

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

API NUMBER: 137 27465 B

Approval Date: 11/21/2016
Expiration Date: 05/21/2017

Horizontal Hole Oil & Gas

PERMIT TO DEEPEN

WELL LOCATION: Sec: 18 Twp: 2N Rge: 4W County: STEPHENS
SPOT LOCATION: NW SE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 701 484

Lease Name: SYMPSON Well No: 8-7-6XH Well will be 484 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

DETRA ANN BRANCH, TRUSTEE
P.O. BOX 729
LINDSAY OK 73052

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

	Name	Depth	Name	Depth
1	SYCAMORE	15467	6	
2	WOODFORD	15652	7	
3	HUNTON	16038	8	
4			9	
5			10	

Spacing Orders: 602911 Location Exception Orders: 648001 Increased Density Orders: 646691
599570 658102 647328
648346

Pending CD Numbers:

Special Orders:

Total Depth: 26880 Ground Elevation: 1192 **Surface Casing: 1503 IP** Depth to base of Treatable Water-Bearing FM: 230

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

PIT 1 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: WATER BASED
Chlorides Max: 3000 Average: 2500
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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER
Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31780
- 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: ON SITE
Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 250000
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: 3
Liner required for Category: 3
Pit Location is BED AQUIFER
Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 06 Twp 2N Rge 4W County STEPHENS
Spot Location of End Point: NE NE NW NE
Feet From: NORTH 1/4 Section Line: 30
Feet From: EAST 1/4 Section Line: 1359
Depth of Deviation: 15358
Radius of Turn: 570
Direction: 350
Total Length: 10627
Measured Total Depth: 26880
True Vertical Depth: 16038
End Point Location from Lease,
Unit, or Property Line: 30

Notes:

Table with 2 columns: Category and Description. Rows include HYDRAULIC FRACTURING, INCREASED DENSITY - 646691, INCREASED DENSITY - 647328, LOCATION EXCEPTION - 648001, and LOCATION EXCEPTION - 658102.

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Category	Description
MEMO	11/1/2016 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS TO DEQ APPROVED FACILITIES (PAULS VALLEY LANDFILL, GARVIN CO., # 3525009 OR SOUTHERN PLAINS LANDFILL, GRADY CO., # 3526013)
SPACING - 599570	11/1/2016 - G75 - (640) 7-2N-4W EXT OTHERS EXT 582855 SCMR, WDFD, HNTN, OTHERS
SPACING - 602911	11/1/2016 - G75 - (640) 6-2N-4W EST OTHERS EXT 599570 SCMR, WDFD, HNTN, OTHERS EXT OTHERS
SPACING - 648346	11/1/2016 - G75 - (I.O.) 6 & 7-2N-4W EST MULTIUNIT HORIZONTAL WELL X602911 SCMR, WDFD, HNTN 6-2N-4W X599570 SCMR, WDFD, HNTN 7-2N-4W (SCMR, HNTN ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 50% 6-2N-4W 50% 7-2N-4W CONTINENTAL RESOURCES, INC. 1-6-2016

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