

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

API NUMBER: 129 23961

Approval Date: 06/10/2014

Expiration Date: 12/10/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 17N Rge: 25W

County: ROGER MILLS

SPOT LOCATION: ☐ NW ☐ SW ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 383 2458

Lease Name: BESSIE 1-17-25

Well No: 2H

Well will be 383 feet from nearest unit or lease boundary.

Operator
Name: APACHE CORPORATION

Telephone: 9184914900; 9184914

OTC/OCC Number: 6778 0

APACHE CORPORATION
6120 S YALE AVE STE 1500
TULSA, OK 74136-4224

SYLVIA B. MOAD
P.O. BOX 356
TRUSTEE OF THE SYLVIA B. MOAD REVOCABLE TRUST
CHEYENNE OK 73628

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

	Name	Depth	Name	Depth
1	MARMATON	9295	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 609374

Location Exception Orders: 201403904

Increased Density Orders: 201403900

Pending CD Numbers:

Special Orders:

Total Depth: 14500

Ground Elevation: 2171

Surface Casing: 430

Depth to base of Treatable Water-Bearing FM: 380

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 90000 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.

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

PERMIT NO: 14-27435

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: 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 01 Twp 17N Rge 25W County ROGER MILLS

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 250

Feet From: EAST 1/4 Section Line: 2420

Depth of Deviation: 9900

Radius of Turn: 573

Direction: 355

Total Length: 4670

Measured Total Depth: 14500

True Vertical Depth: 9373

End Point Location from Lease,
Unit, or Property Line: 250

Notes:

Category

Description

MEMO

6/5/2014 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM
RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201403900

6/10/2014 - G72 - 1-17N-25W
X 609374 MRMN;
1 WELL;
NO OPER NAMED;
HRG 6/24/2014 (JOHNSON)

PENDING CD - 201403904

6/10/2014 - G72 - 1-17N-25W (E.O.)
X 609374 MRMN;
SHL NCT 250 FSL NCAT 2420 FEL;
COMP INT. NCT 300 FSL NCT 300 FNL NCT 1320 FEL;
APACHE CORPORATION;
REC 6/9/2014 (JOHNSON)

SPACING - 609374

6/10/2014 - G72 - (640 HOR) 1-17N-25W
SUPERSEDE 131528 OSWG;
EST MRMN;
POE TO BHL NCT 660' FB
(SUPERSED NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH
PRODUCING NON-HORIZONTAL SPACING UNITS)

This permit does not address the right of entry or settlement of surface damages.

