

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

API NUMBER: 083 24353

Approval Date: 11/25/2014

Expiration Date: 05/25/2015

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: 608 300

Lease Name: BIG LAKE 27-18N-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, L.L.C.  
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: 607717

Location Exception Orders: 633195

Increased Density Orders: 633196

Pending CD Numbers:

Special Orders:

Total Depth: 10249

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: 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: GARBER

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

PERMIT NO: 14-29077

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 27 Twp 18N Rge 3W County LOGAN

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 700

Depth of Deviation: 5382

Radius of Turn: 358

Direction: 175

Total Length: 4304

Measured Total Depth: 10249

True Vertical Depth: 6015

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

Notes:

Category

Description

DEEP SURFACE CASING

11/20/2014 - 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 - 633196

11/24/2014 - G76 - 27-18N-3W  
X607717 MSSP, WDFD  
1 WELL  
DEVON ENERGY PROD. CO., L.P.  
11-19-2014

LOCATION EXCEPTION - 633195

11/24/2014 - G76 - (I.O) 27-18N-3W  
X607717 MSSP, WDFD, SLVN, OTHER  
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FWL  
DEVON ENERGY PROD. CO., L.P.  
11-19-2014

MEMO

11/20/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2  
- OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 607717

11/24/2014 - G76 - (640)(HOR) 27-18N-3W  
EST MSSP, WDFD, SLVN, OTHER  
COMPL. INT. (MSSP, SLVN) NLT 660' FB, NCT 600' FWB  
COMPL. INT. (WDFD) NLT 330' FB, NCT 600' FWB  
(SUPERSEDE SP. ORDER # 70019 MSSLM)

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.

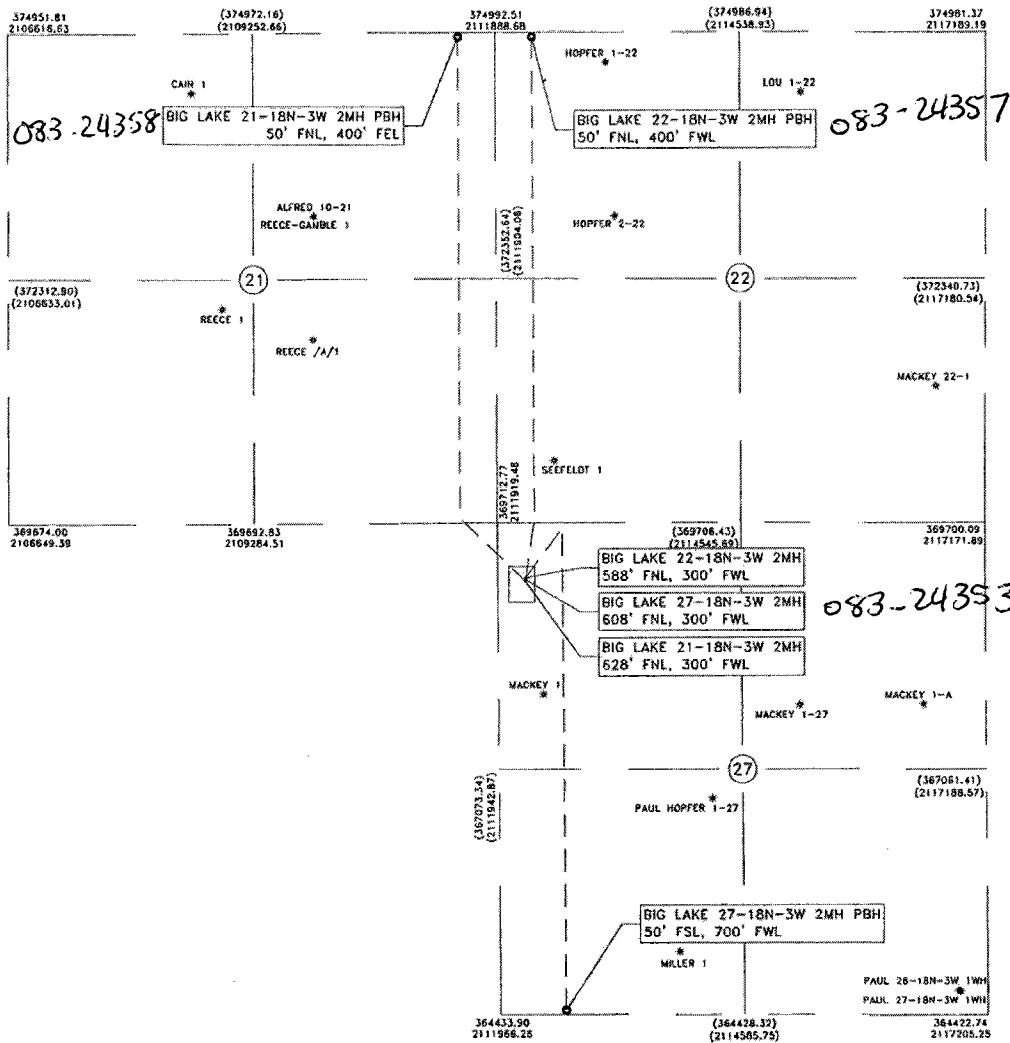
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

083 24353 BIG LAKE 27-18N-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

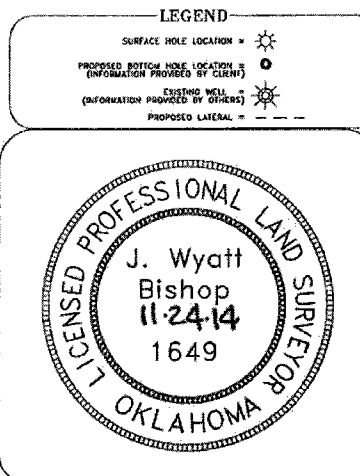


*J. Wyatt Bishop* 11-24-14  
J. WYATT BISHOP  
OKLAHOMA L.P.L.S. NO.: 1649

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.



<b>Devon Energy Production Company, LP.</b> 333 W. Sheridan Oklahoma City, OK 73102		<b>devon</b>
<b>Gateway</b> Gateway Services Group, LLC		P.O. BOX 960 MEEKER, OK 74855 OFF. (405) 273-0954 FAX (405) 273-0580 C.A. NO. 4091 (LS) EXP. DATE 6-30-2016
<b>WELL LOCATIONS</b> 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
1	SBF	RESTAKE
2	RLG	CHANGED SHL ORDER
		DATE
		11/12/14
		11/24/14