

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

API NUMBER: 043 23531

Approval Date: 07/03/2017
Expiration Date: 01/03/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 17N Rge: 15W County: DEWEY
SPOT LOCATION: NE NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 305 600

Lease Name: BABY RUTH Well No: 18-1H Well will be 305 feet from nearest unit or lease boundary.
Operator Name: CARRERA ENERGY LLC Telephone: 4326956970 OTC/OCC Number: 23514 0

CARRERA ENERGY LLC
PO BOX 5036
MIDLAND, TX 79704-5036

BONNIE MCDONALD
64613 NORTH 2160 ROAD
TALOGA OK 73667

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11000	6	
2	WOODFORD	12250	7	
3			8	
4			9	
5			10	

Spacing Orders: 665117

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201702861

Special Orders:

Total Depth: 16346

Ground Elevation: 1725

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 190

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

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: MARLOW

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-32770

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 18 Twp 17N Rge 15W County DEWEY

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 10627

Radius of Turn: 573

Direction: 1

Total Length: 4819

Measured Total Depth: 16346

True Vertical Depth: 12250

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

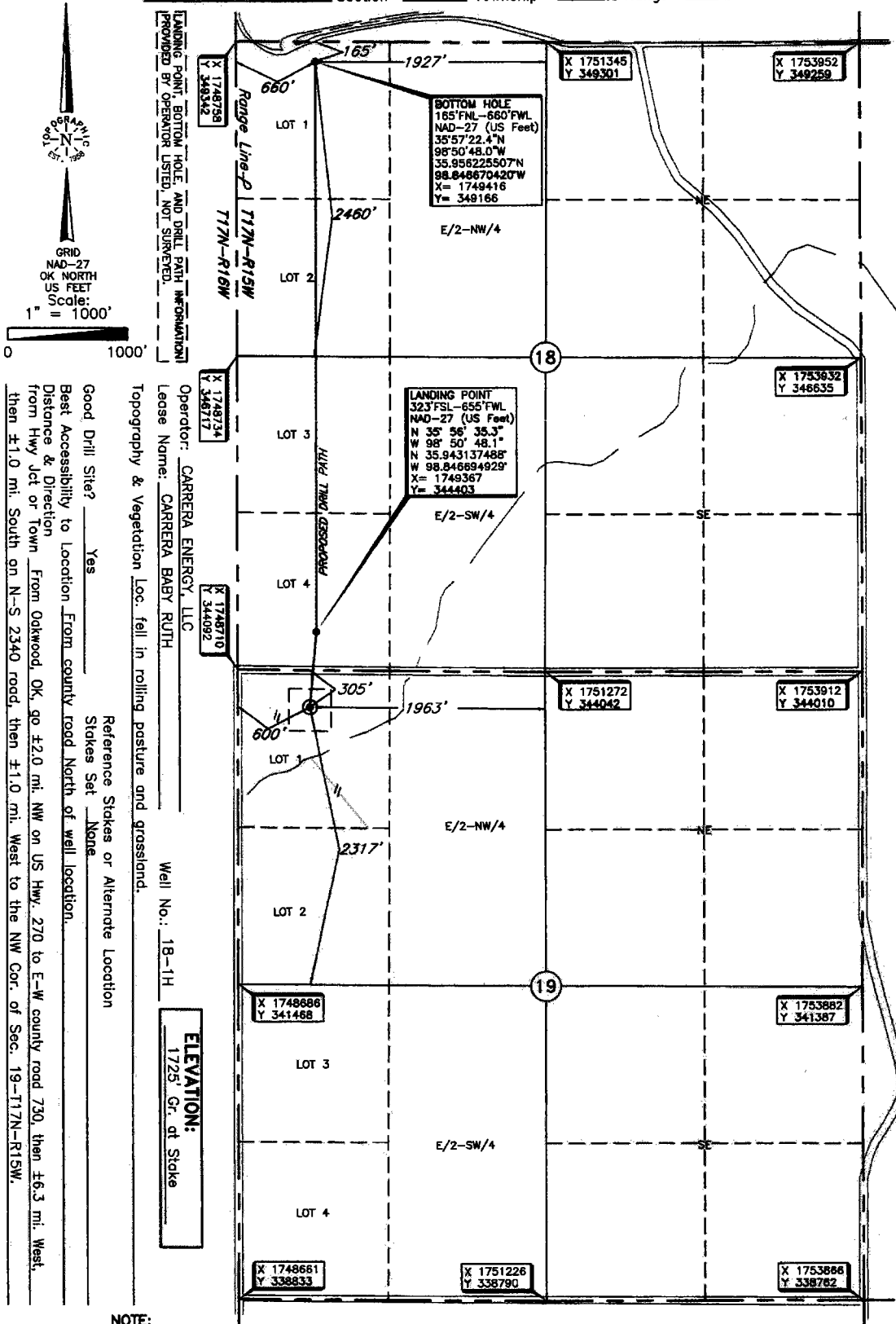
Category	Description
DEEP SURFACE CASING	6/20/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	6/20/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE
INTERMEDIATE CASING	6/20/2017 - 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
PENDING CD - 201702861	7/3/2017 - G60 - (I.O.) 18-17N-15W X201702859 MSSP, WDFD COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC. 6/19/17 (M. PORTER)
SPACING - 665117	7/3/2017 - G60 - (640)(HOR) 18-17N-15W VAC CSTR, MSSSD EST MSSP, WDFD COMPL. INT. NCT (MSSP) 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL

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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.

DEWEY

County, Oklahoma

305' FNL - 600' FWL Section 19 Township 17N Range 15W I.M.



Operator: CARRERA ENERGY, LLC
 Lease Name: CARRERA BABY RUTH
 Well No.: 18-1H
 ELEVATION: 1725' Gr. dt. Sticks

Topography & Vegetation Loc. fell in rolling pasture and grassland.
 Reference Sticks or Alternate Location
 Stakes Set None

Good Drill Site? Yes
 Best Accessibility to Location From county road North of well location.
 Distance & Direction From Hwy Jet or Town From Okwood, OK, go ±2.0 mi. NW on US Hwy. 270 to E-W county road 730, then ±6.3 mi. West, then ±1.0 mi. South on N-S 2340 road, then ±1.0 mi. West to the NW Cor. of Sec. 19-17N-15W.

NOTE:
 The information shown herein is for construction purposes ONLY.

DATUM: NAD-27
 LAT: 35°56'29.1" N
 LONG: 98°50'48.8" W
 LAT: 35.941413874° N
 LONG: 98.846880686° W
 STATE PLANE COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 1749307
 Y: 343776

Date of Drawing: Jun. 07, 2017
 Invoice # 277081 Date Staked: Jun. 06, 2017 AC

CERTIFICATE:

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Thomas L. Howell
 Oklahoma Lic. No. 1433

