

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

API NUMBER: 137 27415

Approval Date: 03/26/2015

Expiration Date: 09/26/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 2N Rge: 4W

County: STEPHENS

SPOT LOCATION: NW NE NW SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 2420 1790

Lease Name: VANARKEL

Well No: 6-15-10XH

Well will be 1790 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

ROYCE CONDIT
P.O. BOX 429
SEMINOLE TX 79360

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

Name	Depth	Name	Depth
1 WOODFORD	14300	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 593306
601726

Location Exception Orders:

Increased Density Orders: 637619

Pending CD Numbers: 201500417
201500424
201500415
201501573

Special Orders:

Total Depth: 22137

Ground Elevation: 1107

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 580

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: 3000 Average: 2500

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 15-29615

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: 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 BED AQUIFER
 Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 10 Twp 2N Rge 4W County STEPHENS
 Spot Location of End Point: N2 NE NW NE
 Feet From: NORTH 1/4 Section Line: 30
 Feet From: EAST 1/4 Section Line: 1650
 Depth of Deviation: 13741
 Radius of Turn: 559
 Direction: 358
 Total Length: 7518
 Measured Total Depth: 22137
 True Vertical Depth: 14300
 End Point Location from Lease,
 Unit, or Property Line: 30

Additional Surface Owner	Address	City, State, Zip
PAUL L. MCCULLISS	P.O. BOX 3248	LITTLETON, CO 80161
GEORGE G. VAUGHT JR.	P.O. BOX 13557	DENVER, CO 80201

Notes:

Category	Description
DEEP SURFACE CASING	3/19/2015 - 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 - 637619	3/19/2015 - G76 - (E.O.) 10-2N-4W X593306 WDFD 7 WELLS CONTINENTAL RESOURCES, INC. 3/10/2015
MEMO	3/19/2015 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS HAULED TO DEQ APPROVED FACILITY - PAUL VALLEY LANDFILL (GARVIN) - 3525009 - SOUTHERN PLAINS LANDFILL (GRADY) - 3526013
PENDING CD - 201500415	3/20/2015 - G76 - 15-2N-4W X601726 WDFD 6 WELLS CONTINENTAL RESOURCES, INC. REC. 3/9/2015 (LEAVITT)
PENDING CD - 201500417	3/19/2015 - G76 - (I.O.)(MULTIUNIT) 15 & 10-2N-4W EST MULTIUNIT HORIZONTAL WELL X601726 15-2N-4W WDFD, OTHERS X593306 10-2N-4W WDFD, OTHERS 50% 15-2N-4W 50% 10-2N-4W CONTINENTAL RESOURCES, INC. REC. 2/17/2015 (NORRIS)

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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.

Category	Description
PENDING CD - 201500424	<p>3/19/2015 - G76 - (I.O.) 15 & 10-2N-4W X601726 15-2N-4W WDFD, OTHERS X593306 10-2N-4W WDFD, OTHERS SHL NCT 2440 FSL, NCT 1990 FWL 15-2N-4W** 1ST PERF (15-2N-4W) NCT 2440 FSL, NCT 330 FWL LAST PERF (15-2N-4W) NCT 0 FNL, NCT 330 FWL 1ST PERF (10-2N-4W) NCT 0 FSL, NCT 330 FWL LAST PERF (10-2N-4W) NCT 150 FNL, NCT 330 FWL NO OP. NAMED REC. 2/17/2015 (NORRIS)</p> <p>**ITD HAS 2420 FSL, 1790 FEL; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR</p>
PENDING CD - 201501573	<p>3/25/2015 - G76 - (I.O.) 15-2N-4W X165:10-3-28(C)(2)(B) WDFD, OTHERS (VANARKEL 6-15-10XH) CLOSER THAN 600' TO VANARKEL 1-15H (API 137-26966) & HONEYCUTT 5-22-15XH (API 137-27384) CONTINENTAL RESOURCES, INC. HEARING ON 4/13/2015; OK'D BY VIRGINIA HULLINGER, TECHNICAL MANAGER</p>
SPACING - 593306	<p>3/19/2015 - G76 - (640) 10-2N-4W EXT 592371 WDFD, OTHERS EXT OTHERS EST OTHERS</p>
SPACING - 601726	<p>3/19/2015 - G76 - (640) 15-2N-4W EXT OTHERS EXT 593306 WDFD, OTHERS</p>

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API 137-27415

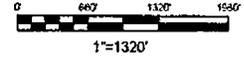


Well Location Plat

S.H.L. Sec. 15-2N-4W I.M.
B.H.L. Sec. 10-2N-4W I.M.

