

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

API NUMBER: 049 25155 A

Approval Date: 09/13/2017  
Expiration Date: 03/13/2018

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION FOR SURFACE LOCATION &  
GROUND ELEVATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 4N Rge: 4W County: GARVIN  
SPOT LOCATION:  NW  SE  SE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 2260 635

Lease Name: WHITNEY Well No: 1-27-22MXH Well will be 635 feet from nearest unit or lease boundary.  
Operator Name: CASILLAS OPERATING LLC Telephone: 9185825310 OTC/OCC Number: 23838 0

CASILLAS OPERATING LLC  
401 S BOSTON AVE STE 2400  
TULSA, OK 74103-4060

MARY ANN CUNNINGHAM  
2520 NORTHERN HILLS ROAD  
NORMAN OK 73071

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

Name	Depth	Name	Depth
1 SYCAMORE	10579	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 671191

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201704859  
201704860

Special Orders:

Total Depth: 19371 Ground Elevation: 1054 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 270

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: 5000 Average: 3000

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)  
H. SEE MEMO

PERMIT NO: 17-32991

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 22 Twp 4N Rge 4W County GARVIN

Spot Location of End Point: W2 E2 NE NE

Feet From: NORTH 1/4 Section Line: 660

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 10309

Radius of Turn: 573

Direction: 3

Total Length: 8162

Measured Total Depth: 19371

True Vertical Depth: 10579

End Point Location from Lease,  
Unit, or Property Line: 380

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

9/6/2017 - 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

9/6/2017 - 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](http://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](http://FRACFOCUS.ORG)

#### MEMO

9/6/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

#### PENDING CD - 201704859

8/27/2018 - G75 - (I.O.) 27 & 22-4N-4W  
EST MULTIUNIT HORIZONTAL WELL  
X671191 SCMR  
40% 27-4N-4W  
60% 22-4N-4W  
NO OP. NAMED  
REC 9-5-2017 (MCKEOWN)

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

049 25155 WHITNEY 1-27-22MXH

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 - 201704860	8/27/2018 - G75 - (I.O.) 27 & 22-4N-4W X671191 SCMR X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO JOWANDA 1-22H COMPL. INT. (27-4N-4W) NCT 1320' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (22-4N-4W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC 12-15-2017 (JOHNSON)
SPACING - 671191	8/27/2018 - G75 - (640)(HOR) 27 & 22-4N-4W EXT OTHERS EST OTHERS EXT 658674 SCMR POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 333548 SCMR SE4, ORDER # 375300 SCMR NE4, ORDER # 340757 SCMR NW4 & ORDER # 346249 SCMR SW4 22-4N-4W; ORDER # 333548 SCMR NE4, ORDER # 367481 SCMR SW4, ORDER # 373533 SCMR SE4 & ORDER # 361360 SCMR NW4 27-4N-4W)