

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

API NUMBER: 007 25697

Approval Date: 09/05/2014
Expiration Date: 03/05/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 2N Rge: 23ECM County: BEAVER

SPOT LOCATION: SW SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 225 1800

Lease Name: KACHEL FAMILY "A" Well No: 1-26H Well will be 225 feet from nearest unit or lease boundary.

Operator Name: UNIT PETROLEUM COMPANY Telephone: 9184937700; 9184937 OTC/OCC Number: 16711 0

UNIT PETROLEUM COMPANY
PO BOX 702500
TULSA, OK 74170-2500

KACHEL FAMILY LTD, C/O HAROLD KACHEL
HC 3, BOX 11
BEAVER OK 73932

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

Name	Depth	Name	Depth
1 MARMATON	6700	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 579285

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201405804
201405799
201405801
201405807

Special Orders:

Total Depth: 16504 Ground Elevation: 2712 Surface Casing: 1995 Depth to base of Treatable Water-Bearing FM: 560

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

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: 20000 Average: 6000

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: 14-28049
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 23 Twp 2N Rge 23E County BEAVER

Spot Location of End Point: NW NE NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1800

Depth of Deviation: 5960

Radius of Turn: 740

Direction: 360

Total Length: 9381

Measured Total Depth: 16504

True Vertical Depth: 6700

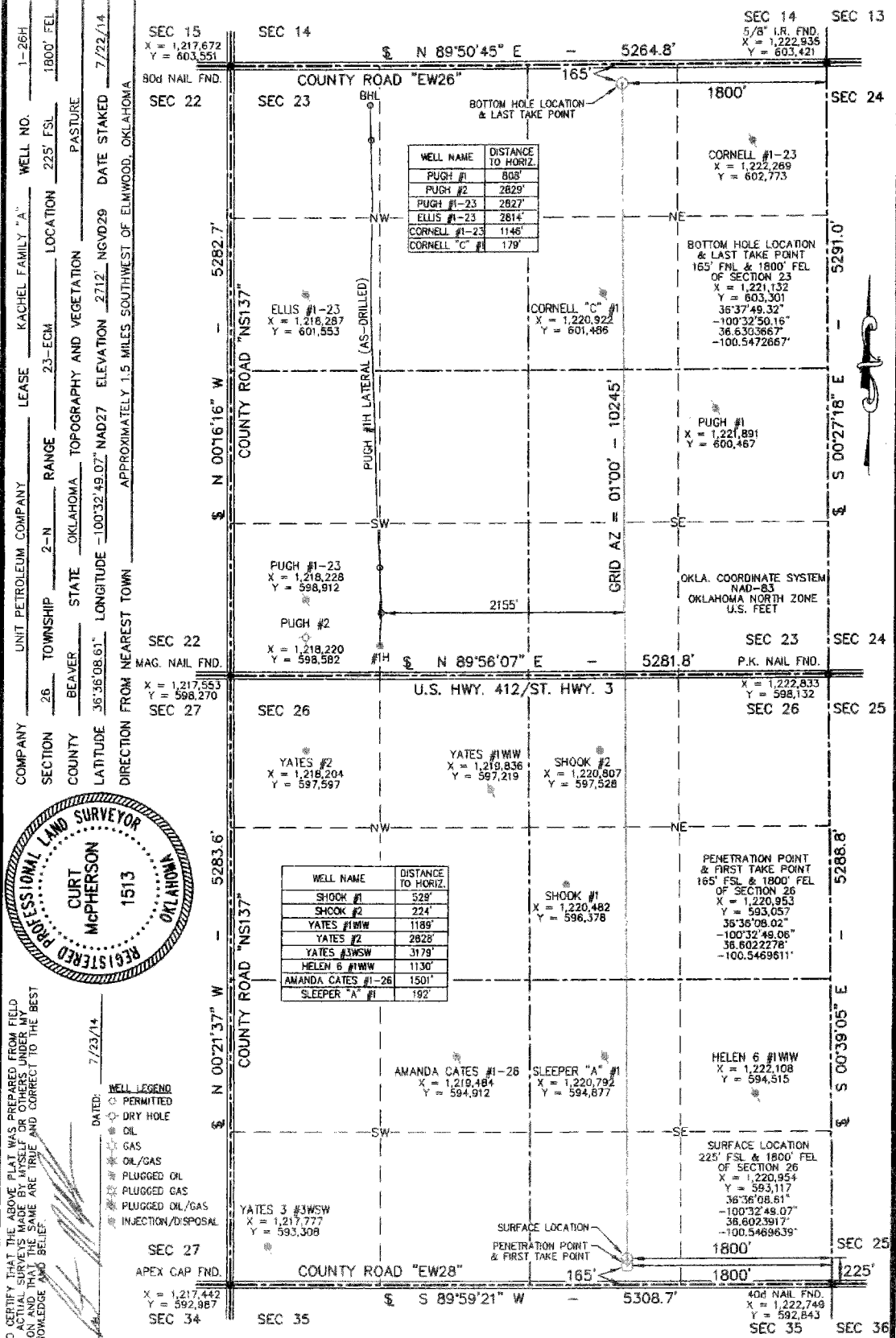
End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category	Description
DEEP SURFACE CASING	9/3/2014 - G76 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
PENDING CD - 201405799	9/5/2014 - G75 - (640)(HOR) 26-2N-23ECM VAC 77940/78789 MRMN 26-2N-23ECM EXT 604085/605320 MRMN COMPL. INT. NLT 660' FB HEARING 9-22-2014 (OK TO APPROVE ITD PER OCC GENERAL COUNSEL)
PENDING CD - 201405801	9/5/2014 - G75 - (I.O.) (640) 23 & 26-2N-23ECM X579285 MRMN 23-2N-23ECM X201405799 MRMN 26-2N-23ECM 50% 23-2N-23ECM 50% 26-2N-23ECM NO OP. NAMED HEARING 9-22-2014 (OK TO APPROVE ITD PER OCC GENERAL COUNSEL)
PENDING CD - 201405804	9/5/2014 - G75 - (I.O.) 23 & 26-2N-23ECM X579285 MRMN 23-2N-23ECM X201405799 MRMN 26-2N-23ECM SHL NCT 225 FSL, NCT 660 FEL 26-2N-23ECM COMPL. INT. (26-2N-23ECM) NCT 165 FSL, NCT 0 FNL, NCT 660 FEL COMPL. INT. (23-2N-23ECM) NCT 0 FSL, NCT 165 FNL, NCT 660 FEL NO OP. NAMED HEARING 9-22-2014 (OK TO APPROVE ITD PER OCC GENERAL COUNSEL)
PENDING CD - 201405807	9/5/2014 - G75 - 23-2N-23ECM X579285 MRMN 1 WELL NO OP. NAMED HEARING 9-22-2014 (OK TO APPROVE ITD PER OCC GENERAL COUNSEL)
SPACING - 579285	9/5/2014 - G75 - (640)(HOR) 23-2N-23ECM EST MRMN, OTHER COMPL. INT. NLT 660' FB

