Received by OCD: 8/30/2023 3:28:58 PM

Form 3160-4
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2021

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Competion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Zones ☐ Hydraulic Fracturing
Other: _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

8. Well Name and Well No.

3. Address

3a. Phone No. *(Include area code)*

9. API Well No.

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**
At surface

At top prod. interval reported below

At total depth

10. Field and Pool or Exploratory

11. Sec., T., R., M., on Block and Survey or Area

12. County or Parish

13. State

14. Date Spudded

15. Date T.D. Reached

16. Date Completed
☐ D & A ☐ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*

18. Total Depth: MD
TVD

19. Plug Back T.D.: MD
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☐ No ☐ Yes (Submit analysis)
Was DST run? ☐ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☐ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

24. Tubing Record

Size	Dept Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom
A)		
B)		
C)		
D)		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status

27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org when required by state or federal regulation

Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org as applicable

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

32. Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* _____ Title _____

Signature _____ Date _____

Title 18 U.S C. Section 1001 and Title 43 U.S C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wells on Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.
ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal office for specific instructions.
ITEM 17: Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
ITEM 23: Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48 (d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. et seq.; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.
ROUTINE USES: (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.
EFFECT OF NOT PROVIDING INFORMATION: Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.
This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.
Response to this request is mandatory only if the operator elects to initiate drilling and completing/recompleting operations on an oil and gas lease.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Additional Information
Location information: 00S1

SHL: SWSW / 912 FSL / 711 FWL / TWSP: 26S / RNG: 30E / SEC: 12 / LAT: 32.052491 / LONG: -103.840999
KOP: NWSW / 2589 FSL / 309 FWL / TWSP: 26S / RNG: 30E / SEC: 12 / LAT: 32.056978 / LONG: -103.841834
PPP: NWSW / 2260 FSL / 349 FWL / TWSP: 26S / RNG: 30E / SEC: 12 / LAT: 32.056071 / LONG: -103.8417
EXIT: SWSW / 368 FSL / 315 FWL / TWSP: 26S / RNG: 30E / SEC: 13 / LAT: 32.036243 / LONG: -103.84182
BHL: SWSW / 341 FSL / 315 FWL / TWSP: 26S / RNG: 30E / SEC: 13 / LAT: 32.036169 / LONG: -103.841822

Additional Production Tests for Intervals: 00S1
Interval: A Test: 2

Date First Produced: 03-19-2022, Test Date: 04-04-2022, Hours Tested: 24, Oil BBL: 739, Gas MCF: 2789, Water BBL: 4172, Oil Gravity Corr. API: 49.0, Gas Gravity: null, Production Method: FLOWS FROM WELL, Choke Size: null, Tbg. Press. Flwg. SI: null, Csg. Press.: 1550, Oil BBL: 739, Gas MCF: 2789, Water BBL: 4172, Gas/Oil Ratio: 3774

Summary of Porous Zones Information:

Formation: CHERRY CANYON, Descriptions, Contents, etc: null, Bottom: 4755
Formation: BRUSHY CANYON, Descriptions, Contents, etc: null, Bottom: 5969
Formation: BONE SPRING LIME, Descriptions, Contents, etc: null, Bottom: 7669
Formation: FIRST BONE SPRING SAND, Descriptions, Contents, etc: null, Bottom: 8607
Formation: BONE SPRING 2ND, Descriptions, Contents, etc: null, Bottom: 9312
Formation: BONE SPRING 3RD, Descriptions, Contents, etc: null, Bottom: 10562
Formation: WOLFCAMP, Descriptions, Contents, etc: null, Bottom: 10954

Attachments: 00S1

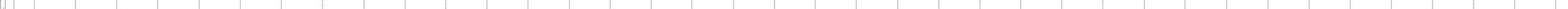
Log Attachments:
1) Dire_Wolf_12_Fed_714H_5_INCH_MD_20220407154636.pdf
2) Dire_Wolf_12_Fed_714H_Final_OH_Surveys_20220407154703.pdf
3) Dire_Wolf_12_Fed_714H_Final_PVA_20220407154718.pdf
4) C_102_DIRE_WOLF_12_FEDERAL_714H__20220407154729.pdf

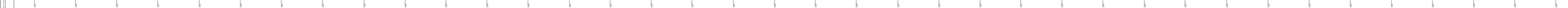
Dove Wolf 12 Fed #11-04

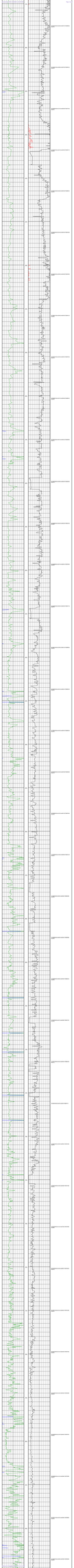
Operator: Dove Operating LLC
Lease: Dove Wolf 12 Fed #11-04
Location: 1980' FSL & 1980' FEL
Sec 12 T 21 S R 34 E
County: Lea
State: New Mexico
Elevation: GL: 3,543' KB: 3,568'
Spud Date: 10/17/2011
Completion Date: 11/14/2011
Surface Casing: 13 3/8" @ 1,400'
Intermediate Casing: 9 5/8" @ 4,500'
Production Casing: 5 1/2" @ 12,500'
Total Depth: 12,500'
Mud Logging Company: Cornerstone Mud Logging
Mud Logger: Jim Ellis
Mud Engineer: Jim Ellis
Mud Type: Fresh Water / Brine / Cut Brine
Mud Engineer: Jim Ellis
Mud Type: Fresh Water / Brine / Cut Brine

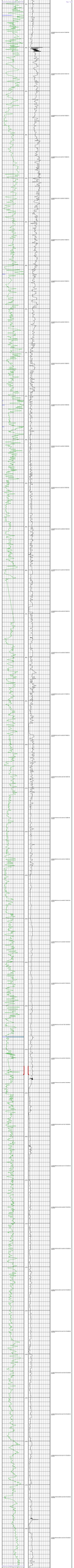
Bit Record									
Bit #	Size	Manufacturer	Type	Jets	In	Out	Footage	Hours	Avg ROP
1	17 1/2"	Smith	MSDSH	20/20/20/20/20	0'	1,400'	1,400'	23.5	59.6
2	12 1/4"	Smith	MSDSH	20/20/20/20/20	1,400'	4,500'	3,100'	78.5	39.5
3	8 3/4"	Smith	MSDSH	20/20/20/20/20	4,500'	12,500'	8,000'	192.5	41.6

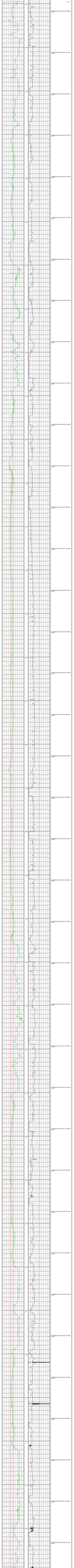
Bit #	Depth	Date	Time	Type	Wt	Vis	PV	YP	Gels	WL	HTHP	Cake	Solids	Sand	MBT	pH	Pm	Pf	Mf	Chl	Ca	Mg	Pm/Pf	Mf/Pf
1	0'	10/17/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
1	1,400'	10/18/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/19/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/20/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/21/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/22/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/23/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/24/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/25/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/26/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/27/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/28/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/29/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/30/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	10/31/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/01/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/02/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/03/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/04/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/05/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/06/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/07/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/08/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/09/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/10/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/11/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/12/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/13/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														
2	1,400'	11/14/2011	12:00	Fresh Water	8.4	28	NC	NC	NC	NC														

