

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

API NUMBER: 137 27534

Approval Date: 05/17/2018

Expiration Date: 11/17/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 1N Rge: 5W

County: STEPHENS

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 1108 660

Lease Name: WILKINS

Well No: M1-29-32XH

Well will be 660 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

GARY H. SHORES
2 CHATEAU COURT
WICHITA FALLS TX 76302

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

	Name	Depth	Name	Depth
1	SYCAMORE	15423	6	
2	WOODFORD	15645	7	
3			8	
4			9	
5			10	

Spacing Orders: 673444
671331
618690
677792

Location Exception Orders: 676793

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 24367

Ground Elevation: 1182

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 840

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: 18-34195

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 32 Twp 1N Rge 5W County STEPHENS

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 30

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 14673

Radius of Turn: 477

Direction: 180

Total Length: 8945

Measured Total Depth: 24367

True Vertical Depth: 15645

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

Notes:

Category

Description

DEEP SURFACE CASING

3/23/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

3/23/2018 - 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

LOCATION EXCEPTION - 676793

5/7/2018 - G75 - (I.O.) 29 & 32-1N-5W
X618690 SCMR, WDFD, OTHER 29-1N-5W
X671331 SCMR, WDFD, OTHER 32-1N-5W
SHL (29-1N-5W) NE4 **
COMPL. INT. (29-1N-5W) NCT 150' FNL, NCT 0' FSL, NCT 330' FEL
COMPL. INT. (32-1N-5W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL
CONTINENTAL RESOURCES, INC.
4-25-2018

** ITD HAS SHL AS 1108' FSL, 660' FEL 20-1N-5W; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR

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.

137 27534 WILKINS M1-29-32XH

Category	Description
MEMO	3/23/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 618690	3/26/2018 - G75 - (640) 29-1N-5W VAC 101236/339188 SCMR, OTHERS EXT OTHER EST OTHERS EXT 607590 SCMR, WDFD, OTHERS
SPACING - 671331	3/26/2018 - G75 - (640) 32-1N-5W VAC 101236/322000 SCMR EXT 618690 SCMR, WDFD, OTHER
SPACING - 673444	5/17/2018 - G75 - (I.O.) 29 & 32-1N-5W EST MULTIUNIT HORIZONTAL WELL X618690 SCMR, WDFD, OTHER 29-1N-5W X671331 SCMR, WDFD, OTHER 32-1N-5W (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO SCMR) 50% 29-1N-5W 50% 32-1N-5W CONTINENTAL RESOURCES, INC. 1-29-2018
SPACING - 677792	5/17/2018 - G75 - NPT 673444 CHANGING TARGET FORMATION FROM WOODFORD TO SYCAMORE
WATERSHED STRUCTURE	3/23/2018 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (580) 255-5798 PRIOR TO DRILLING

EXHIBIT: A (1 of 3)SHEET: 8.5x14SHL: 20-01N-05WBHL: 32-01N-05W

API 137-27534

COVER SHEET

CONTINENTAL RESOURCES, INC.

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

Section 20 Township 01N Range 05W I.M. Well: WILKINS M1-29-32XHCounty STEPHENS State OK Well: _____Operator CONTINENTAL RESOURCES, INC. Well: _____

