

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

API NUMBER: 051 24607

Approval Date: 04/08/2019

Expiration Date: 10/08/2020

Horizontal Hole
Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 4N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ NE ☐ SE ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 568 1600

Lease Name: SINGER

Well No: 6-18-7XHW

Well will be 568 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

SHELBY & KAREN JOHNSON
PO BOX 123
ALEX OK 73002

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

	Name	Depth	Name	Depth
1	SYCAMORE	13983	6	
2	WOODFORD	14440	7	
3	HUNTON	14543	8	
4			9	
5			10	

Spacing Orders: 134400
597018
184780

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901205
201901204
201901196
201901197

Special Orders:

Total Depth: 24226

Ground Elevation: 1101

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 330

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: 3000 Average: 2000

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: DUNCAN

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

PERMIT NO: 19-36321

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: DUNCAN

HORIZONTAL HOLE 1

Sec 07 Twp 4N Rge 5W County GRADY

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 30

Feet From: EAST 1/4 Section Line: 1254

Depth of Deviation: 13500

Radius of Turn: 478

Direction: 5

Total Length: 9976

Measured Total Depth: 24226

True Vertical Depth: 14774

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

Additional Surface Owner	Address	City, State, Zip
J. BELINDA ROGERS	3209 S.E. 32ND STREET	OKLAHOMA CITY, OK 73165

Notes:

Category

Description

DEEP SURFACE CASING

3/7/2019 - 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

3/7/2019 - 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: OCCWEB.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

MEMO

3/7/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201901196

3/22/2019 - G58 - 7-4N-5W
X134400 WDFD
4 WELLS
NO OP. NAMED
REC 4/1/2019 (NORRIS)

This permit does not address the right of entry or settlement of surface damages.

051 24607 SINGER 6-18-7XHW

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.

Category	Description
PENDING CD - 201901197	3/22/2019 - G58 - 18-4N-5W X597018 WDFD 4 WELLS NO OP. NAMED REC 4/1/2019 (NORRIS)
PENDING CD - 201901204	3/22/2019 - G58 - (I.O.) 7 & 18-4N-5W EST MULTIUNIT HORIZONTAL WELL X134400 SCMR, WDFD, HNTN X184780 SCMR, HNTN X597018 WDFD (SCMR & HNTN ARE ADJACENT CSS TO WDFD) 50% 7-4N-5W 50% 18-4N-5W NO OP. NAMED REC 4/1/2019 (NORRIS)
PENDING CD - 201901205	3/22/2019 - G58 - (I.O.) 7 & 18-4N-5W X134400 SCMR, WDFD, HNTN X184780 SCMR, HNTN X597018 WDFD X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING WELL COMPL. INT. 7-4N-5W NCT 150' FNL, NCT 0' FSL, NCT 990' FEL COMPL. INT. 18-4N-5W NCT 0' FNL, NCT 150' FSL, NCT 990' FEL NO OP. NAMED REC 4/1/2019 (NORRIS)
SPACING - 134400	3/22/2019 - G58 - (640) 7-4N-5W EXT OTHERS EXT 94778 WDFD, HNTN EXT 94778/123502 SCMR, OTHER
SPACING - 184780	3/22/2019 - G58 - (640) 18-4N-5W EXT OTHERS EXT 134400/146081 SCMR, HNTN, OTHERS
SPACING - 597018	3/22/2019 - G58 - (640) 18-4N-5W EXT 590401 WDFD EXT OTHERS

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: 8.5x11
SHL: 18-4N-5W
BHL-5 7-4N-5W
BHL-6 7-4N-5W



COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 18 Township 4N Range 5W I.M.

Well: SINGER 5-18-7XHW **051-24606**

County GRADY State OK

Well: SINGER 6-18-7XHW **051-24607**

Operator CONTINENTAL RESOURCES, INC.

