

API NUMBER: 073 26826

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

Approval Date: 02/08/2022
Expiration Date: 08/08/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 01 Township: 16N Range: 8W County: KINGFISHER

SPOT LOCATION: SE NW NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 438 2232

Lease Name: DENNIS 1608 Well No: 5H-1X Well will be 438 feet from nearest unit or lease boundary.
Operator Name: OVINTIV USA INC Telephone: 2812105100 OTC/OCC Number: 21713 0

OVINTIV USA INC

THE WOODLANDS, TX 77380-3197

TARY DALE HELT AND CHARLOTTE ANN HELT

19138 N 2810 ROAD

KINGFISHER OK 73750

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	8083

Spacing Orders: 636608
711343

Location Exception Orders: 711345
711344
718064
718065

Increased Density Orders: 711439
711440
718050
718309
718051
718310

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 18429 Ground Elevation: 1159

Surface Casing: 500

Depth to base of Treatable Water-Bearing FM: 210

Deep surface casing has been approved

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)		PERMIT NO: 22-38094
E. Haul to Commercial pit facility	Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498	
H. (Other)	SEE MEMO	

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: CEDAR HILL

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is: BED AQUIFER

Pit Location Formation: CEDAR HILL

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.

MULTI UNIT HOLE 1

Section: 12	Township: 16N	Range: 8W	Meridian: IM	Total Length: 9845
County: KINGFISHER				Measured Total Depth: 18429
Spot Location of End Point: SW	SE	SE	SE	True Vertical Depth: 10000
Feet From: SOUTH	1/4 Section Line: 85		End Point Location from	
Feet From: EAST	1/4 Section Line: 380		Lease, Unit, or Property Line: 85	

NOTES:

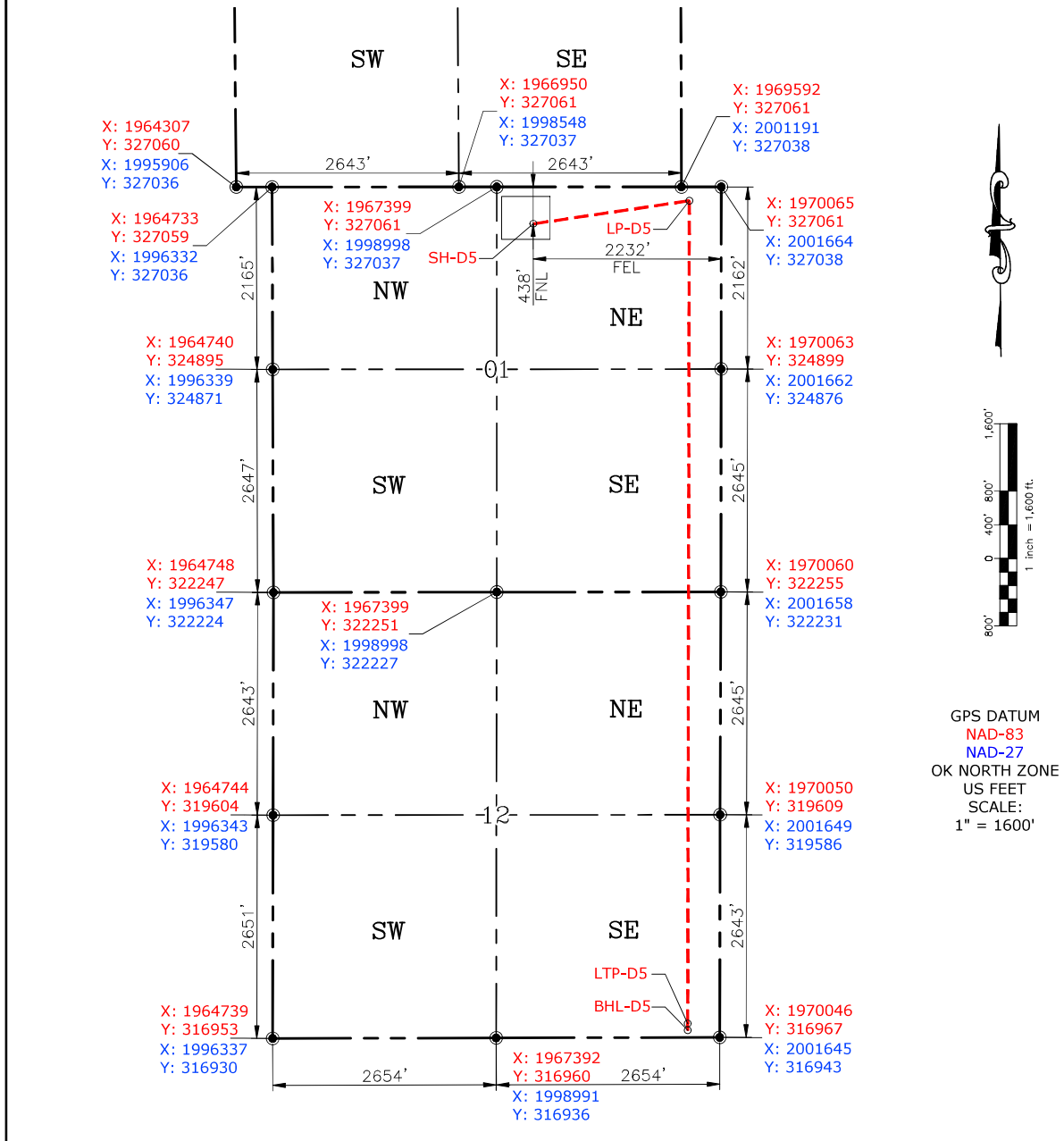
Category	Description
DEEP SURFACE CASING	[2/8/2022 - GC2] - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
EXCEPTION TO RULE - 711345	[2/8/2022 - G56] - (I.O.) 1 & 12-16N-8W X165:10-3-28(C)(2)(B) MSSP MAY BE CLOSER THAN 600' EXISTING AND/OR PROPOSED WELLS NO OP NAMED 5/6/2020
EXCEPTION TO RULE - 718065	[2/8/2022 - G56] - EXT OF TIME FOR ORDER # 711345
HYDRAULIC FRACTURING	[2/8/2022 - GC2] - OCC 165:10-3-10 REQUIRES: 1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN; 2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NH shall be used and is found at this link: OCCEWEB.COM/OG/OGFORMS.HTML ; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
INCREASED DENSITY - 711439	[2/8/2022 - G56] - 1-16N-8W X636608 MSSP 7 WELLS OVINTIV MID CON INC (MERGED IN IT'S ENTIRETY WITH OVINTIV USA INC) 5/8/2020
INCREASED DENSITY - 711440	[2/8/2022 - G56] - 12-16N-8W X636608 MSSP 7 WELLS OVINTIV MID CON INC (MERGED IN IT'S ENTIRETY WITH OVINTIV USA INC) 5/8/2020
INCREASED DENSITY - 718050	[2/8/2022 - G56] - EXT OF TIME FOR ORDER # 711439
INCREASED DENSITY - 718051	[2/8/2022 - G56] - EXT OF TIME FOR ORDER # 711440
INCREASED DENSITY - 718309	[2/8/2022 - G56] - NPT 718050 TO CORRECT LAST PARAGRAPH AS TO EXPIRATION DATE
INCREASED DENSITY - 718310	[2/8/2022 - G56] - NPT 718051 CORRECTING LAST PARAGRAPH AS TO EXPIRATION DATE
INTERMEDIATE CASING	[2/8/2022 - GC2] - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
LOCATION EXCEPTION - 711344	[2/8/2022 - G56] - (I.O.) 1 & 12-16N-8W X636608 MSSP, OTHER COMPL INT (1-16N-8W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL INT (12-16N-8W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL OVINTIV MID CON INC (MERGED IN IT'S ENTIRETY WITH OVINTIV USA INC) 5/6/2020
LOCATION EXCEPTION - 718064	[2/8/2022 - G56] - EXT OF TIME FOR ORDER # 711344

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.