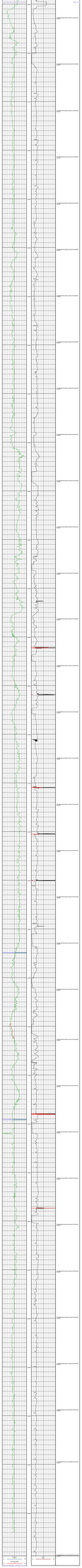








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Gamma Ray
Caliper
Density Porosity
Neutron Porosity
Resistivity
Depth
Formation Density
Neutron Porosity
Caliper
Gamma Ray
Resistivity
Depth

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Midland

Eddy County, NM (NAD 83 NME)
Dire Wolf 12 Fed
#714H
OH

Design: OH

Final PVA

10 January, 2022

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Final PVA

Company:	Midland	**Local Co-ordinate Reference:**	Well #714H
Project:	Eddy County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3215.0usft
Site:	Dire Wolf 12 Fed	**MD Reference:**	KB = 26' @ 3215.0usft
Well:	#714H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Project: Eddy County, NM (NAD 83 NME)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site: Dire Wolf 12 Fed

Site Position:		**Northing:**	384,633.00 usft	**Latitude:**	32° 3' 23.153 N
From:	Map	**Easting:**	697,688.00 usft	**Longitude:**	103° 49' 43.144 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.27 °

Well: #714H

Well Position	**+N/-S**	0.0 usft	**Northing:**	383,182.00 usft	**Latitude:**	32° 3' 8.968 N
	+E/-W	0.0 usft	**Easting:**	693,869.00 usft	**Longitude:**	103° 50' 27.597 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,189.0 usft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	12/25/2021	6.59	59.69	47,311.55367849

Design: OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	183.50

Survey Program — Date 1/10/2022

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
182.0	18,688.0	Driltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1

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Final PVA

Company:	Midland	**Local Co-ordinate Reference:**	Well #714H
Project:	Eddy County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3215.0usft
Site:	Dire Wolf 12 Fed	**MD Reference:**	KB = 26' @ 3215.0usft
Well:	#714H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
182.0	0.88	260.52	182.0	-0.2	-1.4	0.48	0.48	0.00	-1.4	0.0
297.0	1.05	252.69	297.0	-0.7	-3.3	0.19	0.15	-6.81	-3.3	-0.3
356.0	1.14	249.00	356.0	-1.1	-4.3	0.19	0.15	-6.25	-4.4	-0.6
413.0	1.23	242.85	413.0	-1.5	-5.4	0.27	0.16	-10.79	-5.5	-1.1
472.0	1.32	238.46	471.9	-2.2	-6.5	0.23	0.15	-7.44	-6.7	-1.6
560.0	1.41	238.63	559.9	-3.3	-8.3	0.10	0.10	0.19	-8.8	-1.5
658.0	1.58	245.93	657.9	-4.5	-10.6	0.26	0.17	7.45	-11.5	-0.2
753.0	1.76	247.33	752.8	-5.6	-13.1	0.19	0.19	1.47	-14.3	0.1
849.0	1.76	245.05	848.8	-6.7	-15.8	0.07	0.00	-2.37	-17.2	-0.6
944.0	1.67	236.17	943.8	-8.1	-18.3	0.29	-0.09	-9.35	-19.7	-3.4
1,016.0	1.58	227.47	1,015.7	-9.4	-19.9	0.36	-0.12	-12.08	-21.0	-6.5
1,140.0	0.70	178.34	1,139.7	-11.3	-21.1	1.00	-0.71	-39.62	-10.7	-21.5
1,235.0	3.08	355.44	1,234.7	-9.3	-21.3	3.98	2.51	186.42	7.8	22.0
1,330.0	6.24	355.70	1,329.3	-1.6	-21.9	3.33	3.33	0.27	2.9	21.5
1,425.0	8.96	356.93	1,423.5	10.9	-22.7	2.87	2.86	1.29	-3.5	20.6
1,521.0	10.90	357.02	1,518.1	27.4	-23.6	2.02	2.02	0.09	-11.1	19.0
1,616.0	13.01	1.41	1,611.0	47.1	-23.8	2.42	2.22	4.62	-17.6	17.5
1,711.0	15.29	355.96	1,703.1	70.3	-24.4	2.78	2.40	-5.74	-27.4	12.4
1,806.0	17.23	347.61	1,794.3	96.5	-28.3	3.19	2.04	-8.79	-37.2	6.3
1,902.0	18.72	346.65	1,885.6	125.4	-34.9	1.58	1.55	-1.00	-45.4	5.6
1,997.0	21.45	347.79	1,974.8	157.2	-42.1	2.90	2.87	1.20	-53.7	6.4
2,091.0	21.62	345.95	2,062.3	190.8	-49.9	0.74	0.18	-1.96	-61.4	4.7
2,186.0	20.83	343.48	2,150.8	224.0	-59.0	1.26	-0.83	-2.60	-65.4	3.4
2,281.0	20.30	342.52	2,239.8	255.9	-68.7	0.66	-0.56	-1.01	-65.1	4.8
2,377.0	17.67	337.60	2,330.6	285.3	-79.3	3.20	-2.74	-5.12	-59.3	4.4
2,471.0	17.49	338.56	2,420.2	311.6	-89.9	0.36	-0.19	1.02	-48.0	11.4

