

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

API NUMBER: 045 23522

Approval Date: 09/29/2014
Expiration Date: 03/29/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 17N Rge: 24W County: ELLIS
SPOT LOCATION: NW NE NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 250 800

Lease Name: KENNETH Well No: 36-1H Well will be 250 feet from nearest unit or lease boundary.

Operator Name: EOG RESOURCES INC Telephone: 4052463226; 7136517 OTC/OCC Number: 16231 0

EOG RESOURCES INC
3817 NW EXPRESSWAY STE 500
OKLAHOMA CITY, OK 73112-1483

KENNETH & CHARLENE KNOWLES REV TRUSTS
HCR 63, BOX 6
ARNETT OK 73832

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

Name	Depth	Name	Depth
1 MARMATON	9500	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 616856

Location Exception Orders: 628723

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14895

Ground Elevation: 2420

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 740

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: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

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

PERMIT NO: 14-28419

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 36 Twp 18N Rge 24W County ELLIS

Spot Location of End Point: NW NE NW NW

Feet From: NORTH 1/4 Section Line: 65

Feet From: WEST 1/4 Section Line: 800

Depth of Deviation: 9786

Radius of Turn: 440

Direction: 1

Total Length: 5109

Measured Total Depth: 14895

True Vertical Depth: 9500

End Point Location from Lease,
Unit, or Property Line: 65

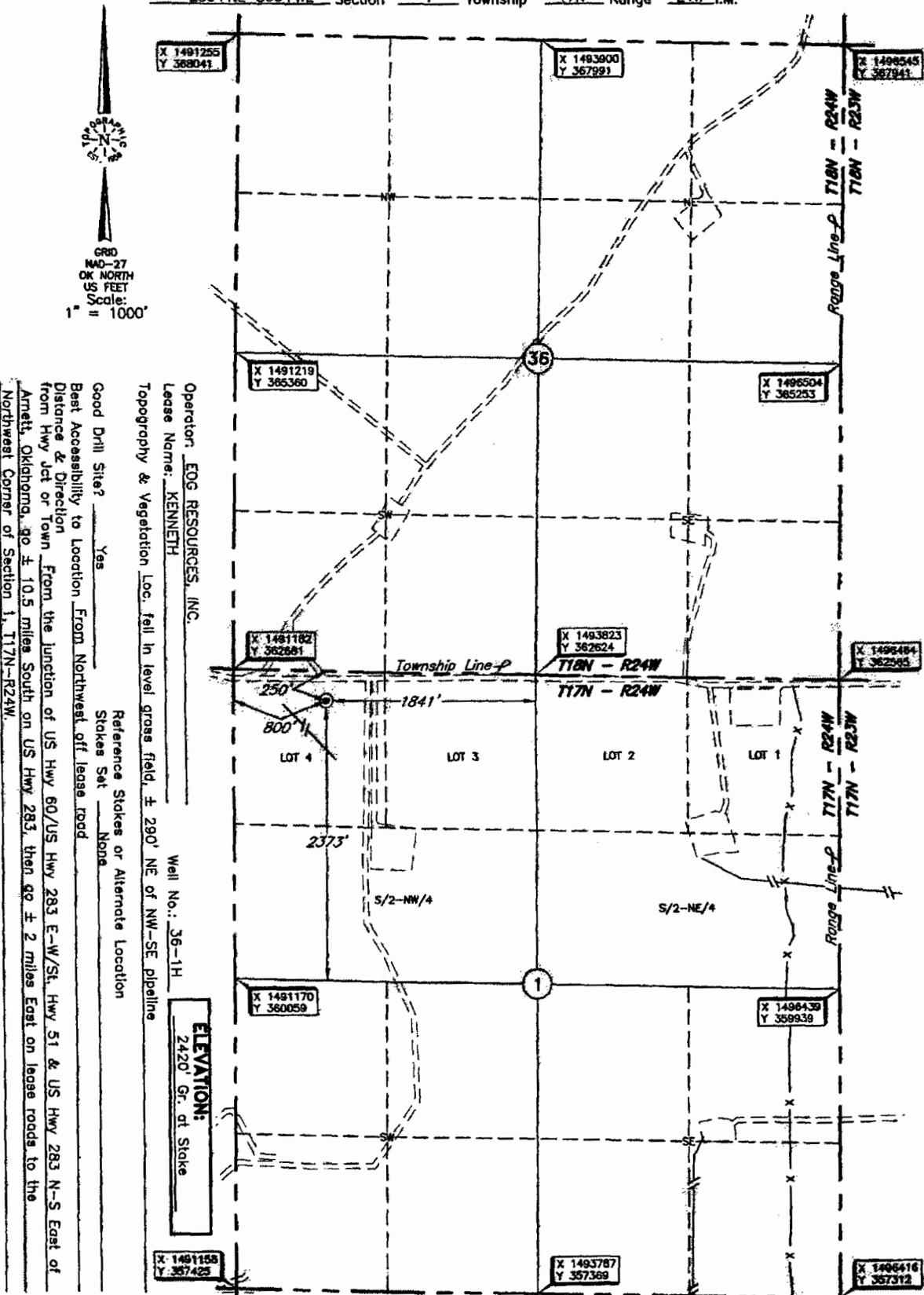
Notes:

Category	Description
DEEP SURFACE CASING	9/22/2014 - 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
LOCATION EXCEPTION - 628723	9/29/2014 - G72 - 36-18N-24W (I.O.) X 616856 MRMN, COMP INT. NCT 165 FSL NCT 165 FNL NCT 800 FWL, EOG RESOURCES, INC. 8/4/2014
SPACING - 616856	9/29/2014 - G72 - (640 HORZ) 36-18N-24W EXT 579707 MRMN, OTHERS

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045-23522

ELLIS County, Oklahoma
 250' FNL-800' FWL Section 1 Township 17N Range 24W I.M.



Operator: EOG RESOURCES, INC.
 Lease Name: KENNETH
 Topography & Vegetation Loc. fell in level grass field, ± 290' NE of NW-SE pipeline
 Reference Stakes or Alternate Location
 Stakes Set None
 Well No.: 36-1H
ELEVATION:
2420' Gr. at Stake

Good Drill Site? Yes
 Best Accessibility to Location From Northwest of lease road
 Distance & Direction From the Junction of US Hwy 60/US Hwy 283 E-W/St. Hwy 51 & US Hwy 283 N-S East of Arnett, Oklahoma, go ± 10.5 miles South on US Hwy 283, then go ± 2 miles East on lease roads to the Northwest Corner of Section 1, T17N-R24W.

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

DATUM: NAD-27
 LAT: 35°58'59.8" N
 LONG: 99°43'01.7" W
 LAT: 35.983277007° N
 LONG: 99.717144565° W
 STATE PLANE
 COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 1491981
 Y: 362413

Date of Drawing: June 23, 2014
 Invoice # 225140 Date Staked: June 16, 2014 NMB

CERTIFICATE:
 I, Thomas L. Howell a 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

