

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

API NUMBER: 083 24357

Approval Date: 12/16/2014  
Expiration Date: 06/16/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 18N Rge: 3W County: LOGAN  
SPOT LOCATION:  SW  NW  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 588 300

Lease Name: BIG LAKE 22-18N-3W Well No: 2MH Well will be 300 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

BIG LAKE RANCH, LLC  
6351 WCR 69  
MULHALL OK 73063

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5609	6	
2	WOODFORD	5940	7	
3	SYLVAN	6015	8	
4			9	
5			10	

Spacing Orders: 607314 Location Exception Orders: 632668 Increased Density Orders: 632667

Pending CD Numbers:

Special Orders:

Total Depth: 11404 Ground Elevation: 978 **Surface Casing: 500** Depth to base of Treatable Water-Bearing FM: 230

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

PIT 1 INFORMATION

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: GARBER

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 14-29078

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: 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: GARBER

HORIZONTAL HOLE 1

Sec 22 Twp 18N Rge 3W County LOGAN

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 5382

Radius of Turn: 682

Direction: 1

Total Length: 4950

Measured Total Depth: 11404

True Vertical Depth: 6015

End Point Location from Lease,  
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

12/15/2014 - 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 - 632667

12/16/2014 - G91 - 22-18N-3W  
X607314 WDFD  
1 WELL  
DEVON ENERGY PRODUCTION CO, L.P.  
11-5-2014

LOCATION EXCEPTION - 632668

12/16/2014 - G91 - (I.O.) 22-18N-3W  
X607314 MSSP, WDFD, SLVN, OTHER  
COMPL. INT. NCT 150 FNL, NCT 150 FSL, NCT 330 FWL  
DEVON ENERGY PRODUCTION CO, L.P.  
11-5-2014

MEMO

12/15/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 607314

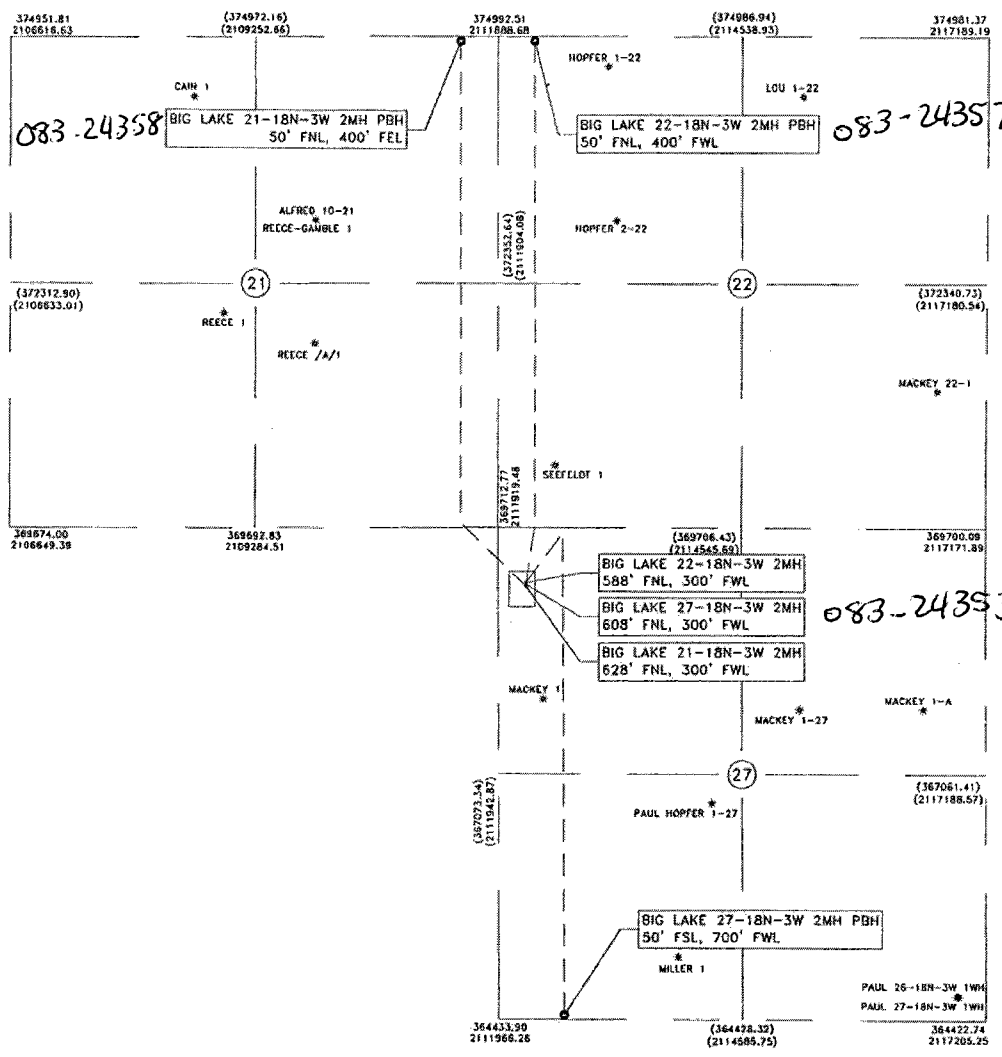
12/16/2014 - G91 - (640)(HOR) 22-18N-3W  
EST MSSP, WDFD, SLVN, OTHER  
COMPL. INT. (WDFD) NLT 330' FB, NCT 600' FWB  
COMPL. INT. (MSSP, SLVN) NLT 660' FB, NCT 600' FWB  
(SUPERSEDE SP. ORDER # 70019 MSSLM; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