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Final PVA

Company:	Midland	**Local Co-ordinate Reference:**	Well #714H
Project:	Eddy County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3215.0usft
Site:	Dire Wolf 12 Fed	**MD Reference:**	KB = 26' @ 3215.0usft
Well:	#714H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
2,566.0	19.60	344.01	2,510.2	340.2	-99.5	2.87	2.22	5.74	-33.5	19.1
2,660.0	19.95	344.27	2,598.7	370.8	-108.2	0.38	0.37	0.28	-21.5	21.3
2,756.0	20.30	346.47	2,688.8	402.8	-116.5	0.87	0.36	2.29	-9.0	23.1
2,851.0	18.81	350.87	2,778.4	433.9	-122.8	2.20	-1.57	4.63	5.1	22.0
2,945.0	18.46	352.62	2,867.4	463.6	-127.1	0.70	-0.37	1.86	19.3	18.2
3,040.0	19.16	356.05	2,957.4	494.1	-130.1	1.38	0.74	3.61	33.6	11.3
3,136.0	20.65	358.78	3,047.6	526.7	-131.6	1.83	1.55	2.84	45.3	1.7
3,231.0	19.25	0.01	3,136.9	559.1	-131.9	1.54	-1.47	1.29	56.2	-8.5
3,326.0	18.72	0.54	3,226.7	590.1	-131.8	0.59	-0.56	0.56	68.5	-18.9
3,420.0	21.18	357.28	3,315.1	622.1	-132.5	2.87	2.62	-3.47	80.6	-23.8
3,515.0	19.69	359.83	3,404.1	655.3	-133.3	1.83	-1.57	2.68	89.6	-35.9
3,610.0	20.30	1.68	3,493.4	687.7	-132.9	0.92	0.64	1.95	99.1	-48.9
3,706.0	21.53	359.30	3,583.1	722.0	-132.6	1.56	1.28	-2.48	110.4	-55.0
3,800.0	20.92	349.79	3,670.7	755.8	-135.8	3.72	-0.65	-10.12	127.1	-43.1
3,896.0	18.98	346.80	3,761.0	787.8	-142.4	2.28	-2.02	-3.11	141.0	-38.0
3,992.0	17.49	345.07	3,852.1	817.0	-149.7	1.65	-1.55	-1.80	156.8	-33.2
4,087.0	19.69	345.51	3,942.2	846.3	-157.4	2.32	2.32	0.46	170.7	-32.9
4,182.0	20.04	345.33	4,031.5	877.5	-165.5	0.37	0.37	-0.19	182.8	-31.2
4,277.0	19.69	345.95	4,120.9	908.8	-173.5	0.43	-0.37	0.65	194.5	-32.0
4,372.0	19.51	345.15	4,210.4	939.6	-181.5	0.34	-0.19	-0.84	207.3	-28.4
4,467.0	19.42	345.07	4,299.9	970.2	-189.6	0.10	-0.09	-0.08	220.0	-26.6
4,562.0	18.19	344.63	4,389.9	999.8	-197.6	1.30	-1.29	-0.46	233.9	-23.5
4,657.0	19.95	346.38	4,479.6	1,029.8	-205.3	1.95	1.85	1.84	246.5	-28.9
4,752.0	21.09	347.97	4,568.6	1,062.3	-212.7	1.34	1.20	1.67	256.7	-35.2
4,847.0	19.86	347.00	4,657.6	1,094.8	-219.9	1.34	-1.29	-1.02	268.2	-31.6
4,942.0	17.75	345.59	4,747.5	1,124.5	-227.1	2.27	-2.22	-1.48	282.6	-25.2
5,037.0	18.72	344.80	4,837.8	1,153.2	-234.7	1.05	1.02	-0.83	297.3	-20.0

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Company:	Midland	**Local Co-ordinate Reference:**	Well #714H
Project:	Eddy County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3215.0usft
Site:	Dire Wolf 12 Fed	**MD Reference:**	KB = 26' @ 3215.0usft
Well:	#714H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
5,131.0	21.36	344.45	4,926.1	1,184.3	-243.3	2.81	2.81	-0.37	306.2	-16.3
5,226.0	21.18	344.54	5,014.6	1,217.5	-252.5	0.19	-0.19	0.09	309.5	-14.9
5,322.0	22.06	344.98	5,103.8	1,251.6	-261.8	0.93	0.92	0.46	308.5	-15.6
5,417.0	22.59	344.63	5,191.7	1,286.5	-271.3	0.58	0.56	-0.37	303.1	-12.5
5,512.0	21.53	343.57	5,279.8	1,320.8	-281.0	1.19	-1.12	-1.12	294.7	-5.6
5,607.0	21.27	342.96	5,368.2	1,354.0	-291.0	0.36	-0.27	-0.64	283.7	-0.9
5,702.0	20.74	341.81	5,456.9	1,386.4	-301.3	0.71	-0.56	-1.21	269.8	6.5
5,798.0	19.95	346.03	5,546.9	1,418.5	-310.6	1.74	-0.82	4.40	253.4	-11.7
5,894.0	18.54	349.29	5,637.6	1,449.4	-317.4	1.85	-1.47	3.40	234.5	-25.8
5,988.0	18.72	348.41	5,726.6	1,478.8	-323.2	0.36	0.19	-0.94	215.1	-22.9
6,084.0	18.02	349.29	5,817.7	1,508.5	-329.0	0.78	-0.73	0.92	191.6	-26.5
6,179.0	14.94	351.22	5,908.8	1,535.1	-333.6	3.29	-3.24	2.03	167.7	-32.8
6,275.0	15.21	349.11	6,001.5	1,559.6	-337.9	0.64	0.28	-2.20	144.7	-27.1
6,370.0	14.24	348.14	6,093.4	1,583.3	-342.6	1.05	-1.02	-1.02	121.0	-24.7
6,465.0	13.18	347.88	6,185.7	1,605.3	-347.3	1.12	-1.12	-0.27	98.6	-24.1
6,560.0	11.87	347.44	6,278.4	1,625.5	-351.7	1.38	-1.38	-0.46	78.2	-23.2
6,655.0	11.60	348.05	6,371.4	1,644.4	-355.8	0.31	-0.28	0.64	58.6	-23.9
6,750.0	9.40	354.03	6,464.8	1,661.4	-358.6	2.58	-2.32	6.29	38.6	-28.8
6,845.0	6.86	352.54	6,558.9	1,674.8	-360.2	2.68	-2.67	-1.57	26.0	-27.8
6,940.0	6.86	351.83	6,653.2	1,686.0	-361.7	0.09	0.00	-0.75	15.0	-27.5
7,035.0	5.27	352.80	6,747.7	1,695.9	-363.0	1.68	-1.67	1.02	4.5	-27.6
7,130.0	4.22	353.42	6,842.3	1,703.7	-364.0	1.11	-1.11	0.65	-3.6	-27.6
7,225.0	2.64	3.96	6,937.2	1,709.4	-364.2	1.78	-1.66	11.09	-14.2	-25.8
7,319.0	2.90	358.16	7,031.1	1,713.9	-364.2	0.41	0.28	-6.17	-16.1	-27.4
7,415.0	1.05	322.65	7,127.0	1,717.1	-364.8	2.22	-1.93	-36.99	0.0	-33.0
7,509.0	1.14	273.35	7,221.0	1,717.8	-366.2	0.98	0.10	-52.45	23.5	-22.2
7,605.0	1.05	269.74	7,317.0	1,717.9	-368.1	0.12	-0.09	-3.76	23.0	-20.8