NAD-83							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W5	SINGER 5-18-7XHW	538829	2040032	34° 48' 49.37" -97° 45' 42.08"	34.813713 -97.761688	568' FSL / 1630' FEL (SE/4 SEC 18)	1094.11'	1101.04'
LP-5	LANDING POINT	538830	2039484	34° 48' 49.39" -97° 45' 48.64"	34.813718 -97.763512	568' FSL / 2178' FEL (SE/4 SEC 18)	--	--
BHL-5	BOTTOM HOLE LOCATION	548801	2039467	34° 50' 28.01" -97° 45' 48.57"	34.841115 -97.763492	30' FNL / 2178' FEL (NE/4 SEC 7)	--	--
W6	SINGER 6-18-7XHW	538829	2040062	34° 48' 49.37" -97° 45' 41.72"	34.813713 -97.761588	568' FSL / 1600' FEL (SE/4 SEC 18)	1095.76	1101.04'
LP-6	LANDING POINT	538828	2040408	34° 48' 49.35" -97° 45' 37.56"	34.813708 -97.760434	568' FSL / 1254' FEL (SE/4 SEC 18)	--	--
BHL-6	BOTTOM HOLE LOCATION	548804	2040391	34° 50' 28.02" -97° 45' 37.49"	34.841117 -97.760413	30' FNL / 1254' FEL (NE/4 SEC 7)	--	--
X-1	SILVER STRATTON #1-6-31XH	548156	2040225	34° 50' 21.62" -97° 45' 39.50"	34.839338 -97.760973	07-04N-05W: TD: 25,304' 677' FNL / 1,420' FEL	--	--
X-2	SINGER #1-18-7XH	538566	2036943	34° 48' 46.84" -97° 46' 19.13"	34.813011 -97.771982	18-04N-05W: TD: 23,603' 300' FSL / 480' FWL	--	--
X-3	SINGER #2-18-7XH	538669	2040888	34° 48' 47.77" -97° 45' 31.81"	34.813268 -97.758837	18-04N-05W: TD: 25,220' 410' FSL / 775' FEL	--	--

NAD-27							EXISTING ELEVATION	DESIGN ELEVATION
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE			
W5	SINGER 5-18-7XHW	538788	2071628	34° 48' 49.11" -97° 45' 40.95"	34.813641 -97.761374	568' FSL / 1630' FEL (SE/4 SEC 18)	1094.11'	1101.04'
LP-5	LANDING POINT	538788	2071080	34° 48' 49.13" -97° 45' 47.51"	34.813646 -97.763199	568' FSL / 2178' FEL (SE/4 SEC 18)	--	--
BHL-5	BOTTOM HOLE LOCATION	548759	2071063	34° 50' 27.75" -97° 45' 47.44"	34.841043 -97.763178	30' FNL / 2178' FEL (NE/4 SEC 7)	--	--
W6	SINGER 6-18-7XHW	538788	2071658	34° 48' 49.11" -97° 45' 40.59"	34.813640 -97.761274	568' FSL / 1600' FEL (SE/4 SEC 18)	1095.76'	1101.04'
LP-6	LANDING POINT	538786	2072004	34° 48' 49.09" -97° 45' 36.43"	34.813635 -97.760120	568' FSL / 1254' FEL (SE/4 SEC 18)	--	--
BHL-6	BOTTOM HOLE LOCATION	548762	2071987	34° 50' 27.76" -97° 45' 36.36"	34.841045 -97.760099	30' FNL / 1254' FEL (NE/4 SEC 7)	--	--
X-1	SILVER STRATTON #1-6-31XH	548114	2071821	34° 50' 21.36" -97° 45' 38.37"	34.839267 -97.760658	07-04N-05W: TD: 25,304' 677' FNL / 1,420' FEL	--	--
X-2	SINGER #1-18-7XH	538525	2068539	34° 48' 46.58" -97° 46' 18.00"	34.812938 -97.771668	18-04N-05W: TD: 23,603' 300' FSL / 480' FWL	--	--
X-3	SINGER #2-18-7XH	538628	2072484	34° 48' 47.50" -97° 45' 30.68"	34.813196 -97.758523	18-04N-05W: TD: 25,220' 410' FSL / 775' FEL	--	--

Certificate of Authorization No. 7318

Date Staked: 2-20-19
Date Drawn: 2-19-19



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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	2-19-19	HOG	ISSUED FOR APPROVAL	--