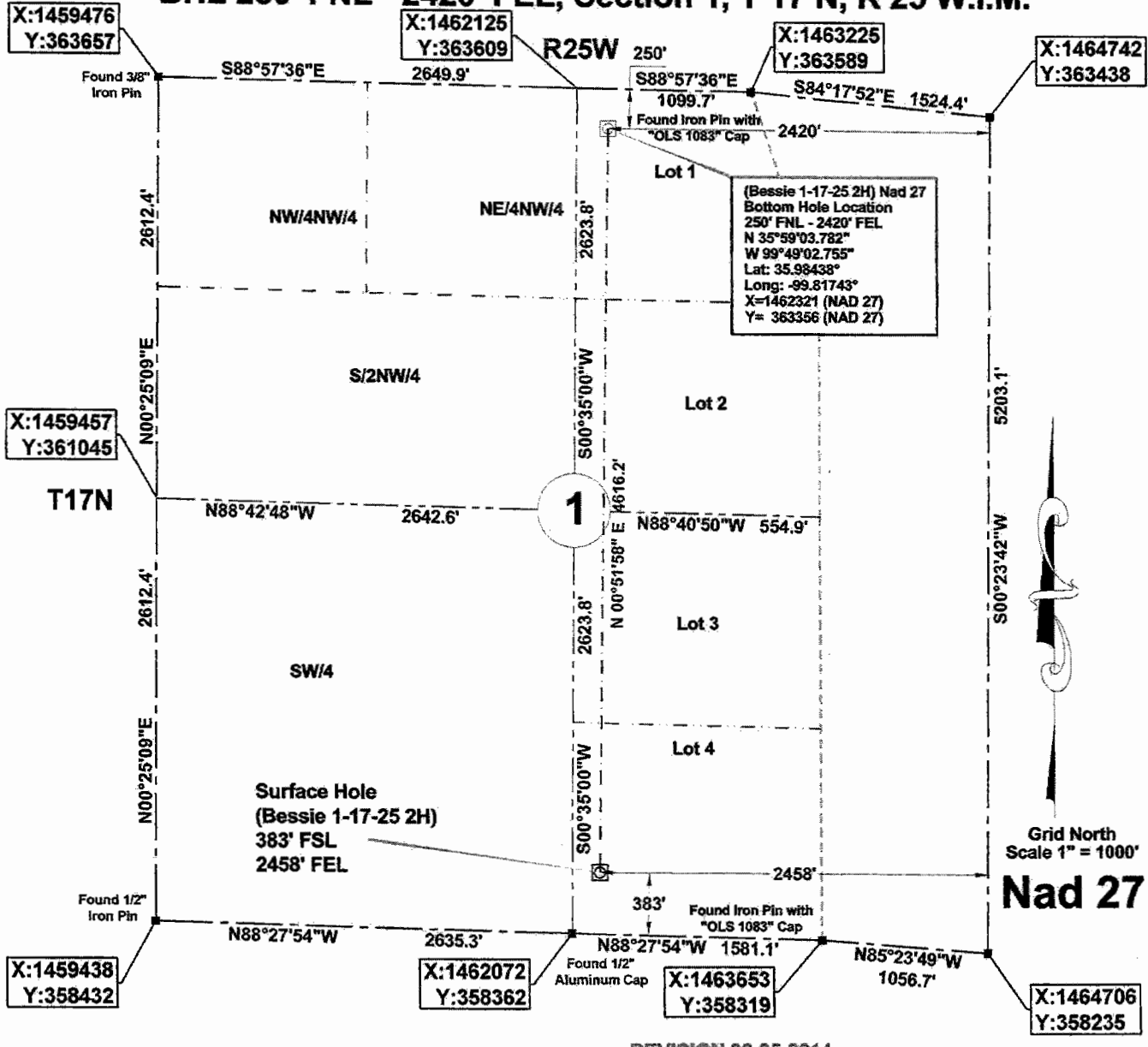
129 23961 BESSIE 1-17-25 2H

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Office of the Conservation Division as to when Surface Casing will be run.

APT 129 23961

Roger Mills County, Oklahoma.
BHL 250' FNL - 2420' FEL, Section 1, T 17 N, R 25 W.I.M.



REVISION 06-05-2014
CHANGED SURFACE HOLE LOCATION



Legend
--- Section Line
--- 1/4 Section Line

BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.
CORNER COORDINATES ARE TAKEN FROM POINTS SURVEYED IN THE FIELD.

OPERATOR: Apache Corporation WELL NO.: 2H
LEASE NAME: Bessie 1-17-25

ELEVATION:
2165' GR. AT STAKE

BEST ACCESSIBILITY TO LOCATION: FROM THE WEST
DISTANCE & DIRECTION
FROM HWY JCT OR TOWN: Beginning in Crawford, OK, starting at the intersection of CR 820 and CR 1790, go West on CR 820 1.0 mi. to CR 1780, go North on CR 1780 10.0 mi. to a lease road bearing Northeast, go Northeast on said lease road 0.70 mi., go North 1335 feet to the location stake.

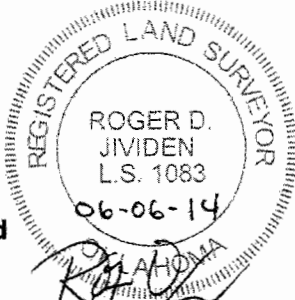


Buried utilities are not necessarily shown. It is the contractor's responsibility to locate and preserve all utility services.

REVISION: JUNE 6, 2014 DATE OF DRAWING: April 17, 2014
INVOICE #: 18730 DATE STAKED: April 15, 2014

STAKED SURFACE HOLE We do hereby certify that this survey was done in accordance to records, maps and other information as provided to us by the client herein named and that great care was taken in the actual staking of this well and the determination of any obstacles thereupon. However, the accuracy of this survey is not guaranteed and if there appears to be any discrepancy, please notify us immediately.

DATUM: Nad 27
N: 35°58'18.131"
W: 99°49'02.553"
LAT: 35.97170°
LONG: -99.81738°
STATE PLANE
COORDINATES: (US FEET)
ZONE: OK North
X: 1462251
Y: 358740



Survey is valid only if print has original seal and signature of surveyor present