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Company:	Midland	**Local Co-ordinate Reference:**	Well #714H
Project:	Eddy County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3215.0usft
Site:	Dire Wolf 12 Fed	**MD Reference:**	KB = 26' @ 3215.0usft
Well:	#714H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
7,701.0	1.41	262.10	7,412.9	1,717.7	-370.1	0.41	0.37	-7.96	23.5	-17.6
7,796.0	1.41	261.48	7,507.9	1,717.4	-372.4	0.02	0.00	-0.65	21.4	-17.4
7,891.0	1.32	261.83	7,602.9	1,717.0	-374.7	0.10	-0.09	0.37	19.0	-17.5
7,986.0	1.32	249.44	7,697.9	1,716.5	-376.8	0.30	0.00	-13.04	20.2	-13.3
8,082.0	1.14	245.66	7,793.8	1,715.7	-378.7	0.21	-0.19	-3.94	18.9	-12.0
8,177.0	0.79	236.96	7,888.8	1,715.0	-380.1	0.40	-0.37	-9.16	18.9	-9.1
8,272.0	0.88	223.95	7,983.8	1,714.1	-381.2	0.22	0.09	-13.69	19.1	-4.8
8,367.0	1.32	241.44	8,078.8	1,713.0	-382.6	0.58	0.46	18.41	15.0	-10.1
8,462.0	0.88	251.55	8,173.8	1,712.3	-384.3	0.50	-0.46	10.64	11.2	-12.4
8,558.0	1.23	276.69	8,269.8	1,712.2	-386.0	0.60	0.36	26.19	3.2	-15.6
8,653.0	1.32	270.27	8,364.7	1,712.3	-388.1	0.18	0.09	-6.76	2.8	-15.3
8,748.0	0.97	259.29	8,459.7	1,712.1	-390.0	0.43	-0.37	-11.56	3.8	-14.7
8,843.0	0.79	230.54	8,554.7	1,711.6	-391.3	0.50	-0.19	-30.26	9.0	-11.4
8,938.0	0.44	261.39	8,649.7	1,711.1	-392.1	0.49	-0.37	32.47	1.0	-14.1
9,032.0	0.79	220.97	8,743.7	1,710.6	-392.9	0.57	0.37	-43.00	9.0	-10.4
9,127.0	0.70	219.91	8,838.7	1,709.6	-393.7	0.10	-0.09	-1.12	7.9	-10.2
9,222.0	0.62	222.55	8,933.7	1,708.8	-394.5	0.09	-0.08	2.78	6.4	-10.5
9,317.0	0.97	238.63	9,028.7	1,708.0	-395.5	0.43	0.37	16.93	1.9	-11.7
9,412.0	1.67	241.18	9,123.7	1,706.9	-397.4	0.74	0.74	2.68	-0.8	-11.8
9,507.0	0.97	255.86	9,218.6	1,706.1	-399.4	0.81	-0.74	15.45	-5.9	-10.8
9,601.0	2.37	223.43	9,312.6	1,704.4	-401.5	1.74	1.49	-34.50	-1.8	-12.7
9,696.0	1.58	232.39	9,407.5	1,702.2	-403.9	0.89	-0.83	9.43	-7.0	-12.0
9,791.0	1.76	236.96	9,502.5	1,700.6	-406.1	0.24	0.19	4.81	-10.7	-11.3
9,886.0	2.02	227.47	9,597.4	1,698.7	-408.6	0.43	0.27	-9.99	-11.8	-13.1
9,981.0	0.97	230.28	9,692.4	1,697.1	-410.4	1.11	-1.11	2.96	-14.9	-12.5
10,076.0	0.88	227.38	9,787.4	1,696.0	-411.6	0.11	-0.09	-3.05	-15.8	-13.2
10,170.0	1.49	216.13	9,881.4	1,694.6	-412.9	0.69	0.65	-11.97	-14.8	-16.2

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Company:	Midland	**Local Co-ordinate Reference:**	Well #714H
Project:	Eddy County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3215.0usft
Site:	Dire Wolf 12 Fed	**MD Reference:**	KB = 26' @ 3215.0usft
Well:	#714H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
10,265.0	1.93	192.14	9,976.3	1,692.0	-413.9	0.87	0.46	-25.25	-9.7	-21.4
10,360.0	1.41	180.97	10,071.3	1,689.3	-414.3	0.64	-0.55	-11.76	-8.1	-23.1
10,455.0	1.67	168.58	10,166.3	1,686.7	-414.0	0.44	0.27	-13.04	-5.5	-24.6
10,550.0	1.23	185.72	10,261.2	1,684.4	-413.8	0.65	-0.46	18.04	-14.8	-21.5
10,645.0	1.23	177.99	10,356.2	1,682.3	-413.9	0.17	0.00	-8.14	-13.8	-23.4
10,722.0	1.23	183.52	10,433.2	1,680.7	-413.9	0.15	0.00	7.18	-17.7	-21.9
10,778.0	1.32	199.43	10,489.2	1,679.5	-414.2	0.65	0.16	28.41	-24.2	-16.0
10,845.0	4.96	174.54	10,556.1	1,675.9	-414.2	5.68	5.44	-37.14	-18.8	-25.1
KOP, MD:10845.0', TVD:10556.1',N/S:1675.9', E/W:-414.2', INC:4.96										
10,874.0	6.60	172.45	10,584.9	1,673.0	-413.8	5.68	5.64	-7.22	-20.7	-25.9
10,969.0	24.09	171.75	10,676.2	1,648.2	-410.3	18.41	18.41	-0.74	-40.0	-25.9
11,064.0	34.29	168.67	10,759.0	1,602.6	-402.2	10.85	10.74	-3.24	-62.5	-23.6
11,159.0	39.57	166.12	10,834.9	1,547.0	-389.7	5.79	5.56	-2.68	-78.0	-14.8
11,254.0	48.01	173.42	10,903.5	1,482.4	-378.4	10.34	8.88	7.68	-83.1	5.6
11,337.3	56.25	177.32	10,954.6	1,416.9	-373.2	10.56	9.90	4.69	-79.4	15.0
FTP Crossing, MD:11337.3', TVD:10954.6',N/S:1416.9', E/W:-373.2', INC:56.25										
11,349.0	57.42	177.81	10,961.0	1,407.1	-372.8	10.56	9.97	4.15	-78.5	15.8
11,444.0	61.03	179.39	11,009.6	1,325.5	-370.8	4.06	3.80	1.66	-62.5	19.1
11,539.0	67.62	177.55	11,050.7	1,240.0	-368.5	7.15	6.94	-1.94	-34.3	21.4
11,634.0	75.18	177.37	11,081.0	1,150.1	-364.5	7.96	7.96	-0.19	-4.8	24.3
11,729.0	88.99	176.58	11,094.1	1,056.4	-359.5	14.56	14.54	-0.83	8.7	28.9
11,823.0	88.81	178.43	11,095.9	962.5	-355.4	1.98	-0.19	1.97	10.8	32.7
11,918.0	90.31	184.49	11,096.6	867.6	-357.9	6.57	1.58	6.38	11.9	29.8
12,013.0	89.52	186.51	11,096.7	773.0	-367.0	2.28	-0.83	2.13	12.4	20.3
12,108.0	89.60	186.60	11,097.5	678.6	-377.8	0.13	0.08	0.09	13.4	9.1
12,203.0	90.13	186.25	11,097.7	584.2	-388.4	0.67	0.56	-0.37	14.0	-1.8
12,298.0	87.05	181.85	11,100.0	489.5	-395.2	5.65	-3.24	-4.63	16.6	-8.9