NAD-83

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE	DESIGN ELEVATION
W1	WILKINS M1-29-32XH	438936	2046512	1182.15	N34°32'21.08" W97°44'27.44"	N34.539189° W97.740954°	1,108' FSL / 660' FEL (SE/4 SEC 20)
L.P.	LANDING POINT	437778	2046512	--	N34°32'09.62" W97°44'27.48"	N34.536006° W97.740965°	50' FNL / 660' FEL (SE/4 SEC 29)
B.H.L.	BOTTOM HOLE LOCATION	427299	2046519	--	N34°30'25.97" W97°44'27.70"	N34.507214° W97.741029°	30' FSL / 660' FEL (SE/4 SEC 32)
X1	HUNDLEY 1-20H	442898	2042582	--	N36°12'59.14" W97°44'55.91"	N36.216429° W97.748863°	20-1N-5W-NW4NE4NW4 TD: 25,195' 200' FNL / 700' FWL
X2	KETCHUM 1	435845	2045200	--	N36°11'49.32" W97°44'24.19"	N36.197034° W97.740052°	29-1N-5W-SW4NE4 TD: 7,400' 1,980' FNL / 1,980' FEL
X3	WILKINS 1-29H	437486	2042081	--	N36°12'05.63" W97°45'02.18"	N36.201564° W97.750606°	29-1N-5W-SW4NW4NW4 TD: 22,341' 332' FNL / 197' FWL
X4	CHARLESTON 1	430231	2042887	--	N36°12'05.63" W97°45'02.18"	N36.201564° W97.750606°	32-1N-5W-SE4SW4NW4 TD: 1,745' 330' FSL / 990' FWL
X5	DENNIS 3	430739	2042097	--	N36°10'58.91" W97°45'02.20"	N36.183031° W97.750611°	32-1N-5W-NW4SW4NW4 TD: 1,196' 840' FSL / 200' FWL
X6	BURTON 5	431769	2042227	--	N36°11'09.10" W97°45'00.59"	N36.185860° W97.750164°	32-1N-5W-SW4NW4NW4 TD: 2,212' 1,870' FSL / 330' FWL
X7	KENWOOD 1	430891	2042857	--	N36°11'00.39" W97°44'52.93"	N36.183442° W97.748035°	32-1N-5W-NE4SW4NW4 TD: 3,043' 990' FSL / 960' FWL
X8	KENWOOD 2	430891	2042824	--	N36°11'00.39" W97°44'53.33"	N36.183442° W97.748147°	32-1N-5W-NE4SW4NW4 TD: 1,976' 990' FSL / 927' FWL
X9	KENWOOD 3	430891	2042840	--	N36°11'00.39" W97°44'53.13"	N36.183442° W97.748093°	32-1N-5W-NE4SW4NW4 TD: 1,764' 990' FSL / 943' FWL
X10	CHARLESTON 3	430064	2042558	--	N36°10'52.22" W97°44'56.61"	N36.181173° W97.749057°	32-1N-5W-S2S2SW4NW4 TD: 1,841' 164' FSL / 660' FWL
X11	CHARLESTON 4	430395	2042557	--	N36°10'55.50" W97°44'56.60"	N36.182083° W97.749055°	32-1N-5W-N2S2SW4NW4 TD: 2,710' 495' FSL / 660' FWL
X12	CHARLESTON 5	430396	2043052	--	N36°10'55.50" W97°44'50.56"	N36.182082° W97.747378°	32-1N-5W-SE4SW4NW4 TD: 2,967' 495' FSL / 1,155' FWL
X13	CHARLESTON 3	430872	2043647	--	N36°11'00.19" W97°44'43.29"	N36.183386° W97.745358°	32-1N-5W-NW4SE4SW4 TD: 2,555' 970' FSL / 1,750' FWL

NAD-27

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE	DESIGN ELEVATION
W1	WILKINS M1-29-32XH	438894	2078107	1182.15	N34°32'20.79" W97°44'26.32"	N34.539108° W97.740644°	1,108' FSL / 660' FEL (SE/4 SEC 20)
L.P.	LANDING POINT	437736	2078107	--	N34°32'09.34" W97°44'26.35"	N34.535927° W97.740654°	50' FNL / 660' FEL (SE/4 SEC 29)
B.H.L.	BOTTOM HOLE LOCATION	427257	2078114	--	N34°30'25.67" W97°44'26.59"	N34.507132° W97.740719°	30' FSL / 660' FEL (SE/4 SEC 32)
X1	HUNDLEY 1-20H	442874	2074181	--	N36°12'59.01" W97°44'54.72"	N36.216392° W97.748533°	20-1N-5W-NW4NE4NW4 TD: 25,195' 200' FNL / 700' FWL
X2	KETCHUM 1	435820	2076799	--	N36°11'49.19" W97°44'23.00"	N36.196997° W97.739722°	29-1N-5W-SW4NE4 TD: 7,400' 1,980' FNL / 1,980' FEL
X3	WILKINS 1-29H	437461	2073681	--	N36°12'05.50" W97°45'00.99"	N36.201527° W97.750275°	29-1N-5W-SW4NW4NW4 TD: 22,341' 332' FNL / 197' FWL
X4	CHARLESTON 1	430206	2074487	--	N36°10'53.73" W97°44'51.39"	N36.181592° W97.747607°	32-1N-5W-SE4SW4NW4 TD: 1,745' 330' FSL / 990' FWL
X5	DENNIS 3	430715	2073697	--	N36°10'58.78" W97°45'01.01"	N36.182994° W97.750281°	32-1N-5W-NW4SW4NW4 TD: 1,196' 840' FSL / 200' FWL
X6	BURTON 5	431745	2073826	--	N36°11'08.96" W97°44'59.40"	N36.185823° W97.749833°	32-1N-5W-SW4NW4NW4 TD: 2,212' 1,870' FSL / 330' FWL
X7	KENWOOD 1	430866	2074456	--	N36°11'00.26" W97°44'51.74"	N36.183405° W97.747704°	32-1N-5W-NE4SW4NW4 TD: 3,043' 990' FSL / 960' FWL
X8	KENWOOD 2	430866	2074423	--	N36°11'00.26" W97°44'52.14"	N36.183405° W97.747816°	32-1N-5W-NE4SW4NW4 TD: 1,976' 990' FSL / 927' FWL
X9	KENWOOD 3	430866	2074439	--	N36°11'00.26" W97°44'51.94"	N36.183405° W97.747762°	32-1N-5W-NE4SW4NW4 TD: 1,764' 990' FSL / 943' FWL
X10	CHARLESTON 3	430040	2074157	--	N36°10'52.09" W97°44'55.42"	N36.181136° W97.748727°	32-1N-5W-S2S2SW4NW4 TD: 1,841' 164' FSL / 660' FWL
X11	CHARLESTON 4	430371	2074157	--	N36°10'55.36" W97°44'55.41"	N36.182045° W97.748724°	32-1N-5W-N2S2SW4NW4 TD: 2,710' 495' FSL / 660' FWL
X12	CHARLESTON 5	430372	2074652	--	N36°10'55.36" W97°44'49.37"	N36.182045° W97.747047°	32-1N-5W-SE4SW4NW4 TD: 2,967' 495' FSL / 1,155' FWL
X13	CHARLESTON 3	430848	2075247	--	N36°11'00.06" W97°44'42.10"	N36.183349° W97.745028°	32-1N-5W-NW4SE4SW4 TD: 2,555' 970' FSL / 1,750' FWL

