIT TO DRILL

Telephone: 4052349020; 4052349

Lease Name: N	IILLS					We	II No:	3-16-21XH	W	
						SECTION LINES:		1660		1985
SPOT LOCATION:	SW	NE	SE	NW		FEET FROM QUARTER:	FROM	NORTH	FROM	WEST
WELL LOCATION:	Sec:	16 Tw	vp: 7N	Rge:	5W	County	GRAI	ΟY		

Well will be 1660 feet from nearest unit or lease boundary. CONTINENTAL RESOURCES INC

Operator

CONTINENTAL RESOURCES INC

PO BOX 269000

OKLAHOMA CITY. OK 73126-9000 **DUSTY & KELLY RICKS REV TRUST**

PO BOX 933

BLANCHARD OK 73010

OTC/OCC Number:

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

	Name	Depth	Name	De	epth
1	MISSISSIPPIAN	11238	6		
2	SYCAMORE	11351	7		
3	WOODFORD	11489	8		
4	MISENER-HUNTON	11647	9		
5	HUNTON	11647	10		
Spacing Orders:	644200 653269	Location Exception Orders:		Increased Density Orders:	704972
					704973

Pending CD Numbers: 201904916 Special Orders:

201904917

Ground Elevation: 1214 Total Depth: 20205 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 360

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids: PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED D. One time land application -- (REQUIRES PERMIT)

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? 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: CHICKASHA PERMIT NO: 19-36754

H. SEE MEMO

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: CHICKASHA

HORIZONTAL HOLE 1

Sec 09 Twp 7N Rge 5W County **GRADY** SE Spot Location of End Point: SE SW SW Feet From: SOUTH 1/4 Section Line: 50 Feet From: EAST 1/4 Section Line: 2196

Depth of Deviation: 11100 Radius of Turn: 477

Direction: 12

Total Length: 8389

Measured Total Depth: 20222
True Vertical Depth: 11869
End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category Description

DEEP SURFACE CASING 10/15/2019 - 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 10/15/2019 - 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; 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

INCREASED DENSITY - 704972 10/21/2019 - GC2 - 16-7N-5W

X644200 WDFD 6 WELLS NO OP. NAMED 11-7-2019

INCREASED DENSITY - 704973 10/21/2019 - GC2 - 9-7N-5W

X653269 WDFD 3 WELLS NO OP. NAMED 11-7-2019

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.

MEMO 10/15/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WINTER CREEK

WATERSHED), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201904916 10/21/2019 - GC2 - (I.O.) 16 & 9-7N-5W

EST MULTIUNIT HÖRIZONTAL WELL

X644200 WDFD 16-7N-5W X653269 WDFD 9-7N-5W

33% 16-7N-5W 67% 9-7N-5W

CONTINENTAL RESOURCES, INC REC. 10-21-2019 (P. PORTER)

PENDING CD - 201904917 10/21/2019 - GC2 - (I.O.) 16 & 9-7N-5W

X644200 WDFD 16-7N-5W X653269 WDFD 9-7N-5W

X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO EXISTING AND/OR PROPOSED

WELL

COMPL. INT. (16-7N-5W) NCT 1,320' FSL, NCT 0' FNL, NCT 1,320' FWL

COMPL. INT. (9-7N-5W) NCT 0' FSL, NCT 150' FNL, NCT 1,320' FWL CONTINENTAL RESOURCES,

INC

REC. 10-21-2019 (P. PORTER)

SPACING - 644200 10/21/2019 - GC2 - (640)(HOR) 16-7N-5W

EXT (VER) OTHERS EST (VER) OTHERS EST (HOR) WDFD, OTHER VAC OTHERS COMPL. INT. NCT 330' FB

SPACING - 653269 10/21/2019 - GC2 - (640)(HOR) 9-7N-5W

EXT 643068 WDFD, OTHERS

EXT OTHER

COMPL. INT. NCT 165' FNL/FSL, NCT 330' FEL/FWL

EXHIBIT: A (1 of 4)

SHEET: 8.5x11

SHL:

<u>16-7N-5W</u>

BHL-E3 <u>9-7N-5</u>W

BHL-M3 21-7N-5W



COVER SHEET

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

Section 16 Township 7N Range 5W I.M.