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Company:	Midland	**Local Co-ordinate Reference:**	Well #714H
Project:	Eddy County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3215.0usft
Site:	Dire Wolf 12 Fed	**MD Reference:**	KB = 26' @ 3215.0usft
Well:	#714H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,392.0	94.35	179.30	11,098.9	395.6	-396.1	8.23	7.77	-2.71	15.8	-10.3
12,488.0	91.19	180.45	11,094.2	299.7	-395.9	3.50	-3.29	1.20	11.5	-10.4
12,582.0	88.11	181.06	11,094.8	205.8	-397.1	3.34	-3.28	0.65	12.4	-12.0
12,677.0	94.09	183.52	11,093.0	110.9	-400.9	6.81	6.29	2.59	11.0	-16.2
12,772.0	86.70	182.47	11,092.3	16.1	-405.9	7.86	-7.78	-1.11	10.5	-21.6
12,867.0	85.65	178.60	11,098.7	-78.7	-406.8	4.21	-1.11	-4.07	17.3	-22.8
12,962.0	91.36	178.69	11,101.2	-173.6	-404.5	6.01	6.01	0.09	20.1	-20.9
13,057.0	90.31	179.57	11,099.8	-268.5	-403.1	1.44	-1.11	0.93	19.0	-19.8
13,152.0	90.57	180.71	11,099.0	-363.5	-403.3	1.23	0.27	1.20	18.6	-20.5
13,248.0	91.10	180.36	11,097.6	-459.5	-404.2	0.66	0.55	-0.36	17.6	-21.7
13,343.0	90.57	180.36	11,096.3	-554.5	-404.8	0.56	-0.56	0.00	16.5	-22.7
13,437.0	90.40	180.36	11,095.5	-648.5	-405.4	0.18	-0.18	0.00	16.1	-23.7
13,533.0	89.78	179.83	11,095.3	-744.5	-405.6	0.85	-0.65	-0.55	16.2	-24.2
13,628.0	89.25	180.45	11,096.1	-839.5	-405.8	0.86	-0.56	0.65	17.4	-24.8
13,723.0	90.66	178.51	11,096.2	-934.5	-404.9	2.52	1.48	-2.04	17.8	-24.3
13,818.0	90.31	175.88	11,095.4	-1,029.4	-400.3	2.79	-0.37	-2.77	17.3	-20.0
13,913.0	93.30	176.05	11,092.4	-1,124.1	-393.6	3.15	3.15	0.18	14.6	-13.8
14,008.0	93.83	175.35	11,086.5	-1,218.6	-386.5	0.92	0.56	-0.74	9.1	-7.0
14,103.0	91.80	177.11	11,081.8	-1,313.3	-380.3	2.83	-2.14	1.85	4.7	-1.1
14,198.0	91.28	177.37	11,079.3	-1,408.1	-375.7	0.61	-0.55	0.27	2.5	3.0
14,294.0	88.37	177.72	11,079.6	-1,504.1	-371.6	3.05	-3.03	0.36	3.1	6.8
14,389.0	86.53	177.99	11,083.8	-1,598.9	-368.0	1.96	-1.94	0.28	7.7	10.0
14,484.0	88.29	177.37	11,088.1	-1,693.7	-364.2	1.96	1.85	-0.65	12.3	13.4
14,579.0	90.57	178.60	11,089.0	-1,788.6	-360.8	2.73	2.40	1.29	13.6	16.4
14,674.0	92.59	179.48	11,086.4	-1,883.6	-359.2	2.32	2.13	0.93	11.3	17.6
14,769.0	91.63	179.39	11,082.9	-1,978.5	-358.3	1.01	-1.01	-0.09	8.2	18.2
14,864.0	89.60	178.25	11,081.9	-2,073.5	-356.4	2.45	-2.14	-1.20	7.5	19.8

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Company:	Midland	**Local Co-ordinate Reference:**	Well #714H
Project:	Eddy County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3215.0usft
Site:	Dire Wolf 12 Fed	**MD Reference:**	KB = 26' @ 3215.0usft
Well:	#714H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,959.0	89.16	178.87	11,082.9	-2,168.4	-354.0	0.80	-0.46	0.65	8.8	21.8
15,055.0	87.49	179.22	11,085.7	-2,264.4	-352.4	1.78	-1.74	0.36	12.0	23.0
15,149.0	92.24	181.50	11,085.9	-2,358.3	-353.0	5.60	5.05	2.43	12.5	22.0
15,244.0	91.89	180.27	11,082.5	-2,453.3	-354.4	1.35	-0.37	-1.29	9.4	20.2
15,339.0	89.52	180.71	11,081.4	-2,548.3	-355.2	2.54	-2.49	0.46	8.6	19.0
15,434.0	93.65	182.03	11,078.7	-2,643.2	-357.5	4.56	4.35	1.39	6.3	16.4
15,529.0	94.26	182.21	11,072.2	-2,737.9	-361.0	0.67	0.64	0.19	0.1	12.5
15,624.0	91.63	181.06	11,067.3	-2,832.7	-363.7	3.02	-2.77	-1.21	-4.5	9.4
15,720.0	89.52	181.41	11,066.3	-2,928.7	-365.8	2.23	-2.20	0.36	-5.1	6.9
15,815.0	91.10	181.41	11,065.8	-3,023.6	-368.1	1.66	1.66	0.00	-5.3	4.2
15,910.0	89.96	180.62	11,064.9	-3,118.6	-369.8	1.46	-1.20	-0.83	-5.8	2.2
16,005.0	88.99	179.92	11,065.8	-3,213.6	-370.2	1.26	-1.02	-0.74	-4.6	1.3
16,100.0	90.57	181.41	11,066.2	-3,308.6	-371.4	2.29	1.66	1.57	-3.9	-0.1
16,195.0	90.48	181.33	11,065.3	-3,403.6	-373.6	0.13	-0.09	-0.08	-4.4	-2.8
16,290.0	89.25	182.03	11,065.5	-3,498.5	-376.4	1.49	-1.29	0.74	-3.9	-5.9
16,385.0	90.48	183.79	11,065.7	-3,593.4	-381.2	2.26	1.29	1.85	-3.3	-11.1
16,480.0	90.84	181.85	11,064.7	-3,688.3	-385.9	2.08	0.38	-2.04	-4.1	-16.2
16,575.0	89.69	180.97	11,064.2	-3,783.2	-388.2	1.52	-1.21	-0.93	-4.2	-18.9
16,670.0	91.54	180.53	11,063.2	-3,878.2	-389.5	2.00	1.95	-0.46	-4.9	-20.5
16,764.0	93.91	180.27	11,058.7	-3,972.1	-390.1	2.54	2.52	-0.28	-9.0	-21.6
16,860.0	93.21	179.75	11,052.8	-4,067.9	-390.2	0.91	-0.73	-0.54	-14.6	-21.9
16,955.0	91.36	178.34	11,049.0	-4,162.8	-388.6	2.45	-1.95	-1.48	-18.1	-20.7
17,050.0	88.99	177.72	11,048.7	-4,257.8	-385.3	2.58	-2.49	-0.65	-18.1	-17.8
17,145.0	90.57	178.34	11,049.1	-4,352.7	-382.0	1.79	1.66	0.65	-17.4	-14.9
17,240.0	91.28	177.99	11,047.5	-4,447.6	-379.0	0.83	0.75	-0.37	-18.6	-12.3
17,335.0	89.25	175.26	11,047.1	-4,542.5	-373.4	3.58	-2.14	-2.87	-18.7	-7.0
17,430.0	92.51	175.97	11,045.6	-4,637.2	-366.1	3.51	3.43	0.75	-19.8	-0.2

