

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

API NUMBER: 039 22449

Approval Date: 10/28/2014
Expiration Date: 04/28/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 15N Rge: 14W County: CUSTER
SPOT LOCATION: S2 SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 215 330

Lease Name: AKIN Well No: 1-27-22XH Well will be 215 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

MANNERING IRREVOCABLE TRUST
DEE ANN (MANNERING) MOORE, CO-TRUSTEE
RT. 3 BOX 126
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	12500	6	
2 WOODFORD	13500	7	
3 HUNTON	13600	8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407301
201407300
201407505
201407504

Special Orders:

Total Depth: 23510 Ground Elevation: 1696 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 50

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: ON SITE
Type of Mud System: WATER BASED
Chlorides Max: 8000 Average: 5000

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28333
H. SEE MEMO

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

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 22 Twp 15N Rge 14W County CUSTER
Spot Location of End Point: NW NE NE NE
Feet From: NORTH 1/4 Section Line: 60
Feet From: EAST 1/4 Section Line: 350
Depth of Deviation: 12833
Radius of Turn: 478
Direction: 360
Total Length: 9927
Measured Total Depth: 23510
True Vertical Depth: 13600
End Point Location from Lease,
Unit, or Property Line: 60

Table with 3 columns: Additional Surface Owner, Address, City, State, Zip. Rows include COLEEN MANNERING LIFE ESTATE, MANNERING IRREVOCABLE TRUST, and MANNERING IRREVOCABLE TRUST.

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, INTERMEDIATE CASING, MEMO, PENDING CD - 201407300, and PENDING CD - 201407301.

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.

Category	Description
PENDING CD - 201407504	10/28/2014 - G72 - (MULTI) 27 & 22-15N-14W (E.O.) EST WDFD SHALE RES, X 201407300 & 201407301 MSSP, WDFD, HNTN, 50&/50% NO OPER NAMED, REC 10/17/2014 (NORRIS)
PENDING CD - 201407505	10/28/2014 - G72 - 27 & 22-15N-14W (E.O.) X 201407300 & 201407301 MSSP, WDFD, HNTN, SHL NCT 215 FSL NCT 330 FEL 27-15N-14W, COMP INT. SEC 27 NCT 150 FSL NCT 0 FNL NCT 330 FEL, COMP INT. SEC 22 NCT 0 FSL NCT 150 FNL NCT 330 FEL, NO OPER NAMED, REC 10/17/2014 (NORRIS)

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.



Well Location Plat

S.H.L. Sec. 27-15N-14W I.M.
B.H.L. Sec. 22-15N-14W I.M.

SHOWING FINISHED PAD ELEVATION

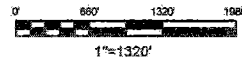
039-22449

Operator: CONTINENTAL RESOURCES, INC.
Lease Name and No.: AKIN #1-27-22XH
Footage: 215' FSL -330' FEL GR. ELEVATION: 1696' Good Site? YES
Section: 27 Township: 15N Range: 14W I.M. Final Elev: 1696
County: Custer State of Oklahoma
Alternate Loc.: N/A
Terrain at Loc.: Stake fell in a cultivated field, 190' N. of E-W fence.



Accessibility: From the West.

Directions: From the intersection of "EW 89 Road" and "NS 238 Road", 1.0 mile South of Thomas, OK, go 5.0 miles East on "EW 89 Road", then 1.0 miles North on "NS 243 Road" to the Southeast Corner of Section 27-15N-14W.

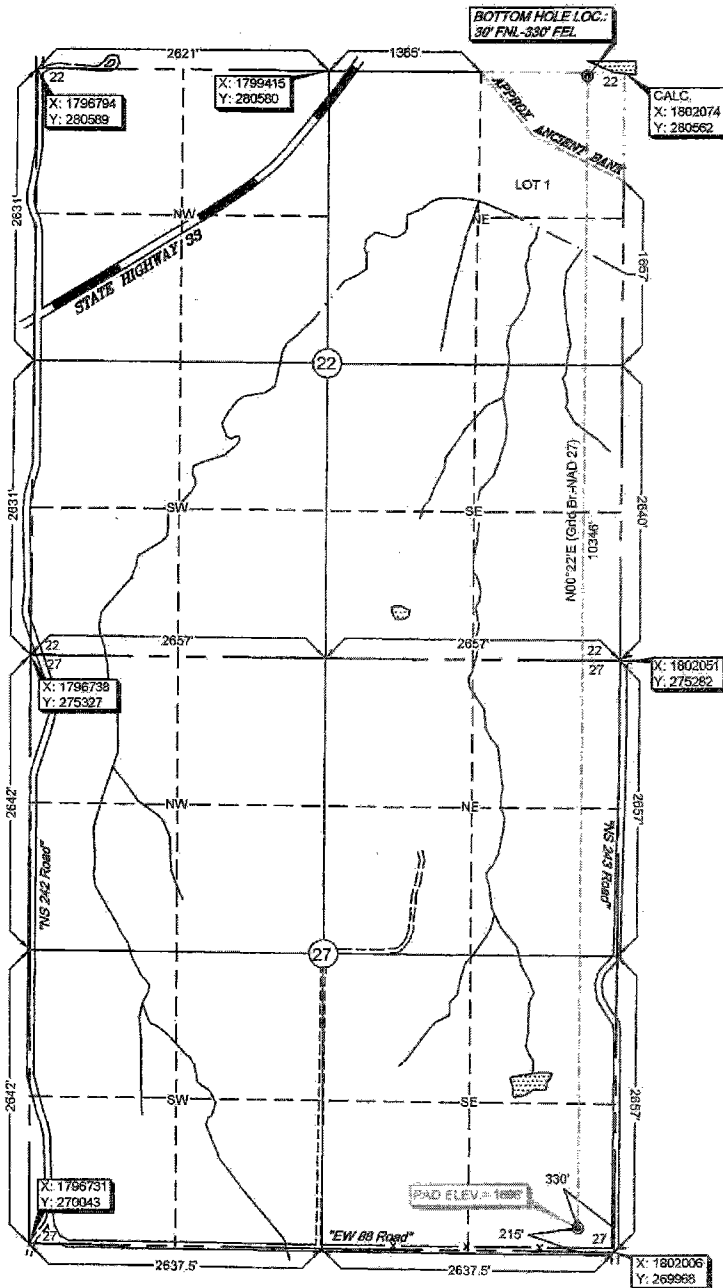


GPS DATUM
NAD - 27
OK NORTH ZONE

Surface Hole Loc.:
Lat: 35°44'25.38"N
Lon: 98°40'05.72"W
X: 1801678
Y: 270188

Bottom Hole Loc.:
Lat: 35°48'07.70"N
Lon: 98°40'05.79"W
X: 1801744
Y: 280534

Quarter 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.



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.

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.

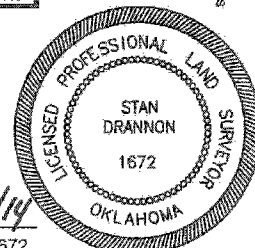
survey and plat by,
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2016

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.

Invoice #4233
Date Staked: 12/13/13 By: CK
Date Drawn: 12/18/13 By: RM
Rev. Date: 09/30/14 By: TS
Rev. Lease Name: 09/04/14 By: RM

STAN DRANNON

OK LPLS 1672



Stan Drannon 9/30/14