

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

API NUMBER: 151 24589

Approval Date: 01/06/2020

Expiration Date: 07/06/2021

Straight Hole

Disposal

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 23N Rge: 13W

County: WOODS

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1980 990

Lease Name: ELLEN SWD

Well No: 1

Well will be 660 feet from nearest unit or lease boundary.

Operator Name: CHOATE DISPOSAL SERVICES LLC

Telephone: 4056124249

OTC/OCC Number: 23594 0

CHOATE DISPOSAL SERVICES LLC
PO BOX 597
HENNESSEY, OK 73742-0597

ROBERT C THOMPSON
11721 HACKNEY LANE
YUKON OK 73099

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

	Name	Depth	Name	Depth
1	VIRGILIAN	4000	6	
2	MISSOURIAN	5600	7	
3	DES MO'SIAN	6050	8	
4	MISSISSIPPIAN	6500	9	
5	SIMPSON	7500	10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 8100

Ground Elevation: 0

Surface Casing: 600

Depth to base of Treatable Water-Bearing FM: 370

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

H. MIN. 20-MIL PIT LINER REQUIRED

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 1A

Liner required for Category: 1A

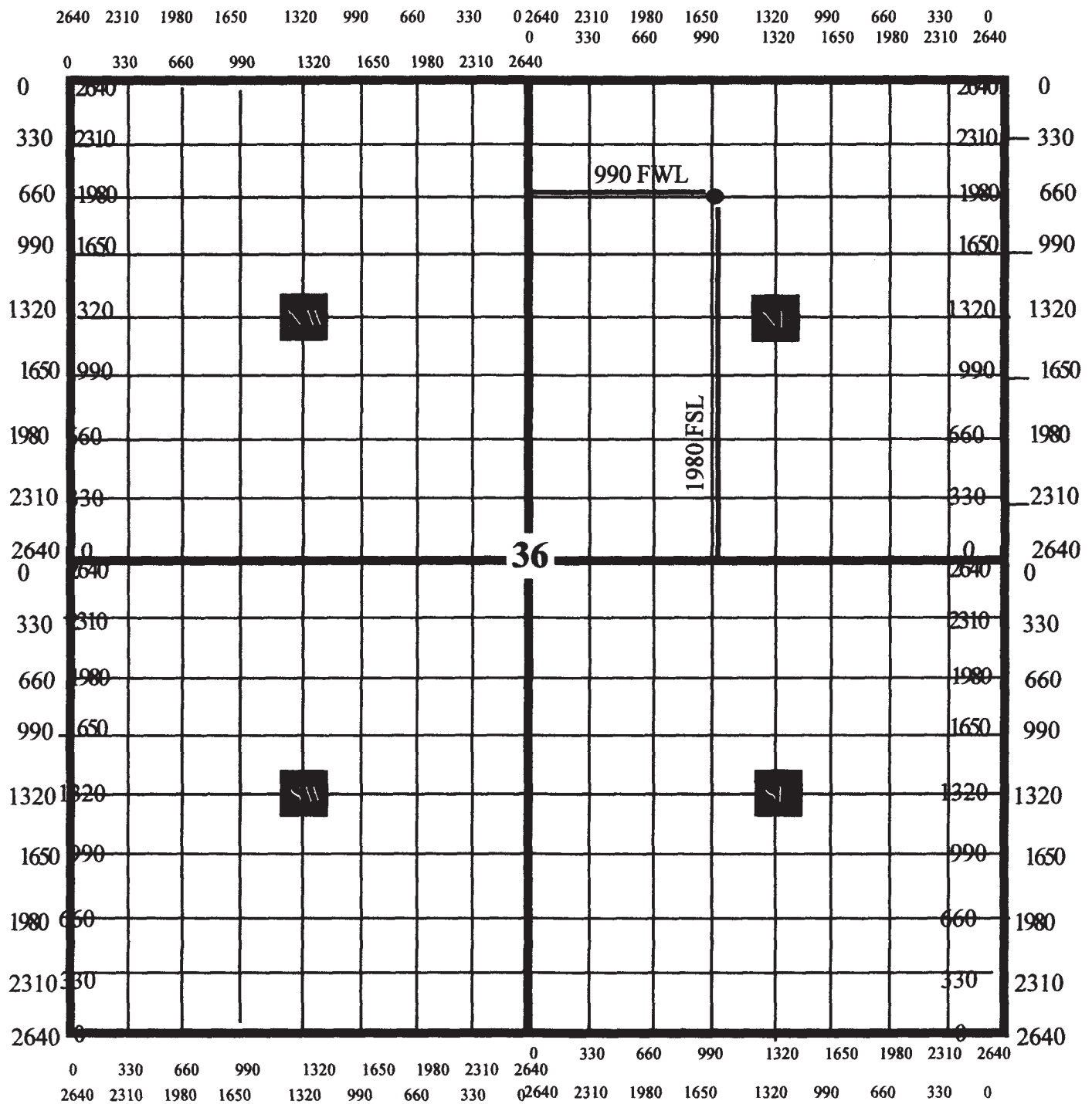
Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Notes:

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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.

Category	Description
HYDRAULIC FRACTURING	<p>12/16/2019 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;</p> <p>2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG</p>
PIT SYSTEM	1/6/2020 - G71 - FIELD RULE (ORDER) 287231 - 1A MIN. 20-MIL PIT LINER REQUIRED
PUBLIC WATER SUPPLY WELL	12/16/2019 - G71 - ENID - 1 PWS/WPA, SW/4 31-23N-12W
SPACING	12/16/2019 - G71 - N/A - DISPOSAL WELL



CHOATE DISPOSAL SERVICES LLC
ELLEN SWD 1 C E/2 NW NE 36-23N-13W WOODS COUNTY