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eog resources

Final PVA

Company:	Midland	**Local Co-ordinate Reference:**	Well #714H
Project:	Eddy County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3215.0usft
Site:	Dire Wolf 12 Fed	**MD Reference:**	KB = 26' @ 3215.0usft
Well:	#714H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,525.0	93.74	178.69	11,040.4	-4,731.9	-361.7	3.14	1.29	2.86	-24.6	3.9
17,628.0	88.46	178.78	11,038.5	-4,834.8	-359.5	5.13	-5.13	0.09	-26.3	5.7
17,723.0	87.67	177.55	11,041.7	-4,929.7	-356.4	1.54	-0.83	-1.29	-22.7	8.4
17,818.0	89.34	180.62	11,044.2	-5,024.7	-354.9	3.68	1.76	3.23	-19.9	9.5
17,913.0	89.43	180.80	11,045.2	-5,119.6	-356.1	0.21	0.09	0.19	-18.6	8.0
18,008.0	91.54	179.83	11,044.4	-5,214.6	-356.6	2.44	2.22	-1.02	-19.0	7.1
18,104.0	91.10	181.33	11,042.2	-5,310.6	-357.6	1.63	-0.46	1.56	-20.9	5.7
18,199.0	92.86	182.56	11,038.9	-5,405.5	-360.8	2.26	1.85	1.29	-23.8	2.1
18,294.0	90.31	181.94	11,036.2	-5,500.4	-364.5	2.76	-2.68	-0.65	-26.1	-2.0
18,389.0	91.45	183.52	11,034.8	-5,595.2	-369.0	2.05	1.20	1.66	-27.3	-6.9
18,496.0	91.36	180.80	11,032.2	-5,702.1	-373.1	2.54	-0.08	-2.54	-29.5	-11.3
Last MWD Survey (MD=18496.0')										
18,688.0	91.36	180.80	11,027.6	-5,894.0	-375.8	0.00	0.00	0.00	-33.4	-14.8
Projection to Bit (MD=18688.0')										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
10,845.0	10,556.1	1,675.9	-414.2	KOP, MD:10845.0', TVD:10556.1',N/S:1675.9', E/W:-414.2', INC:4.96
11,337.3	10,954.6	1,416.9	-373.2	FTP Crossing, MD:11337.3', TVD:10954.6',N/S:1416.9', E/W:-373.2', INC:56.25
18,496.0	11,032.2	-5,702.1	-373.1	Last MWD Survey (MD=18496.0')
18,688.0	11,027.6	-5,894.0	-375.8	Projection to Bit (MD=18688.0')

Checked By: _____ Approved By: _____ Date: _____

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
KAY MADDOX 04/05/2022

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Eddy County, NM (NAD 83 NME)

Dire Wolf 12 Fed #714H

Plan #2

PROJECT DETAILS: Eddy County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

G T M

Azimuths to Grid North
True North: -0.26°
Magnetic North: 6.33°

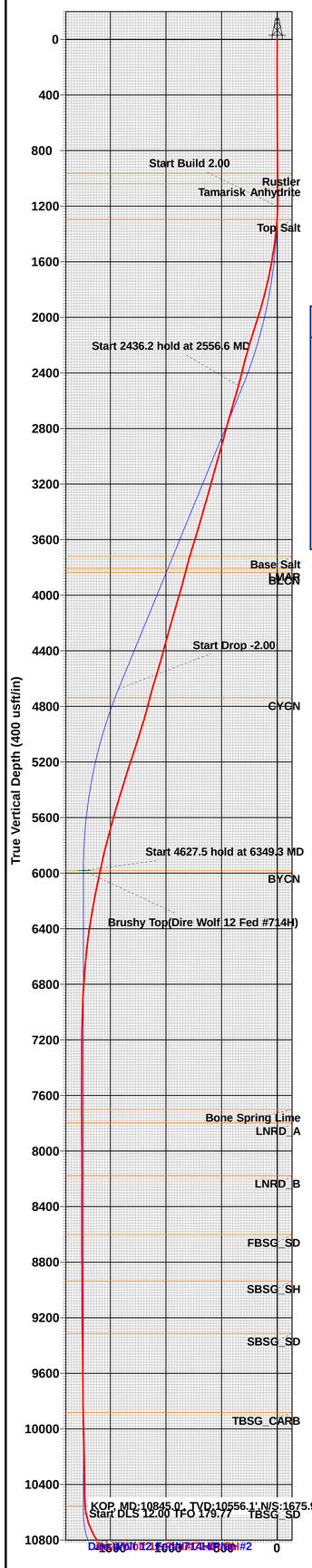
Magnetic Field
Strength: 47311.6nT
Dip Angle: 59.69°
Date: 12/25/2021
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.33°
To convert a Magnetic Direction to a True Direction, Add 6.59° East
To convert a True Direction to a Grid Direction, Subtract 0.26°

