

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

API NUMBER: 039 22461

Approval Date: 03/25/2015

Expiration Date: 09/25/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 15N Rge: 15W

County: CUSTER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 375 500

Lease Name: LUANN

Well No: 1-13-12XH

Well will be 375 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC

Telephone: 4052349000; 4052349

OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC  
PO BOX 269000  
OKLAHOMA CITY, OK 73126-9000

JIMMY & LUANN ALEXANDER  
P.O. BOX 665  
WEATHERFORD OK 73096

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	13141	6	
2	WOODFORD	14096	7	
3	HUNTON	14195	8	
4			9	
5			10	

Spacing Orders: 593751

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201501307  
201501306  
201501305  
201501304

Special Orders:

Total Depth: 24056

Ground Elevation: 1706

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 350

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

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 located in a Hydrologically Sensitive Area.

Category of Pit: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

H. SEE MEMO

PERMIT NO: 15-29805

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: ON SITE

Type of Mud System: OIL BASED

Chlorides Max: 300000 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: 3

Liner required for Category: 3

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 12 Twp 15N Rge 15W County CUSTER

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 30

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 13659

Radius of Turn: 478

Direction: 3

Total Length: 9646

Measured Total Depth: 24056

True Vertical Depth: 14195

End Point Location from Lease,  
Unit, or Property Line: 30

Notes:

Category

Description

INTERMEDIATE CASING

3/25/2015 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

MEMO

3/25/2015 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS TO DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, GRADY CO., # 3526013)

PENDING CD - 201501304

3/25/2015 - G75 - (E.O.)(640) 12-15N-15W  
VAC 100415 CSTR, MRMC \*\*  
EXT 593751 WDFD, HNTN  
EST MSSP  
CONTINENTAL RESOURCES, INC.  
REC 3-13-2015 (P. PORTER)

\*\* S/B VAC 45628 MRMC & VAC 100415 CSTR; TO BE CORRECTED AT HEARING FOR FINAL ORDER ON 3-30-2015 PER ATTORNEY FOR OPERATOR

PENDING CD - 201501305

3/25/2015 - G75 - (E.O.)(640) 13-15N-15W  
VAC 45628 MRMC  
VAC 129879 CSTR  
VAC 593751 KDRK  
EST MSSP  
CONTINENTAL RESOURCES, INC.  
REC 3-13-2015 (P. PORTER)

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.

039 22461 LUANN 1-13-12XH

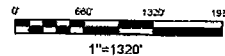
Category	Description
PENDING CD - 201501306	3/25/2015 - G75 - (E.O.) 12 & 13-15N-15W EST MULTIUNIT HORIZONTAL WELL X201501304 MSSP, WDFD, HNTN 12-15N-15W X593751 WDFD, HNTN 13-15N-15W X201501305 MSSP 13-15N-15W (MSSP, HNTN ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 50% 12-15N-15W 50% 13-15N-15W CONTINENTAL RESOURCES, INC. REC 3-13-2015 (P. PORTER)
PENDING CD - 201501307	3/25/2015 - G75 - (E.O.) 12 & 13-15N-15W X201501304 MSSP, WDFD, HNTN 12-15N-15W X593751 WDFD, HNTN 13-15N-15W X201501305 MSSP 13-15N-15W SHL NCT 375 FSL, NCT 500 FEL 13-15N-15W COMPL. INT. (13-15N-15W) NCT 150 FSL, NCT 0 FNL, NCT 330 FEL COMPL. INT. (12-15N-15W) NCT 0 FSL, NCT 150 FNL, NCT 330 FEL CONTINENTAL RESOURCES, INC. REC 3-13-2015 (P. PORTER)
SPACING - 593751	3/25/2015 - G75 - (640) 13-15N-15W EST KDRK (VAC BY 201501305) EST WDFD, HNTN, OTHERS
SURFACE CASING	3/25/2015 - G71 - MIN. 500' PER ORDER # 42589

