

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

API NUMBER: 049 25167

Approval Date: 11/30/2017

Expiration Date: 05/30/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 1N Rge: 1W

County: GARVIN

SPOT LOCATION: ☐ NE ☐ NE ☐ SE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 1400 2480

Lease Name: WILEY

Well No: 1-27-28XH

Well will be 1400 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

JOHN R. & INGRID M. MEINDERS
2201 SW MAIN
WOODWARD OK 73801

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN UNDERTHRUST	12480	6 HUNTON	13190
2 SYCAMORE	12530	7	
3 WOODFORD UNDERTHRUST	12900	8	
4 WOODFORD	12950	9	
5 HUNTON UNDERTHRUST	13140	10	

Spacing Orders: 169883
632338
172043

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201706363
201706364

Special Orders:

Total Depth: 20642

Ground Elevation: 859

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 200

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: OSCAR

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

PERMIT NO: 17-33107

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: OSCAR

HORIZONTAL HOLE 1

Sec 28 Twp 1N Rge 1W County GARVIN

Spot Location of End Point: SW SW NW NW

Feet From: NORTH 1/4 Section Line: 1254

Feet From: WEST 1/4 Section Line: 50

Depth of Deviation: 12518

Radius of Turn: 382

Direction: 283

Total Length: 7524

Measured Total Depth: 20642

True Vertical Depth: 13190

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

Notes:

Category

Description

DEEP SURFACE CASING

11/20/2017 - 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

11/20/2017 - 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

MEMO

11/20/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WILDHORSE CREEK), 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.

049 25167 WILEY 1-27-28XH

Category	Description
PENDING CD - 201706363	11/28/2017 - G57 - (I.O.) 27 & 28-1N-1W EST MULTIUNIT HORIZONTAL WELL X169883/172043 SCMR, WDFD, HNTN 27-1N-1W X632338 MPUTD, WDUTD, HTUTD 28-1N-1W (SCMR, MPUTD, HNTN, HTUTD ADJACENT COMMON SOURCES OF SUPPLY TO WDUTD, WDFD) 33.33% 27-1N-1W 67.67% 28-1N-1W CONTINENTAL RESOURCES, INC. REC 10/10/2017 (JACKSON)
PENDING CD - 201706364	11/29/2017 - G57 - (I.O.) 27 & 28-1N-1W X169883/172043 SCMR, WDFD, HNTN 27-1N-1W X632338 MPUTD, WDUTD, HTUTD 28-1N-1W SHL NW4 27-1N-1W COMPL. INT. (27-1N-1W) NCT 900' FNL, NCT 1320' FEL, NCT 0' FWL COMPL. INT (28-1N-1W) NCT 900' FNL, NCT 0' FEL, NCT 165' FWL CONTINENTAL RESOURCES, INC. REC 10/10/2017 (JACKSON)
SPACING - 169883	11/28/2017 - G57 - (640) 27-1N-1W EXT 161935 SCMR, WDFD, HNTN, OTHERS
SPACING - 172043	11/28/2017 - G57 - NPT 169883 TO STATE DRILLING AND SPACING UNITS ARE 640-ACRE
SPACING - 632338	11/28/2017 - G57 - (640) 28-1N-1W VAC 161935 SCMR, WDFD, HNTN, OTHERS EXT 618393 MPUTD, WDUTD, HTUTD, OTHERS



Well Location Plat

Operator : CONTINENTAL RESOURCES, INC.

API: 049 25167

EXHIBIT "A"
S.H.L. Sec. 27-1N-1W I.M.
B.H.L. Sec. 28-1N-1W I.M.
GARVIN COUNTY
(SHEET 1 OF 2)

