

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

API NUMBER: 011 23609 A

Approval Date: 06/01/2016
Expiration Date: 12/01/2016

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NUMBER; ADD FORMATION IN 4-16N-11W; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 16N Rge: 11W County: BLAINE
SPOT LOCATION: NE SW NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 765 2230

Lease Name: WINTERSOLE Well No: 1-4-33-28XH Well will be 765 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349 OTC/OCC Number: 3186 0

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

RICHARD M. JACKSON JR.
P.O. BOX 587
WATONGA OK 73772

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

	Name	Depth	Name	Depth
1	MISS'AN (EX CHESTER)	9654	6	
2	MISSISSIPPIAN	10335	7	
3			8	
4			9	
5			10	

Spacing Orders: 648237
647806
653389

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604989
201604953
201604954

Special Orders:

Total Depth: 19792 Ground Elevation: 1567 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 40

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.

H. SEE MEMO

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

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: 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: 3
Liner required for Category: 3
Pit Location is AP/TE DEPOSIT
Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 28 Twp 17N Rge 11W County BLAINE
Spot Location of End Point: N2 NE NW NE
Feet From: NORTH 1/4 Section Line: 50
Feet From: EAST 1/4 Section Line: 1650
Depth of Deviation: 9775
Radius of Turn: 478
Direction: 358
Total Length: 9266
Measured Total Depth: 19792
True Vertical Depth: 10335
End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, INTERMEDIATE CASING, and MEMO with detailed descriptions of operations and requirements.

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Category	Description
PENDING CD - 201604953	11/28/2016 - G75 - (I.O.) 4-16N-11W, 28 & 33-17N-11W EST MULTIUNIT HORIZONTAL WELL XOTHER X648237 MSSP, OTHERS 28-17N-11W X647806 MSSP, OTHERS 33-17N-11W X653389 MSNLC, OTHER 4-16N-11W 4.5% 4-16N-11W 47.5% 28-17N-11W 48% 33-17N-11W CONTINENTAL RESOURCES, INC. REC 11-21-2016 (NORRIS)
PENDING CD - 201604954	11/28/2016 - G75 - (I.O.) 4-16N-11W, 28 & 33-17N-11W XOTHER X648237 MSSP, OTHERS 28-17N-11W X647806 MSSP, OTHERS 33-17N-11W X653389 MSNLC, OTHER 4-16N-11W SHL (4-16N-11W) 765' FNL, 2230' FEL COMPL. INT. (4-16N-11W) NCT 765' FNL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (33-17N-11W) NCT 0' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (28-17N-11W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FEL CONTINENTAL RESOURCES, INC. REC 11-21-2016 (NORRIS)
PENDING CD - 201604989	11/28/2016 - G75 - 4-16N-11W X653389 MSNLC 1 WELL CONTINENTAL RESOURCES, INC. REC 11-21-2016 (NORRIS)
SPACING - 647806	5/31/2016 - G75 - (640) 33-17N-11W EXT OTHERS EST MSSP, OTHERS
SPACING - 648237	5/31/2016 - G75 - (640) 28-17N-11W VAC 188200 CSTR EST MSSP, OTHERS
SPACING - 653389	11/23/2016 - G75 - (640) 4-16N-11W VAC 598292 MSSLM EXT OTHER EST MSNLC

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