

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

API NUMBER: 083 24349

Approval Date: 11/07/2014

Expiration Date: 05/07/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 18N Rge: 2W

County: LOGAN

SPOT LOCATION: ☐ NE ☐ SE ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 644 315

Lease Name: ACTON RANCH 33_4-18N-2W

Well No: 2WHX

Well will be 315 feet from nearest unit or lease boundary.

Operator Name: DEVON ENERGY PRODUCTION CO LP

Telephone: 4052353611

OTC/OCC Number: 20751 0

DEVON ENERGY PRODUCTION CO LP
333 W SHERIDAN AVE DEC 34.428
OKLAHOMA CITY, OK 73102-5010

ACTON RANCH, L.P., MAX A. ACTON
P.O. BOX 477
CRESCENT OK 73028

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5420	6	
2	WOODFORD	5702	7	
3	MISENER-HUNTON	5771	8	
4			9	
5			10	

Spacing Orders: 619045
622418

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407779
201407780
201407781
201407782
201407783

Special Orders:

Total Depth: 14235

Ground Elevation: 995

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 120

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: 50000 Average: 8000

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: GARBER

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

PERMIT NO: 14-28596

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: 325000 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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

HORIZONTAL HOLE 1

Sec 04 Twp 17N Rge 2W County LOGAN

Spot Location of End Point: NW NE NW SW

Feet From: NORTH 1/4 Section Line: 10

Feet From: WEST 1/4 Section Line: 860

Depth of Deviation: 5379

Radius of Turn: 358

Direction: 172

Total Length: 8293

Measured Total Depth: 14235

True Vertical Depth: 5771

End Point Location from Lease,
Unit, or Property Line: 860

Notes:

Category

Description

DEEP SURFACE CASING

10/28/2014 - G76 - 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

MEMO

10/28/2014 - G76 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201407780

11/5/2014 - G72 - 04-17N-02W (E.O.)
X 622418 MSSP, WDFD, MSRH, OTHER,
POE NCT 0 FNL NCT 330 FWL 33-18N-2W,
COMP INT. SEC 33-18N-2W NCT 150 FNL NCT 0 FSL NCT 330 FWL,
COMP INT. SEC 4-17N-2W NCT 0 FNL NCT 2400 FSL NCT 330 FWL,
TERMINUS NCT 2400 FSL NCT 330 FWL 4-17N-2W,
NO OPER NAMED,
REC 11/3/2014 (LEAVITT)

PENDING CD - 201407781

11/5/2014 - G72 - 33-18N-2W (E.O.)
X 619045 MSSP, WDFD, MSRH, OTHER
POE NCT 0 FNL NCT 330 FWL 33-18N-2W,
COMP INT. SEC 33-18N-2W NCT 150 FNL NCT 0 FSL NCT 330 FWL,
COMP INT. SEC 4-17N-2W NCT 0 FNL NCT 2400 FSL NCT 330 FWL,
TERMINUS NCT 2400 FSL NCT 330 FWL 4-17N-2W,
NO OPER NAMED,
REC 11/3/2014 (LEAVITT)

PENDING CD - 201407782

11/5/2014 - G72 - 33-18N-02W (E.O.)
X 62364 MSSP, WDFD, MSRH,
1 WELL,
NO OPER NAMED,
REC 11/2/2014 (LEAVITT)

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.

083 24349 ACTON RANCH 33_4-18N-2W
2WHX

Category	Description
PENDING CD - 201407783	11/5/2014 - G72 - 04-17N-02W (E.O.) X 622418 MSSP, WDFD, MSRH, 1 WELL, NO OPER NAMED, REC 11/3/2014 (LEAVITT)
PENDING CE - 201407779	11/5/2014 - G72 - (MULTI) 04-17N-02W (E.O.) EST WDFD SHALE RES, X 619045 & 622418 MSSP, WDFD, MSRH, SEC 33 67%/ SEC 4 33%, NO OPER NAMED, REC 11/3/2014 (LEAVITT)
SPACING - 619045	11/5/2014 - G72 -(640 HOR) 33-18N-2W EXT 616316 MSSP, WDFD, MSRH, OTHER POE TO BHL (MSSP, MSRH) NLT 660' FB, NCT 600' FWB POE TO BHL (WDFD) NLT 330' FB, NCT 600' FWB (SUPERSEDE SP. 74293/142021 MSSLM)
SPACING - 622418	11/5/2014 - G72 - (640 HOR) 4-17N-2W EXT 619045 MSSP, WDFD, MSRH, OTHER POE TO BHL (MSSP, MSRH) NLT 660' FB, POE TO BHL (WDFD) NLT 330' FB, (SUPERSEDE 134357 MSSLM, MSRH)

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

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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.