WELL DETAILS: #714H

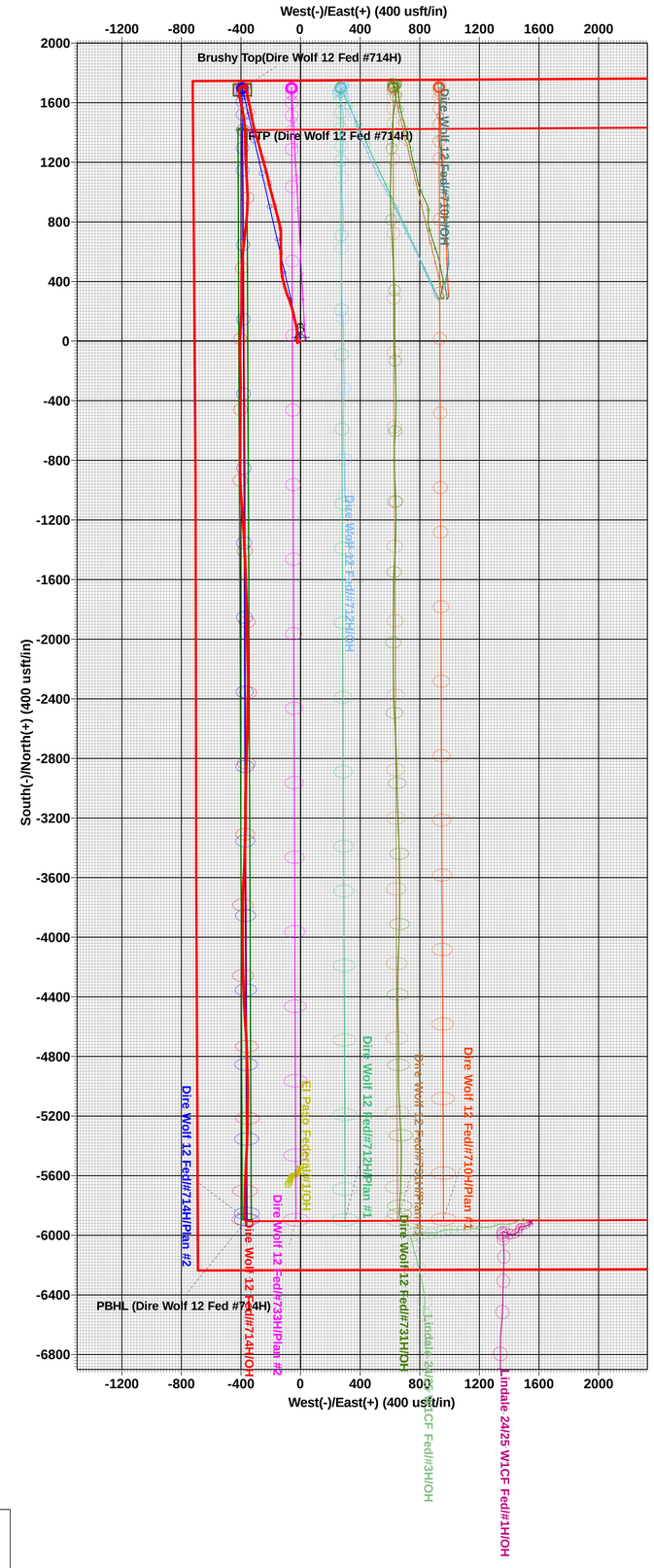
KB = 26' @ 3215.0usft
3189.0

Northing	Easting	Latitude	Longitude
383182.00	693869.00	32° 3' 8.968 N	103° 50' 27.597 W



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	2556.6	27.13	347.03	2506.4	307.2	-70.8	2.00	347.03	-302.3	
4	4992.8	27.13	347.03	4674.6	1389.8	-320.2	0.00	0.00	-1367.6	
5	6349.3	0.00	0.00	5981.0	1697.0	-391.0	2.00	180.00	-1669.9	
6	10976.8	0.00	0.00	10608.5	1697.0	-391.0	0.00	0.00	-1669.9	
7	11728.5	90.20	179.77	11086.0	1217.9	-389.1	12.00	179.77	-1191.8	
8	18841.5	90.20	179.77	11061.0	-5895.0	-361.0	0.00	0.00	5906.0	PBHL (Dire Wolf 12 Fed #714H)