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PROPOSED NEW WELL LOCATION PLAT



UNIT PETROLEUM COMPANY LEASE KACHEL FAMILY "A" WELL NO. 1-26H
 SECTION 26 TOWNSHIP 2-N RANGE 23-ECM LOCATION 225' FSL 1800' FEL
 COUNTY BEAVER STATE OKLAHOMA TOPOGRAPHY AND VEGETATION PASTURE
 LATITUDE 36°36'08.61" LONGITUDE -100°32'49.07" NAD27 ELEVATION 2712' NGVD29 DATE STAKED 7/22/14
 DIRECTION FROM NEAREST TOWN APPROXIMATELY 1.5 MILES SOUTHWEST OF ELMWOOD, OKLAHOMA



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD ACTUAL SURVEYS MADE BY MYSELF OR OTHERS UNDER MY SUPERVISION AND BELIEVED TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNED: _____ DATED: 7/23/14

WELL LEGEND:
 ○ PERMITTED
 ○ DRY HOLE
 ○ OIL
 ○ GAS
 ○ OIL/GAS
 ○ PLUGGED OIL
 ○ PLUGGED GAS
 ○ PLUGGED OIL/GAS
 ○ INJECTION/DISPOSAL

WELL NAME	DISTANCE TO HORIZ.
PUGH #1	808'
PUGH #2	2829'
PUGH #1-23	2827'
ELLIS #1-23	2814'
CORNELL #1-23	1146'
CORNELL 'C' #1	179'

WELL NAME	DISTANCE TO HORIZ.
SHOOK #1	528'
SHOOK #2	224'
YATES #1#1W	1189'
YATES #2	2828'
YATES #3#1SW	3179'
HELEN 6 #1#1W	1130'
AMANDA CATES #1-26	1501'
SLEEPER "A" #1	192'



- NOTE:
- This plat is intended for Oklahoma Corporation Commission Permit purposes only and is NOT to be relied upon as a boundary survey and is NOT to be used to convey or establish real property interests.
 - Bearings and dimensions shown are based on Geodetic Azimuth and Ground distance. All X,Y coordinates are based on NAD27, Oklahoma North Zone, U.S. Feet.
 - X,Y Coordinates were derived from GPS RTK methods and are only accurate within +/- 10 Feet.

APEX
 SURVEYING & MAPPING, INC.
 TEXAS • OKLAHOMA • KANSAS
 8330 CANYON DRIVE
 AMARILLO, TEXAS 79119
 806-353-7231

UNIT PETROLEUM COMPANY
 A Subsidiary of Unit Corporation
 P.O. Box 188
 Booker, TX 79005

FIELD:	SL,CHRIS,GPS
DRAWN:	SDT
DATE:	7/23/14
CHECKED:	MLS
REVISION:	

JOB NO. 214-676-1