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 24357 BIG LAKE 22-18N-3W 2MH

SECTIONS 21, 22, 27,  
T 18 N - R 3 W, I.M.,  
LOGAN COUNTY, OKLAHOMA

BASIS OF BEARINGS  
GRID NORTH  
NAD 83, OK NORTH  
VERT. DATUM = NAVD 88



*J. Wyatt Bishop* 11-24-14  
J. WYATT BISHOP DATE  
OKLAHOMA L.P.L.S. NO.: 1649

NOTES:  
This plat represents a proposed well site and does not represent a true boundary survey. This location has been very carefully staked on the ground according to the latest G.L.O. records, U.S.G.S. maps and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify Gateway Services Group, LLC immediately of any possible discrepancy.  
Coordinates shown in (parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distance.

LEGEND  
SURFACE HOLE LOCATION = ☼  
PROPOSED BOTTOM HOLE LOCATION = ●  
(INFORMATION PROVIDED BY CLIENT)  
CASING WELL = ☼  
(INFORMATION PROVIDED BY OTHERS)  
PROPOSED LATERAL = - - -

LICENSED PROFESSIONAL LAND SURVEYOR  
J. Wyatt Bishop  
11-24-14  
1649  
OKLAHOMA

Devon Energy Production Company, LP.  
333 W. Sheridan  
Oklahoma City, OK 73102

devon

PO. BOX 960  
MEEKER, OK 74855  
OFF. (405) 273-0954  
FAX (405) 273-0580  
C.A. NO. 4091 (LS)  
EXP. DATE 6-30-2016

Gateway  
Gateway Services Group, LLC

WELL LOCATIONS  
BIG LAKE 27-18N-3W 2MH,  
BIG LAKE 22-18N-3W 2MH & BIG LAKE 21-18N-3W 2MH  
SECTIONS 21, 22, 27,  
T 18 N - R 3 W, I.M.,  
LOGAN COUNTY, OKLAHOMA

DRAWN BY: RLG	DATE: 8/25/14	CHK'D: BJH	
GATEWAY NO.: 14-0734-003R2	SCALE: 1"=2000'		
W.B.S. NO.: XX-108602, XX-108658, XX-108655.			
REV.	DWN.	DESCRIPTION	DATE
1	SBF	RESTAKE	11/12/14
2	RLG	CHANGED SHL ORDER	11/24/14