EMERY 3-16-9XHW Well: ___

GRADY State OK County ____

MILLS 3-16-21XHW Well: _

CONTINENTAL RESOURCES, INC. Operator

						_		
		NAD-	-83					
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
₩-E3	EMERY 3-16-9XHW	636951	2047939	35' 04' 59.72" -97' 44' 04.15"	35.083255 -97.734486	1630' FNL / 1985' FWL (NW/4 SEC 16)	1211.66*	1214.09'
LP-E3	LANDING POINT	636952	2048044	35' 04' 59.72" -97' 44' 02.89"	35.083255 -97.734135	1630' FNL / 2090' FWL (NW/4 SEC 16)		
BHL-E3	BOTTOM HOLE LOCATION	643812	2048017	35' 06' 07.57" -97" 44' 02.99"	35.102103 -97.734163	50' FNL / 2090' FWL (NW/4 SEC 09)		
W-M3	MILLS 3-18-21XHW	636921	2047939	35" 04" 59.42" -97" 44" 04.15"	35.083172 -97.734486	1660' FNL / 1985' FWL (NW/4 SEC 16)	1211.83'	1214.09
LP~M3	LANDING POINT	636921	2047901	35' 04' 59,42" -97" 44' 04.61"	35.083172 -97.734613	1660' FNL / 1947' FWL (NW/4 SEC 16)		
PI-1	POINT OF INTERSECT	635940	2047816	35° 04° 49.72° -97° 44° 05.67°	35.080477 -97.734907	2641' FNL / 1861' FWL (NW/4 SEC 16)		
PI-2	POINT OF INTERSECT	633300	2047924	35' 04' 23.60" -97' 44' 04.45"	35.073222 -97.734569	0' FSL / 1964' FWL (SW/4 SEC 16)		
BHLM3	BOTTOM HOLE LOCATION	628068	2048155	35' 03' 31.83" -97' 44' 01.83"	35,058842 -97,733842	50' FSL / 2196' FWL (SW/4 SEC 21)		
X-1	VIERSEN #1-9	642358	2049699	35' 05' 53.13" -97' 43' 42.80"	35.098092 -97.725556	9-7N-5W: TD: 12,285' 1,509' FNL / 1,509' FEL		
X-2	EMERY #1-9-16XH	643483	2050824	35' 05' 04.24" -97' 43' 29.22"	35.101179 -97.724783	9-7N-5W: TD: 6,759' 385' FNL / 382' FEL		
X-3	MIDDLEBERG SWD #1	640333	2047785	35' 05' 33.17" -97' 44' 05.90"	35.092547 -97.734972	9-7N-5W: TD: 8,050' 1,752' FSL / 1,840' FWL		
X-4	RICKS #7-5-4-1H	642901	2047802	35' 05' 58.57" -97' 44' 05.61"	35,099603 -97,734892	9-7N-5W: TD: 17,012' 960' FNL / 1,870' FWL		
X-5	MILLS #1-21H	628272	2046949	35' 03' 33.90" -97' 44' 16.33"	35.059416 -97,737870	21-7N-5W: T0: 18,400' 255' FSL / 990' FWL		
X-6	STRASSLE #1-28-33XH	628634	2046889	35' 03' 37,46" -97' 44' 17,04"	35.060411 -97.738067	21-7N-5W: TD: 17.873' 617' FSL / 930' FWL		
X-7	EMERY #1R-9-16XH	643450	2050794	35' 06' 03,92" -97' 43' 29.58"	35.101088 -97.724883	9-7N-5W: TD: 21,281' 418' FNL / 412' FEL		

Certificate of Authorization No. 7318

Date Staked: 08-02-19 Date Drawn: 11-13-19



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

RE	REVISIONS							
No.	DATE	BY	DESCRIPTION	COMMENTS				
00	06-18-19	TJW	ISSUED FOR APPROVAL					
01	07-30-19	MſŢ	MOVED PAD NORTH	REV'D ALL EXHIBITS				
02	10-7-19	HDG	REV'D ACCESS ROAD	REV'D EXHIBIT F,G & "A"				
03	11-13-19	HDG	REV'D MILLS 3 BHL/ADDED PI	REV'D EXHIBIT A1, A2 & A3				

EXHIBIT: <u>A (2 of 4)</u>

SHEET: 8.5x11

SHL:

<u>16-</u>7N-5W

BHL-E3 9-7N-5W

BHL-M3 21-7N-5W



COVER SHEET CONTINUED...