GPS DATUM
OK SOUTH ZONE

NAD 83

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	438322	2174064	0.0			REF. CALC. NWc 28-1N-1W	
21	438361	2179336	0.0			1/2" IR NWc 27-1N-1W	
22	438410	2184613	0.0			3/8" IR NEc 27-1N-1W	
23	433119	2184661	0.0			PK NAIL SEc 27-1N-1W	
24	433090	2182025	0.0			PK NAIL S/4 27-1N-1W	
25	433077	2179383	0.0			COTTON SPINDLE SWc 27-1N-1W	
26	433042	2174091	0.0			IR SIGNAL w/ REFs. SWc 28-1N-1W	
27	435719	2179359	0.0			IR w/ ALUM. CAP W/4 27-1N-1W	
50	435063	2180025	0.0	LAT:34°31'36.49"N LON:97°17'51.75"W	LAT:34.52680170 LON:-97.29770944	PA - OTC/OCC N/A "W C BOLLING A #1" OCC STATUS: PA, TVD: 15848'	
51	437392	2181654	0.0	LAT:34°31'59.41"N LON:97°17'32.10"W	LAT:34.53316975 LON:-97.29224967	PA - OTC/OCC N/A "BOLLING #1" OCC STATUS: PA, TVD: 3020'	
52	437399	2183814	0.0	LAT:34°31'59.33"N LON:97°17'06.28"W	LAT:34.53314679 LON:-97.28507762	PA - RAMSEY PROP. MGMT. "MEINDERS 1-27" OCC STATUS: PA, TVD: 17023'	
100	436984	2181828	858.7	LAT:34°31'55.36"N LON:97°17'30.05"W	LAT:34.53204419 LON:-97.29167970	A. WILEY #1-27-28XH 1400' FNL - 2480' FWL	857.7
200	437126	2181347	0.0	LAT:34°31'56.79"N LON:97°17'35.79"W	LAT:34.53244244 LON:-97.29327443	A. HEEL SLOT 1254' FNL - 2000' FWL	
300	437068	2174121	0.0	LAT:34°31'56.71"N LON:97°19'02.17"W	LAT:34.53242083 LON:-97.31726879	A. BOTTOM HOLE LOCATION 1254' FNL - 50' FWL	

GPS DATUM
OK SOUTH ZONE

NAD 27

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	438279	2205660	0.0			REF. CALC. NWc 28-1N-1W	
21	438318	2210931	0.0			1/2" IR NWc 27-1N-1W	
22	438367	2216208	0.0			3/8" IR NEc 27-1N-1W	
23	433076	2216256	0.0			PK NAIL SEc 27-1N-1W	
24	433047	2213620	0.0			PK NAIL S/4 27-1N-1W	
25	433034	2210978	0.0			COTTON SPINDLE SWc 27-1N-1W	
26	432999	2205686	0.0			IR SIGNAL w/ REFs. SWc 28-1N-1W	
27	435676	2210955	0.0			IR w/ ALUM. CAP W/4 27-1N-1W	
50	435021	2211621	0.0	LAT:34°31'36.18"N LON:97°17'50.67"W	LAT:34.52671690 LON:-97.29740944	PA - OTC/OCC N/A "W C BOLLING A #1" OCC STATUS: PA, TVD: 15848'	
51	437349	2213249	0.0	LAT:34°31'59.11"N LON:97°17'31.02"W	LAT:34.53308505 LON:-97.29194972	PA - OTC/OCC N/A "BOLLING #1" OCC STATUS: PA, TVD: 3020'	
52	437356	2215409	0.0	LAT:34°31'59.02"N LON:97°17'05.20"W	LAT:34.53306204 LON:-97.28477780	PA - RAMSEY PROP. MGMT. "MEINDERS 1-27" OCC STATUS: PA, TVD: 17023'	
100	436941	2213424	858.7	LAT:34°31'55.05"N LON:97°17'28.97"W	LAT:34.53195946 LON:-97.29137977	A. WILEY #1-27-28XH 1400' FNL - 2480' FWL	857.7
200	437083	2212942	0.0	LAT:34°31'56.49"N LON:97°17'34.71"W	LAT:34.53235773 LON:-97.29297447	A. HEEL SLOT 1254' FNL - 2000' FWL	
300	437025	2205716	0.0	LAT:34°31'56.41"N LON:97°19'01.09"W	LAT:34.53233631 LON:-97.31696838	A. BOTTOM HOLE LOCATION 1254' FNL - 50' FWL	