Certificate of Authorization No. 7318

Date Staked: 12-06-17

Date Drawn: 12-06-17

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

REVISIONS

No.	DATE	BY	DESCRIPTION	COMMENTS
00	12-05-17	MJL	ISSUED FOR APPROVAL	--
01	01-17-18	MJL	REV. DATUM CALL-OUT	EXHIBIT A (3 OF 3), B, F, G, H, & I
02	03-26-18	TJW	REV. LP LOCATION	EXHIBIT A (3 OF 3), B, F, G, H, & I

EXHIBIT: A (2 of 3)SHEET: 8.5x14SHL: 20-01N-05WBHL: 32-01N-05W

EXISTING WELLS CONTINUED...

NAD-83

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE		DESIGN ELEVATION
X14	BURTON 1	430889	2042227	--	N36°11'00.39" W97°45'00.61"	N36.183443 W97.750170	32-1N-5W:SW4SW4SW4 TD: 3,114' 990' FSL / 330' FWL	--
X15	BURTON 2	431329	2042227	--	N36°11'04.75" W97°45'00.60"	N36.184651 W97.750167	32-1N-5W:S2SW4NW4NW4 TD: 3,108' 1,430' FSL / 330' FWL	--
X16	BURTON 4	432209	2042206	--	N36°11'13.45" W97°45'00.82"	N36.187069 W97.750229	32-1N-5W:SW4NW4NW4 TD: 1,885' 2,310' FSL / 310' FWL	--
X17	BURTON 6	431799	2042227	--	N36°11'09.39" W97°45'00.59"	N36.185942 W97.750164	32-1N-5W:SW4NW4NW4 TD: 1,885' 1,900' FSL / 330' FWL	--
X18	CHARLESTON 4	430232	2043547	--	N36°10'53.86" W97°44'44.53"	N36.181628 W97.745702	32-1N-5W:SW4SE4NW4 TD: 2,975' 330' FSL / 1,650' FWL	--
X19	CHARLESTON 1	428911	2042884	--	N36°10'40.82" W97°44'52.66"	N36.178004 W97.747960	32-1N-5W:SE4NW4SW4 TD: 1,671' 1,650' FSL / 990' FWL	--
X20	CHARLESTON 2	428253	2043542	--	N36°10'34.29" W97°44'44.66"	N36.176191 W97.745738	32-1N-5W:SW4SE4SW4 TD: 2,920' 990' FSL / 1,650' FWL	--
X21	CHARLESTON 2	430229	2042227	--	N36°10'53.87" W97°45'00.63"	N36.181630 W97.750174	32-1N-5W:SW4SW4NW4 TD: 1,790' 330' FSL / 330' FWL	--
X22	CONN 1	427590	2042220	--	N36°10'27.76" W97°45'00.80"	N36.174379 W97.750223	32-1N-5W:SW4SW4NW4 TD: 6,873' 330' FSL / 330' FWL	--
X23	CONN 2	428250	2042222	--	N36°10'34.29" W97°45'00.76"	N36.176192 W97.750210	32-1N-5W:SW4SW4SW4 TD: 5,452' 990' FSL / 330' FWL	--
X24	CONN 3	427591	2042880	--	N36°10'27.76" W97°44'52.75"	N36.174378 W97.747987	32-1N-5W:SE4SW4SW4 TD: 5,315' 330' FSL / 990' FWL	--
X25	CONN 4	428910	2042224	--	N36°10'40.82" W97°45'00.71"	N36.178005 W97.750197	32-1N-5W:SW4NW4SW4 TD: 5,330' 1,650' FSL / 330' FWL	--
X26	BEAVERS UNIT-1	430235	2044875	--	N36°10'53.85" W97°44'28.33"	N36.181626 W97.741204	32-1N-5W:SW4SW4NE4 TD: 9,211' 330' FSL / 330' FWL	--
X27	PAT 1-32	428588	2045791	--	N36°10'37.54" W97°44'17.21"	N36.177094 W97.738114	32-1N-5W:W2SE4 TD: 10,157' 1,320' FSL / 1,250' FWL	--
X28	BEAVERS 1	428257	2045531	--	N36°10'34.28" W97°44'20.40"	N36.176188 W97.739000	32-1N-5W:NE4SW4SE4 TD: 2,871' 990' FSL / 990' FWL	--