MEMO	[2/8/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 636608	[2/8/2022 - G56] - (640)(HOR) 1 & 12-16N-8W EXT 622633 MSSP, OTHER COMPL INT NLT 660' FB (COEXIST WITH SP # 187657 CSTR, MNNG N2 1-16N-8W; # 187657/219790 CSTR, MNNG S2 1-16N-8W; # 79656 MSSLM N2 1-16N-8W; # 79656/219790 MSSLM S2 1-16N-8W; # 42491 MSCST 12-16N-8W; # 221170 MSSLM 12-16N-8W)
SPACING - 711343	[2/8/2022 - G56] - (I.O.) 1 & 12-16N-8W EST MULTIUNIT HORIZONTAL WELL X636608 MSSP, OTHER 50% 1-16N-8W 50% 12-16N-8W OVINTIV MID CON INC (MERGED IN IT'S ENTIRETY WITH OVINTIV USA INC) 5/6/2020

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073 26826 DENNIS 1608 5H-1X



PROPOSED SURFACE LOCATION

STATE PLANE COORDINATE - OK NORTH ZONE

NAD-83 X: 1967833 Y: 326623
NAD-27 X: 1999432 Y: 326599
GEOGRAPHIC NAD-83: LAT: N35.897274 LON: W98.002253
GEOGRAPHIC NAD-27: LAT: N35.897233 LON: W98.001919
NAT. GROUND ELEV. 1159.11'
CALLS: 438' FNL, 2232' FEL OF 1-16N-8W

PROPOSED LANDING POINT

STATE PLANE COORDINATE - OK NORTH ZONE

NAD-83 X: 1969666 Y: 326896
NAD-27 X: 2001284 Y: 326873
GEOGRAPHIC NAD-83: LAT: N35.898025 LON: W97.995999
GEOGRAPHIC NAD-27: LAT: N35.897983 LON: W97.995664
CALLS: 165' FNL, 380' FEL OF 1-16N-8W

PROPOSED LAST TAKE POINT

STATE PLANE COORDINATE - OK NORTH ZONE

NAD-83 X: 1969666 Y: 317131
NAD-27 X: 2001265 Y: 317107
GEOGRAPHIC NAD-83: LAT: N35.871198 LON: W97.996064
GEOGRAPHIC NAD-27: LAT: N35.870936 LON: W97.995731
CALLS: 165' FSL, 380' FEL OF 12-16N-8W

PROPOSED BOTTOM HOLE LOCATION

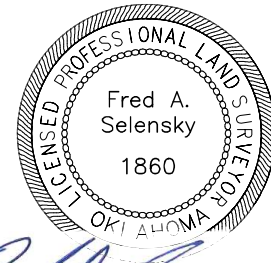
STATE PLANE COORDINATE - OK NORTH ZONE

NAD-83 X: 1969666 Y: 317051
NAD-27 X: 2001265 Y: 317027
GEOGRAPHIC NAD-83: LAT: N35.870979 LON: W97.996064
GEOGRAPHIC NAD-27: LAT: N35.870936 LON: W97.995731
CALLS: 85' FSL, 380' FEL OF 12-16N-8W

Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact PLS promptly if any inconsistency is determined. GPS data is observed from RTK-GPS. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true Boundary Survey.

CERTIFICATE:

I, FRED A. SELENSKY, an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.



Oklahoma PLS No. 1860 DATE 2-3-22

REVISIONS

No.	DATE	STAKED	BY	DESCRIPTION	COMMENTS
00	02-02-22	01-04-22	HDG	ISSUED FOR APPROVAL	--