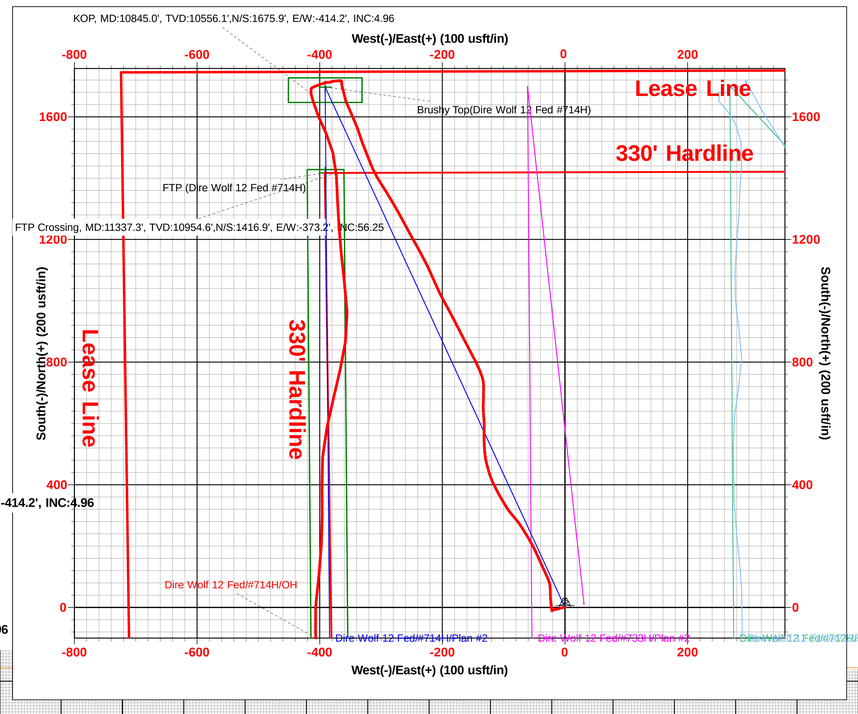


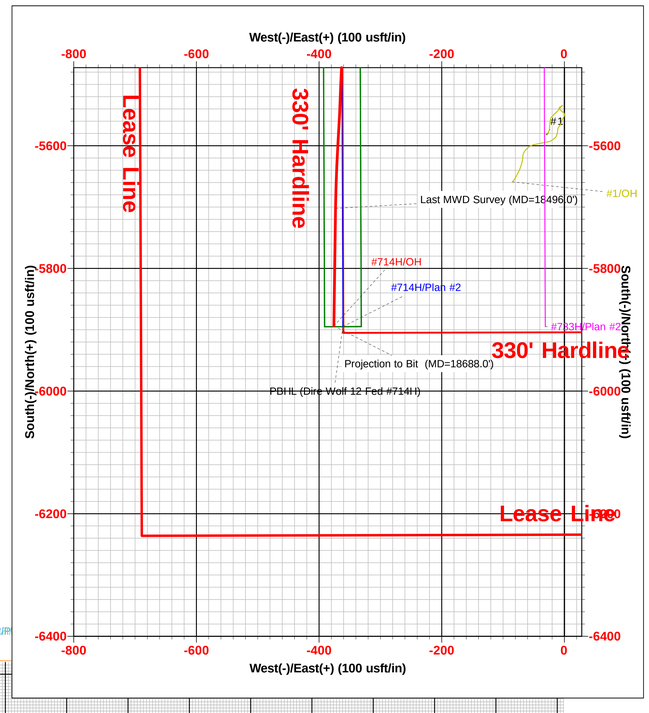
CASING DETAILS

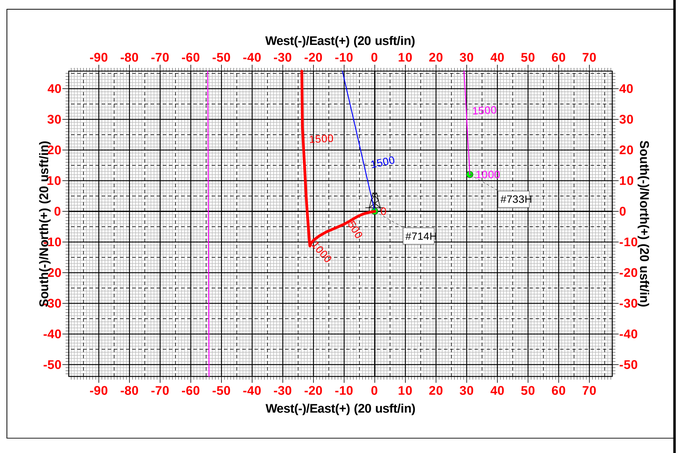
No casing data is available

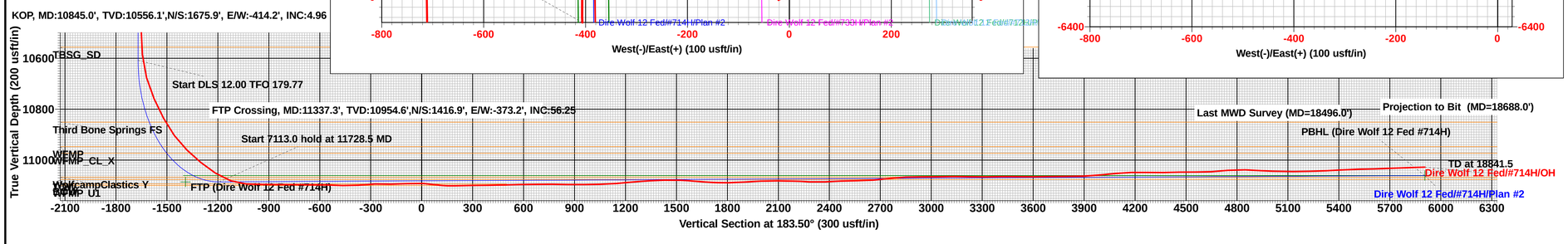
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

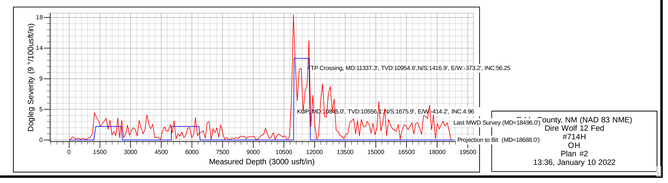
Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Dire Wolf 12 Fed #714H)	5981.0	1697.0	-391.0	384879.00	693478.00
PBHL (Dire Wolf 12 Fed #714H)	11061.0	-5895.0	-361.0	377287.00	693508.00
FTP (Dire Wolf 12 Fed #714H)	11086.0	1417.0	-391.0	384599.00	693478.00











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DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

As-Completed Plat
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

AS-COMPLETED PLAT

API Number	Pool Code	Pool Name
30-015- 47685	98220	PURPLE SAGE; WOLFCAMP (GAS)

Property Code	Property Name	Well Number
329773	DIRE WOLF 12 FED	714H

OGRID No.	Operator Name	Elevation
7377	EOG RESOURCES, INC.	3189'

Surface Location

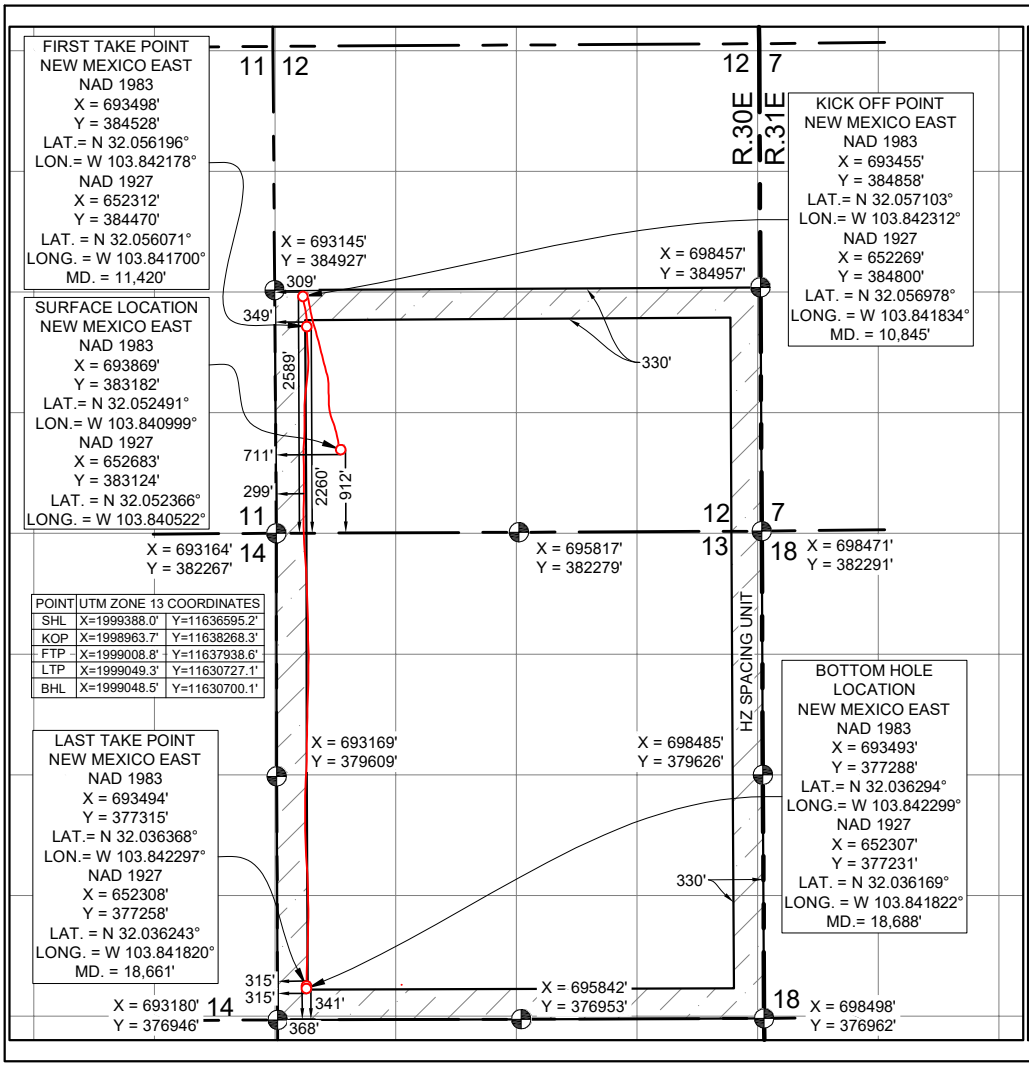
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	12	26 S	30 E		912	SOUTH	711	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	13	26 S	30 E		341	SOUTH	315	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidated Code	Order No.
960.00			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



POINT	UTM ZONE 13 COORDINATES	
SHL	X=1999388.0'	Y=11636595.2'
KOP	X=1998963.7'	Y=11638268.3'
FTP	X=1999008.8'	Y=11637938.6'
LTP	X=1999049.3'	Y=11630727.1'
BHL	X=1999048.5'	Y=11630700.1'

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kay Maddox — Signature — 04/07/2022 — Date

KAY MADDOX
Print Name

kay_maddox@eogresources.com
E-mail Address

SURVEYORS CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

NOVEMBER 29, 2021
Date of Survey

Signature and Seal of Professional Surveyor:

BRANDON MOSER — NEW MEXICO — 22502 — PROFESSIONAL SURVEYOR — 04/06/2022

Job No.: EOG_B190042
BRANDON A. MOSER, N.M.P.L.S.
Certificate Number 22502

P:\EOG_B190\AD\PROD\As-Computed\DIRE_WOLF_12_FED_AS_COMPLETED_714H.dwg BRYANT 4/6/2022 5:55 PM

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 260211
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

☑	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☑	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 260211

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 260211
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	12/8/2023