Continental

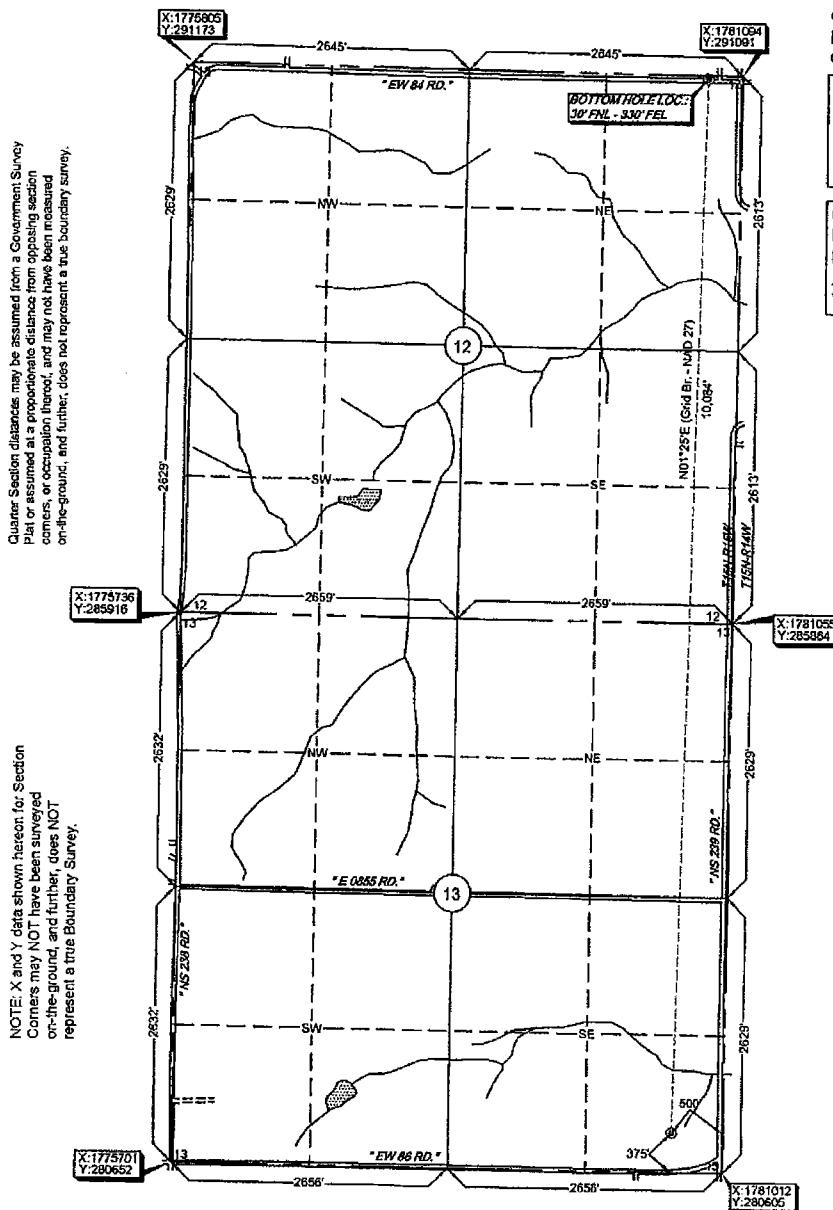
S.H.L. Sec. 13-15N-15W I.M.  
B.H.L. Sec. 12-15N-15W I.M.

Terrain at Loc. : Stake fell in open, flat, cultivated field, 150' West of small drain with trees.

Directions : From the junction of State Highway 33 & "NS 239 RD" in the town of Thomas, OK, go  $\pm 1.5$  mile North to the Southeast Corner of Section 13-15N-15W.



Bottom Hole Loc.:  
Lat: 35°47'50.36"N  
Lon: 98°44'21.34"W  
X: 1780764  
Y: 291066



Stan Drannon 11/20/14  
STAN DRANNON OK | PLS 16