EXHIBIT: A (3 of 3)
SHEET: 8.5x14
SHL: 18-4N-5W
BHL-6 7-4N-5W

PETRO LAND SERVICES SOUTH, LLC

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



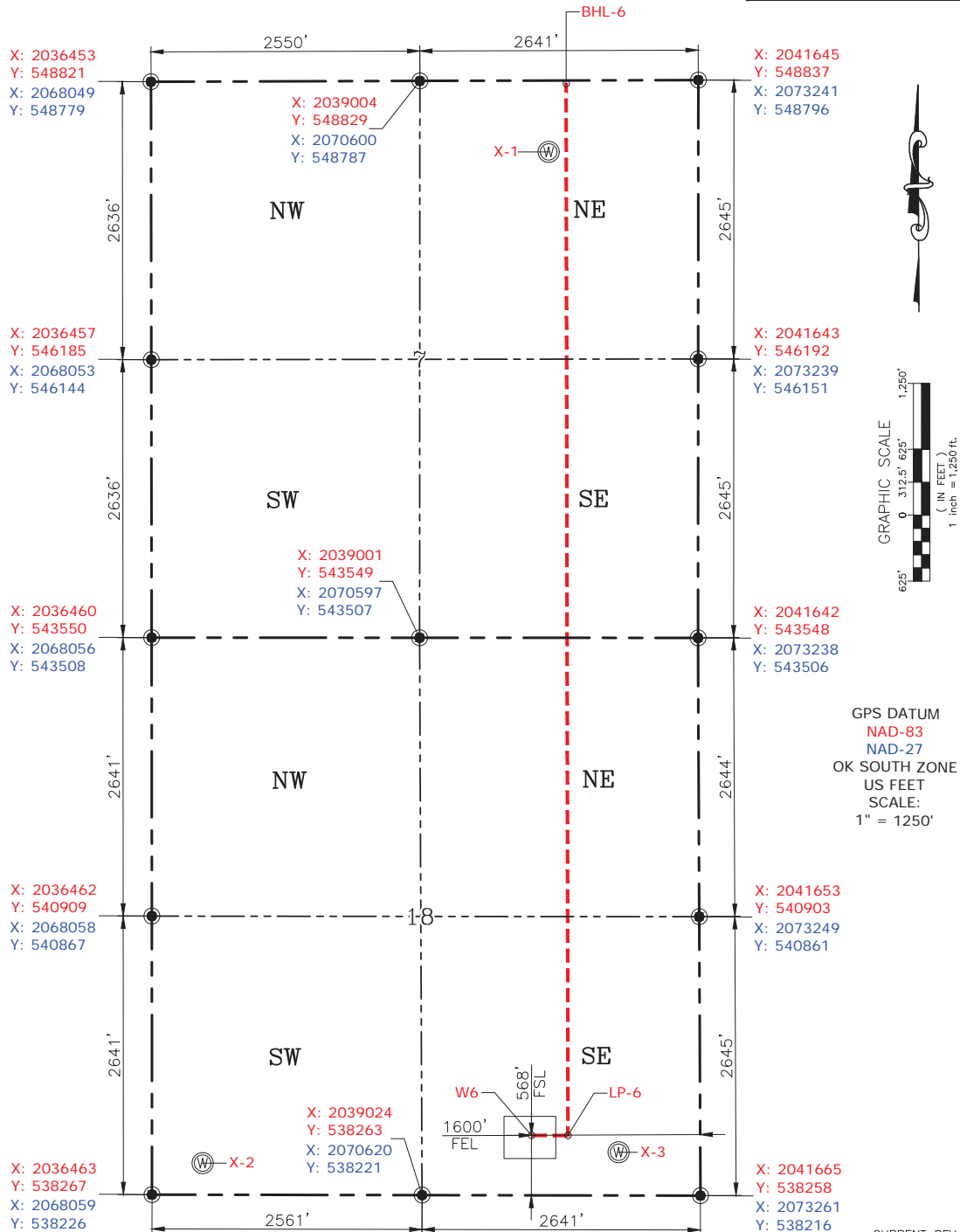
CONTINENTAL
RESOURCES, INC.
(OPERATOR)

GRADY

County Oklahoma

568' FSL-1600' FEL Section 18 Township 4N Range 5W I.M.

WELL: SINGER 6-18-7XHW



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



Randall J. Bilyeu

Oklahoma PLS No.1196 DATE