NAD-27

POINT	NAME	NORTHING	EASTING	ELEVATION	LATITUDE LONGITUDE	LATITUDE LONGITUDE		DESIGN ELEVATION
X14	BURTON 1	430865	2073826	--	N36°11'00.26" W97°44'59.42"	N36.183405 W97.749839	32-1N-5W:SW4SW4SW4 TD: 3,114' 990' FSL / 330' FWL	--
X15	BURTON 2	431305	2073826	--	N36°11'04.61" W97°44'59.41"	N36.184614 W97.749836	32-1N-5W:S2SW4NW4NW4 TD: 3,108' 1,430' FSL / 330' FWL	--
X16	BURTON 4	432185	2073806	--	N36°11'13.31" W97°44'59.63"	N36.187032 W97.749898	32-1N-5W:SW4NW4NW4 TD: 1,885' 2,310' FSL / 310' FWL	--
X17	BURTON 6	431775	2073826	--	N36°11'09.26" W97°44'59.40"	N36.185905 W97.749833	32-1N-5W:SW4NW4NW4 TD: 1,885' 1,900' FSL / 330' FWL	--
X18	CHARLESTON 4	430208	2075147	--	N36°10'53.73" W97°44'43.34"	N36.181591 W97.745371	32-1N-5W:SW4SE4NW4 TD: 2,975' 330' FSL / 1,650' FWL	--
X19	CHARLESTON 1	428887	2074484	--	N36°10'40.68" W97°44'51.47"	N36.177967 W97.747630	32-1N-5W:SE4NW4SW4 TD: 1,671' 1,650' FSL / 990' FWL	--
X20	CHARLESTON 2	428228	2075141	--	N36°10'34.15" W97°44'43.46"	N36.176154 W97.745407	32-1N-5W:SW4SE4SW4 TD: 2,920' 990' FSL / 1,650' FWL	--
X21	CHARLESTON 2	430205	2073827	--	N36°10'53.73" W97°44'59.44"	N36.181592 W97.749844	32-1N-5W:SW4SW4NW4 TD: 1,790' 330' FSL / 330' FWL	--
X22	CONN 1	427565	2073819	--	N36°10'27.63" W97°44'59.61"	N36.174341 W97.749893	32-1N-5W:SW4SW4NW4 TD: 6,873' 330' FSL / 330' FWL	--
X23	CONN 2	428225	2073821	--	N36°10'34.16" W97°44'59.57"	N36.176154 W97.749879	32-1N-5W:SW4SW4SW4 TD: 5,452' 990' FSL / 330' FWL	--
X24	CONN 3	427567	2074479	--	N36°10'27.63" W97°44'51.56"	N36.174341 W97.747657	32-1N-5W:SE4SW4SW4 TD: 5,315' 330' FSL / 990' FWL	--
X25	CONN 4	428885	2073824	--	N36°10'40.68" W97°44'59.52"	N36.177967 W97.749866	32-1N-5W:SW4NW4SW4 TD: 5,330' 1,650' FSL / 330' FWL	--
X26	BEAVERS UNIT-1	430211	2076474	--	N36°10'53.72" W97°44'27.14"	N36.181589 W97.740873	32-1N-5W:SW4SW4NE4 TD: 9,211' 330' FSL / 330' FWL	--
X27	PAT 1-32	428563	2077391	--	N36°10'37.40" W97°44'16.02"	N36.177057 W97.737783	32-1N-5W:W2SE4 TD: 10,157' 1,320' FSL / 1,250' FWL	--
X28	BEAVERS 1	428233	2077130	--	N36°10'34.14" W97°44'19.21"	N36.176151 W97.738670	32-1N-5W:NE4SW4SE4 TD: 2,871' 990' FSL / 990' FWL	--

Certificate of Authorization No. 7318

Date Staked: 12-06-17

Date Drawn: 12-06-17



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