Operator: CONTINENTAL RESOURCES, INC.
Lease Name and No.: VANARKEL #6-15-10XH
Footage: 2420' FSL - 1790' FEL GR. ELEVATION: 1107' Good Site? YES
Section: 15 Township: 2N Range: 4W I.M.
County: Stephens State of Oklahoma
Alternate Loc.: N/A
Terrain at Loc.: Location fell in open, hilly pasture surrounded by existing pipelines.

Directions: In Doyle, OK, the Junction of State Highway 29 and State Highway 76 is the Southeast corner Section 15-2N-4W.

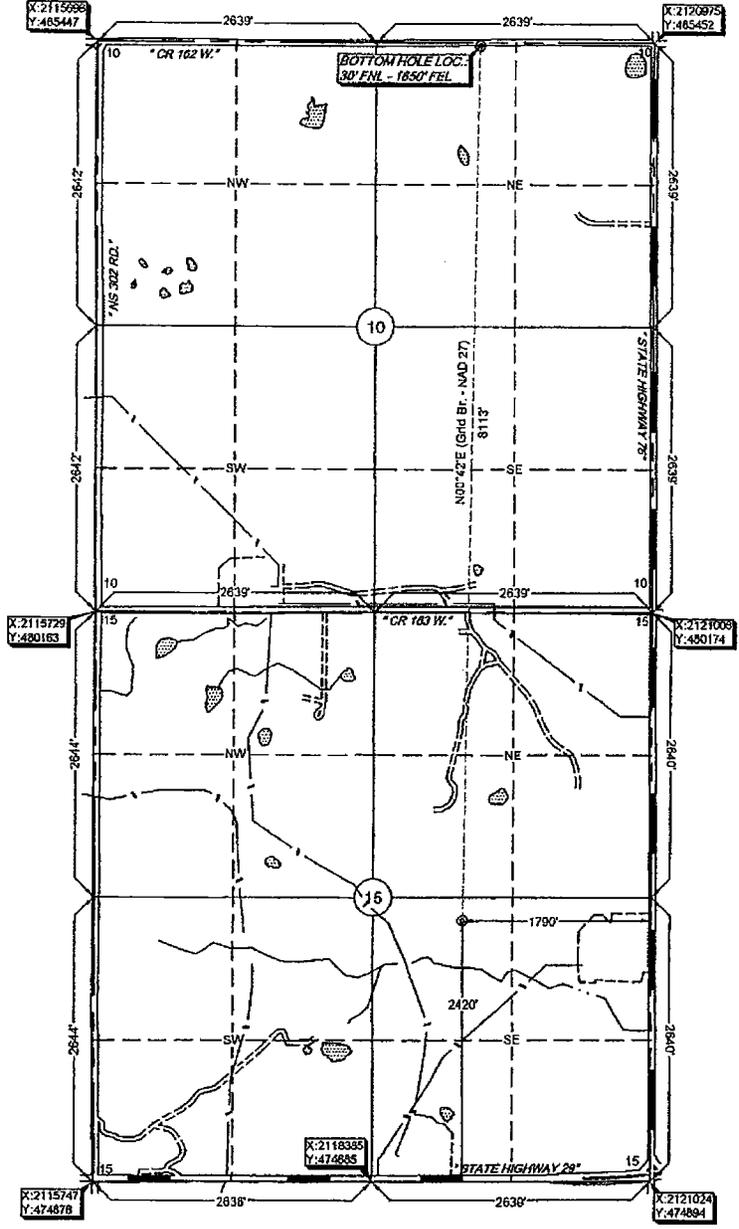


GPS DATUM
NAD - 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°38'39.47"N
Lon: 97°36'12.98"W
X: 2119227
Y: 477308

Bottom Hole Loc.:
Lat: 34°39'59.72"N
Lon: 97°36'11.42"W
X: 2119326
Y: 485420

Quar: Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.



Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.

NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

survey and plat by,
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2016

Invoice # 5222-A
Date Staked: 01/06/15 By: C.K.
Date Drawn: 01/09/15 By: J.H.
Revise Lease Name: 01/20/15 By: R.M.
Revise Lease Name: 01/23/15 By: T.S.
Added BHL: 01/27/15 By: J.H.

Certification:
This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Stan Drannon 01/28/15
STAN DRANNON OK LPLS 1672