CONTINENTAL RESOURCES, INC.

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

Section	16 Township	7NRange	<u>5W</u> I.M.	Well:	EMERY 3-16-9XHW
	GRADY	State	OK	Well:	MILLS 3-16-21XHW
Country	0.17101			weii:	

Operator _____CONTINENTAL RESOURCES, INC.

	<u> </u>	NAD-	-27					
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W-E3	EMERY 3-16-9XHW	636909	2079536	35' 04' 59.48" -97' 44' 03.01"	35.083188 -97.734168	1630' FNL / 1985' FWL (NW/4 SEC 16)	1211.68	1214.09'
LP-E3	LANDING POINT	636909	2079641	35' 04' 59.48' -97' 44' 01.74"	35.083188 -97.733818	1630' FNL / 2090' FWL (NW/4 SEC 16)		
BHL-E3	BOTTOM HOLE LOCATION	643769	2079614	35° 06° 07.33° -97° 44° 01.84°	35.102037 -97.733846	50' FNL / 2090' FWL (NW/4 SEC 09)		
W-M3	MILLS 3-16-21XHW	636879	2079536	35' 04' 59.18" -97' 44' 03.01"	35.083108 -97,734169	1860' FNL / 1985' FWL (NW/4 SEC 16)	1211.83'	1214.09'
LP-M3	LANDING POINT	636879	2079498	35' 04' 59.18" -97' 44' 03.46"	35.083106 -97.734296	1660' FNL / 1947' FWL (NW/4 SEC 16)		
PI-1	POINT OF INTERSECT	635898	2079412	35' 04' 49.48" -97' 44' 04.52"	35.080410 -97.734590	2641' FNL / 1861' FWL (NW/4 SEC 16)		
PI-2	POINT OF INTERSECT	633258	2079521	35° 04' 23.36" -97° 44' 03.31"	35.073156 -97.734251	0' FSL / 1964' FWL (SW/4 SEC 16)		
BHL-M3	BOTTOM HOLE LOCATION	628024	2079752	35° 03' 31.59" -97' 44' 00.69"	35.058774 -97.733525	50' FSL / 2196' FWL (SW/4 SEC 21)		
X-1	VIERSEN #1-9	642314	2081295	35' 05' 52.89" -97' 43' 41.66"	35.098026 -97,728239	9-7N-5W: TD: 12,285' 1,509' FNL / 1,509' FEL		
X-2	EMERY # 1-9-16XH	643441	2082421	35° 06° 04.00° -97° 43° 28.08°	35.101112 -97.724466	9-7N-5W: TD: 6,759' 385' FNL / 382' FEL		
X-3	MIDDLEBERG SWD #1	640291	2079382	35' 05' 32.93" -97' 44' 04.76"	35.092481 -97.734654	9-7N-5W: TD: 8,050' 1,752' FSL / 1,840' FWL	-	
X-4	RICKS #7-5-4-1H	642859	2079399	35° 05' 58.33" -97' 44' 04.47"	35.099537 -97.734574	9-7N-5W: TD: 17,012' 960' FNL / 1,870' FWL		
X-5	MILLS #1-21H	628230	2078546	35' 03' 33.66" -97' 44' 15.19"	35.059349 -97.737552	21-7N-5W: TD: 16,400' 255' FSL / 990' FWL		
X-6	STRASSLE #1-28-33XH	626592	2076486	35' 03' 37.24" -97' 44' 15.90"	35.080344 -97.737749	21-7N-5W: TD: 17,873' 617' FSL / 930' FWL		
X-7	EMERY #1R-9-16XH	643407	2082391	35' 06' 03.68" -97' 43' 28.44"	35,101022 -97,724566	9-7N-5W: TD: 21,281° 418° FNL / 412° FEL		

