

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

API NUMBER: 121 24749

Approval Date: 04/16/2015
Expiration Date: 10/16/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 7N Rge: 17E County: PITTSBURG
SPOT LOCATION: SE SE SW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 310 1315

Lease Name: TONYA Well No: 2-20H Well will be 310 feet from nearest unit or lease boundary.

Operator Name: PETROQUEST ENERGY LLC Telephone: 3372327028; 9185615 OTC/OCC Number: 21466 0

PETROQUEST ENERGY LLC
400 E KALISTE SALOOM RD STE 6000
LAFAYETTE, LA 70508-8523

JIMMY & EARLENE DAVENPORT
16007 E ST HWY 31
QUINTON OK 74561

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

Name	Depth	Name	Depth
1 WOODFORD	8100	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 584581 Location Exception Orders: 638577 Increased Density Orders: 637615

Pending CD Numbers:

Special Orders:

Total Depth: 13853 Ground Elevation: 677 Surface Casing: 500 Depth to base of Treatable Water-Bearing FM: 160

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

PIT 1 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: AIR

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: BOGGY

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
- B. Solidification of pit contents.

E. Haul to Commercial pit facility: Sec. 19 Twn. 8N Rng. 5E Cnty. 125 Order No: 274874

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: WATER BASED

Chlorides Max: 8000 Average: 5000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BOGGY

PIT 3 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BOGGY

HORIZONTAL HOLE 1

Sec 20 Twp 7N Rge 17E County PITTSBURG

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 2590

Depth of Deviation: 7603

Radius of Turn: 497

Direction: 160

Total Length: 5469

Measured Total Depth: 13853

True Vertical Depth: 8100

End Point Location from Lease,
Unit, or Property Line: 1

Notes:

Category	Description
DEEP SURFACE CASING	4/16/2015 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
INCREASED DENSITY - 637615	4/16/2015 - G76 - 20-7N-17E X584581 WDFD 2 WELLS PETROQUEST ENERGY, L.L.C. 3/10/2015

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Category	Description
LOCATION EXCEPTION - 638577	4/16/2015 - G76 - (I.O.) 20-7N-17E X584581 WDFD, OTHERS SHL NCT 225 FSL, NCT 1400 FEL 17-7N-17E 1ST PERF NCT 165 FNL, NCT 2000 FEL LAST PERF NCT 165 FSL, NCT 2000 FEL PETROQUEST ENERGY, L.L.C. 4/3/2015
MEMO	4/16/2015 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 584581	4/16/2015 - G76 - (640) 20-7N-17E VAC OTHER EXT 576651 WDFD, OTHERS EXT OTHER

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