

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

API NUMBER: 019 26076

Approval Date: 06/04/2014
Expiration Date: 12/04/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 3S Rge: 3W County: CARTER
SPOT LOCATION: SW SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 320 1770

Lease Name: MAULDIN Well No: 1-27-22XH Well will be 320 feet from nearest unit or lease boundary.
Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349000; 4052349 OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 269000
OKLAHOMA CITY, OK 73126-9000

STEPHEN RICHARD SHRADER
218 ALLEN DRIVE
ARDMORE OK 73401

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

	Name	Depth	Name	Depth
1	CANEY	11360	6	
2	SYCAMORE	11782	7	
3	WOODFORD	11938	8	
4	HUNTON	12327	9	
5			10	

Spacing Orders: 612260
613575

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201304087
201304086
201304088

Special Orders:

Total Depth: 19800 Ground Elevation: 908 **Surface Casing: 1600** Depth to base of Treatable Water-Bearing FM: 1480

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: 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: 1A

Liner required for Category: 1A

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27332
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: 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: 3
Liner required for Category: 3
Pit Location is ALLUVIAL
Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 22 Twp 3S Rge 3W County CARTER
Spot Location of End Point: S2 SE SW NE
Feet From: NORTH 1/4 Section Line: 2500
Feet From: EAST 1/4 Section Line: 1650
Depth of Deviation: 11700
Radius of Turn: 12
Direction: 360
Total Length: 7290
Measured Total Depth: 19800
True Vertical Depth: 12327
End Point Location from Lease,
Unit, or Property Line: 1650

Additional Surface Owner Address City, State, Zip
MICHAEL LEWIS SHRADER BY J. E. 16015 GORE GRASS CT. SPRING, TX 77379

Notes:

Category Description
MEMO 5/30/2014 - G71 - PITS 1 & 2 - 20-MIL PIT LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201304086 6/4/2014 - G72 - (MULTI) 27 & 22-03S-03W (I.O.) X 612260 & 613575 CNEY, MYES, SCMR, WDFD(SHALE RES), HNTN; SEC 27 64%/SEC 22 36% NO OPER NAMED; REC 6/4/2014 (STUCK)
PENDING CD - 201304087 6/4/2014 - G72 - 22-03S-03W (I.O.) X 612260 CNEY MYES, SCMR, WDFD, HNTN; COMPL INT. NCT 150 FSL NCT 0 FNL NCT 330 FEL 27-3S-3W; NCT 0 FSL NCT 150 FNL NCT 330 FEL 22-3S-3W; NO OPER NAMED; REC 6/4/2014 (STUCK)
PENDING CD - 201304088 6/4/2014 - G72 - 27-03S-03W (I.O.) X 613575 SCMR, WDFD, HNTN; COMPL INT. NCT 150 FSL NCT 0 FNL NCT 330 FEL 27-3S-3W; NCT 0 FSL NCT 150 FNL NCT 330 FEL 22-3S-3W; NO OPER NAMED; REC 6/4/2014 (STUCK)
SPACING - 612260 6/4/2014 - G72 - (640) 22-03S-03W EXT 608307 SPRG, CNEY, SCMR, WDFD, HNTN, OTHERS; EST OTHERS

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Category

Description

SPACING - 613575

6/4/2014 - G72 - (640) 27-03S-03W
VAC OTHERS;
VAC 269555 SPRG, , SCMR. HNTN, OTHERS;
EXT 608307 SPRG, CNEY, SCMR, WDFD, HNTN, OTHERS;

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