Certificate of Authorization No. 7318

Date Staked: 08-02-19 Date Drown: 11-13-19



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

EXHIBIT: A (3 of 4)

BHL-E3 9-7N-5W

SHEET:

___ 8.5x14

16-7N-5W

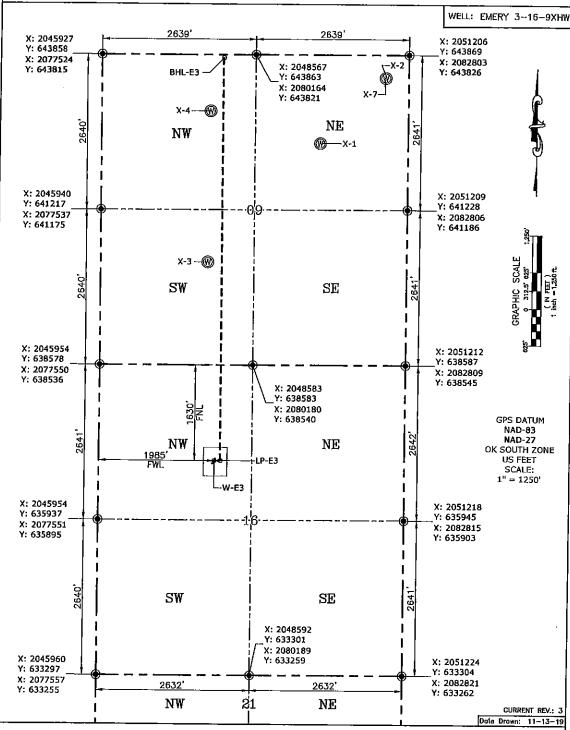
PETRO LAND SERVICES SOUTH, LLC

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

GRADY 1630' FNL-1985' FWL Section 16 Township

County Oklahoma 7N Range __5W _I.M. Continental

CONTINENTAL RESOURCES, INC (OPERATOR)



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

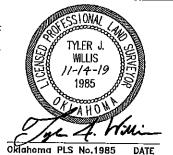


EXHIBIT: A (4 of 4) 8.5x14

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

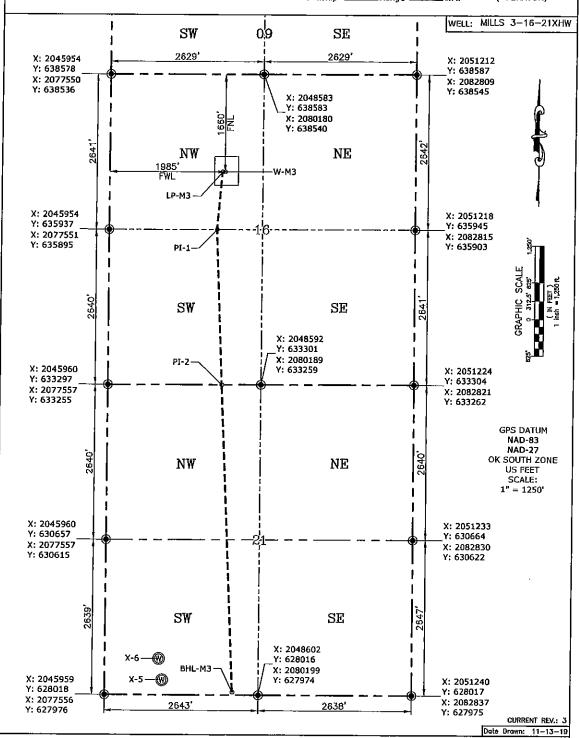
Continental 🏝

SHEET:

16-7N-5W BHL-M3 21-7N-5W

GRADY _ County Oklahoma 1660' FNL-1985' FWL Section 16 Township

CONTINENTAL RESOURCES, INC 7N Range _ 5W I.M. (OPERATOR)



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

