

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

API NUMBER: 129 24041

Approval Date: 01/07/2015

Expiration Date: 07/07/2015

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 17N Rge: 25W

County: ROGER MILLS

SPOT LOCATION: NE SW SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 350 800

Lease Name: BACHMANN 28-17-25

Well No: 3

Well will be 350 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

ROBERTA BACHMANN
414 SPURLIN DRIVE
SAYRE OK 73662

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

Name	Depth	Name	Depth
1 SPRINGER-MORROW	12060	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 134743

Location Exception Orders: 634735

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12500

Ground Elevation: 2304

Surface Casing: 470

Depth to base of Treatable Water-Bearing FM: 420

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: 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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 14-29363

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 BED AQUIFER

Pit Location Formation: OGALLALA

Notes:

Category

Description

FRAC FOCUS

1/7/2015 - G71 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM

LOCATION EXCEPTION - 634735

1/7/2015 - G91 - (E.O.) 28-17N-25W
X134743 SPRMW
350 FSL, 800 FEL
APACHE CORPORATION
1-2-2015

MEMO

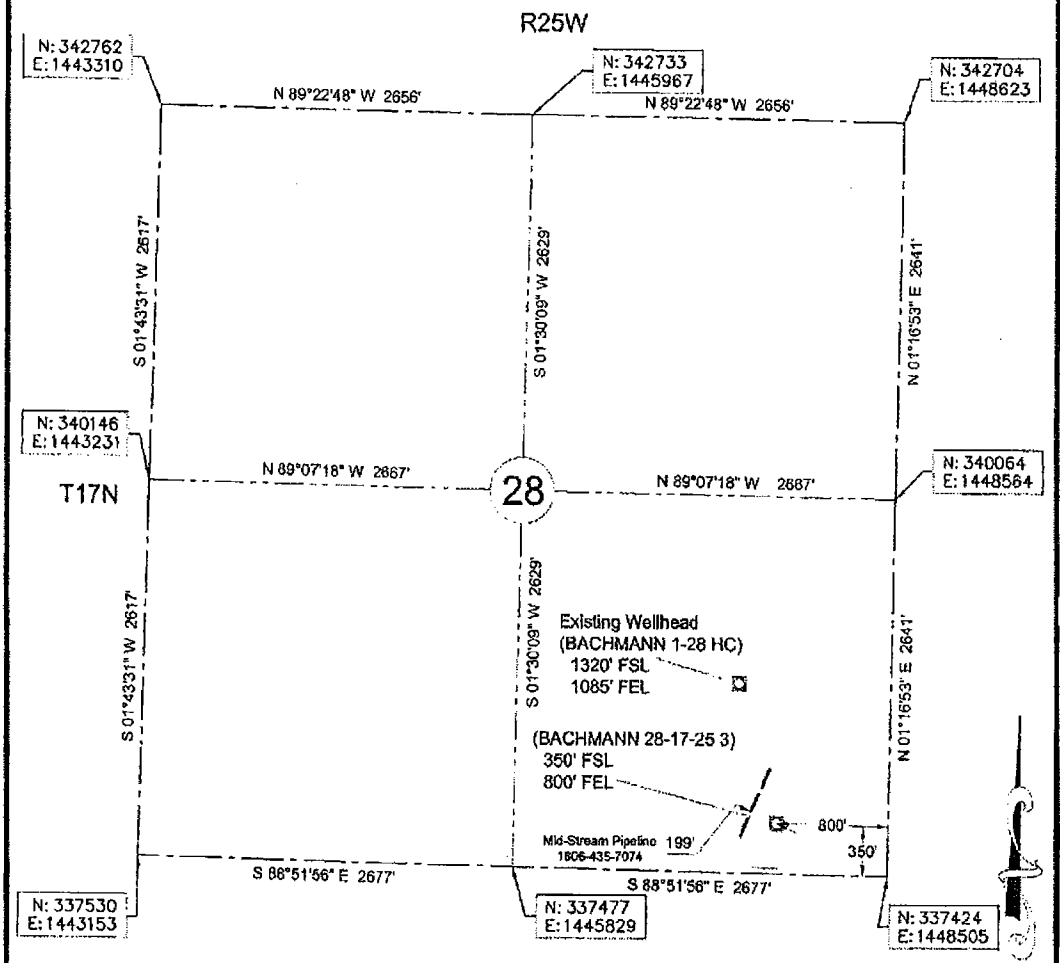
1/7/2015 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 134743

1/7/2015 - G91 - (640) 28-17N-25W
EXT OTHERS
EST OTHERS
EXT 95344/131575 SPRMW, OTHERS

129-24041

Roger Mills County, Oklahoma.
BHL 350' FSL - 800' FEL, Section 28, T 17 N, R 25 W.I.M.



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

Grid North
 Scale 1" = 1000'
Nad 27

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

OPERATOR: Apache Corporation WELL NO.: 3

LEASE NAME: Bachmann 28-17-25

BEST ACCESSIBILITY TO LOCATION: From the North
 DISTANCE & DIRECTION
 FROM HWY JCT OR TOWN: Beginning at the intersection of Hwy 33 and CR N1740 Rd, thence North on CR N1740 Rd a distance of 7.4 mi, thence East on an existing lease rd for a distance of 0.6 mi., then 350 feet South to location stake.

ELEVATION:
 2304' Gr. at stake



REVISION: _____ DATE OF DRAWING: DECEMBER 17, 2014
 INVOICE #: 19249 DATE STAKED: February 10, 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: 36°54'48.247"
 W: 99°51'54.498"
 LAT: 35.91340°
 LONG: -99.86514°
 STATE PLANE
 COORDINATES: (US FEET)
 ZONE: OK North
 X: 1447713
 Y: 337790

12-10-14
 [Signature]
 Survey is valid only if print has original seal and signature of Surveyor present

JVIDENS LAND SURVEY CO., INC. 1210 19TH STREET / P.O. BOX 943 WOODWARD, OKLAHOMA 73802 Phone 580-258-7174 - Fax 580-258-3424 roger@jvidenslandsurvey.com mlisa@jvidenslandsurvey.com	Survey For: Apache Corporation 6120 South Yale Avenue, Ste. 1500 Tulsa, Oklahoma 74136	JOB 748-14	DATE OF PLAT 12-18-2014	SCALE 1"=1000'	SHEET 1 OF 3
	DRAWN BY D.W.K.	OKLA. CA #2084, EXP. 06/30/2015 KANSAS CA #143, EXP. 12/31/2016			