survey and plat by,

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2018

Invoice #7147

Date Staked : 05/22/17

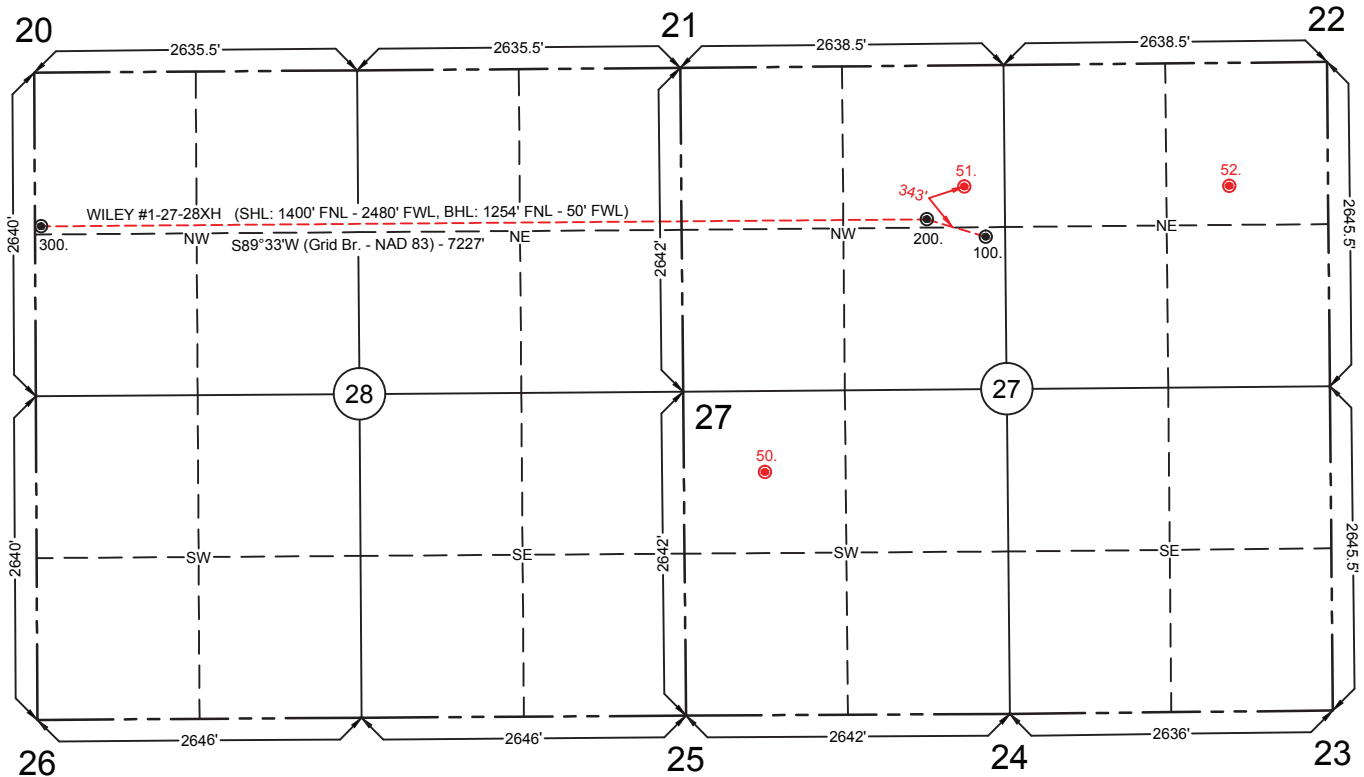
By : J.L.

Date Drawn : 06/07/17

By : K.M.



EXHIBIT "A"
S.H.L. Sec. 27-1N-1W I.M.
B.H.L. Sec. 28-1N-1W I.M.
GARVIN COUNTY
(SHEET 2 OF 2)



A compass rose with a central circle containing the letter 'N'. The cardinal directions are labeled: 'N' at the top, 'S' at the bottom, 'E' on the right, and 'W' on the left. The intercardinal directions are labeled: 'NE' (top-right), 'SE' (bottom-right), 'SW' (bottom-left), and 'NW' (top-left). Below the compass rose is a graphic scale bar with alternating black and white segments. The bar is marked with '0'', '750'', '1500'', and '2250''. Below the bar, the text '1" = 1500'' is written.

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P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2018

James B. Mathis

OK LPLS 1664

