

Submit 1 Copy To Appropriate District Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

| |
|---|
| WELL API NO. 30-015-44542 |
| 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. |
| 7. Lease Name or Unit Agreement Name Fiddle Fee 24 28 23 WXY |
| 8. Well Number 9H |
| 9. OGRID Number 372098 |
| 10. Pool name or Wildcat Purple Sage; Wolfcamp |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2997 |

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well Gas Well Other

2. Name of Operator
Marathon Oil Permian LLC.

3. Address of Operator
5555 San Felipe Street, Houston, TX 77056

4. Well Location
 Unit Letter **D**: **557** feet from the **N** line and **346** feet from the **W** line
 Section **23** Township **24S** Range **28E** NMPM County **Eddy**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| | | | |
|--|--|--|--|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input checked="" type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | MULTIPLE COMPL <input type="checkbox"/> | CASING/CEMENT JOB <input type="checkbox"/> | |
| DOWNHOLE COMMINGLE <input type="checkbox"/> | | | |
| CLOSED-LOOP SYSTEM <input type="checkbox"/> | | | |
| OTHER: <input type="checkbox"/> | | OTHER: <input type="checkbox"/> | |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Marathon Oil Permian LLC respectfully requests to change the BHL on the above listed well.
 See attachments for updated C-102 and drill plan.

OG 2-20-17
 OIL CONSERVATION DIVISION
 ARTESIA DISTRICT
 DEC 14 2017
 RECEIVED

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Msz* TITLE Regulatory Compliance Representative DATE 12/13/2017

Type or print name Melissa Szudera E-mail address: mszudera@marathonoil.com PHONE: 713-296-3179

APPROVED BY: *Raymond A. Dudley* TITLE Geologist DATE 12-14-17

Conditions of Approval (if any):

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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District III
1000 Rio Brazos Road, Aztec, NM 87410
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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|----------------------------------|--|---|--|---|--------------------------------|
| ¹ API Number | | ² Pool Code 98220 | | ³ Pool Name PURPLE SAGE; WOLFCAMP | |
| ⁴ Property Code | | ⁵ Property Name FIDDLE FEE 24--28--23 WXY | | | ⁶ Well Number 9H |
| ⁷ OGRID No. 372098 | | ⁸ Operator Name MARATHON OIL PERMIAN, LLC | | | ⁹ Elevation 2997 |

¹⁰ Surface Location

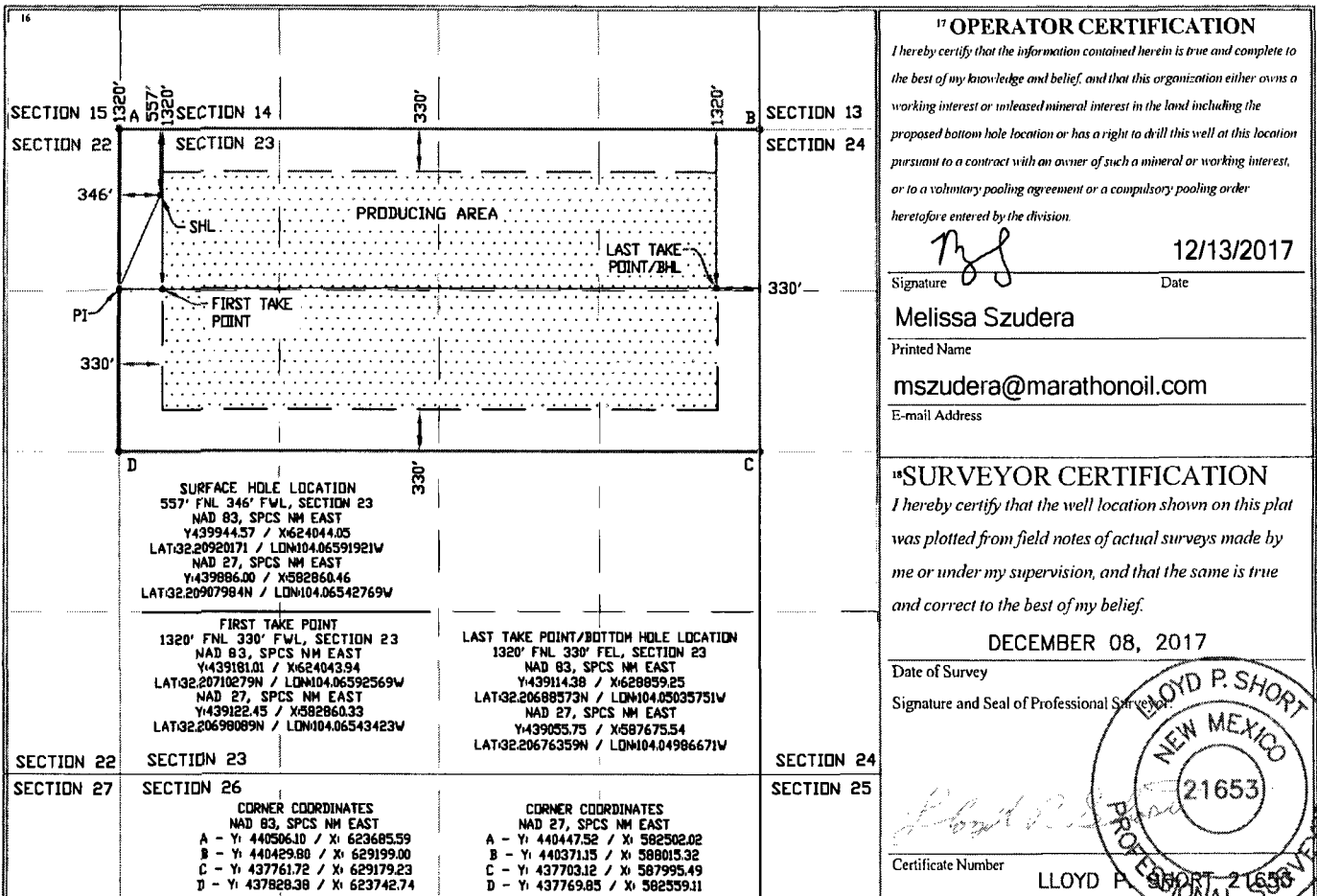
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D | 23 | T24S | R28E | | 557 | NORTH | 346 | WEST | EDDY |

¹¹ 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A | 23 | T24S | R28E | | 1320 | NORTH | 330 | EAST | EDDY |

| | | | |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 320 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|

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.



¹⁷ 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 a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

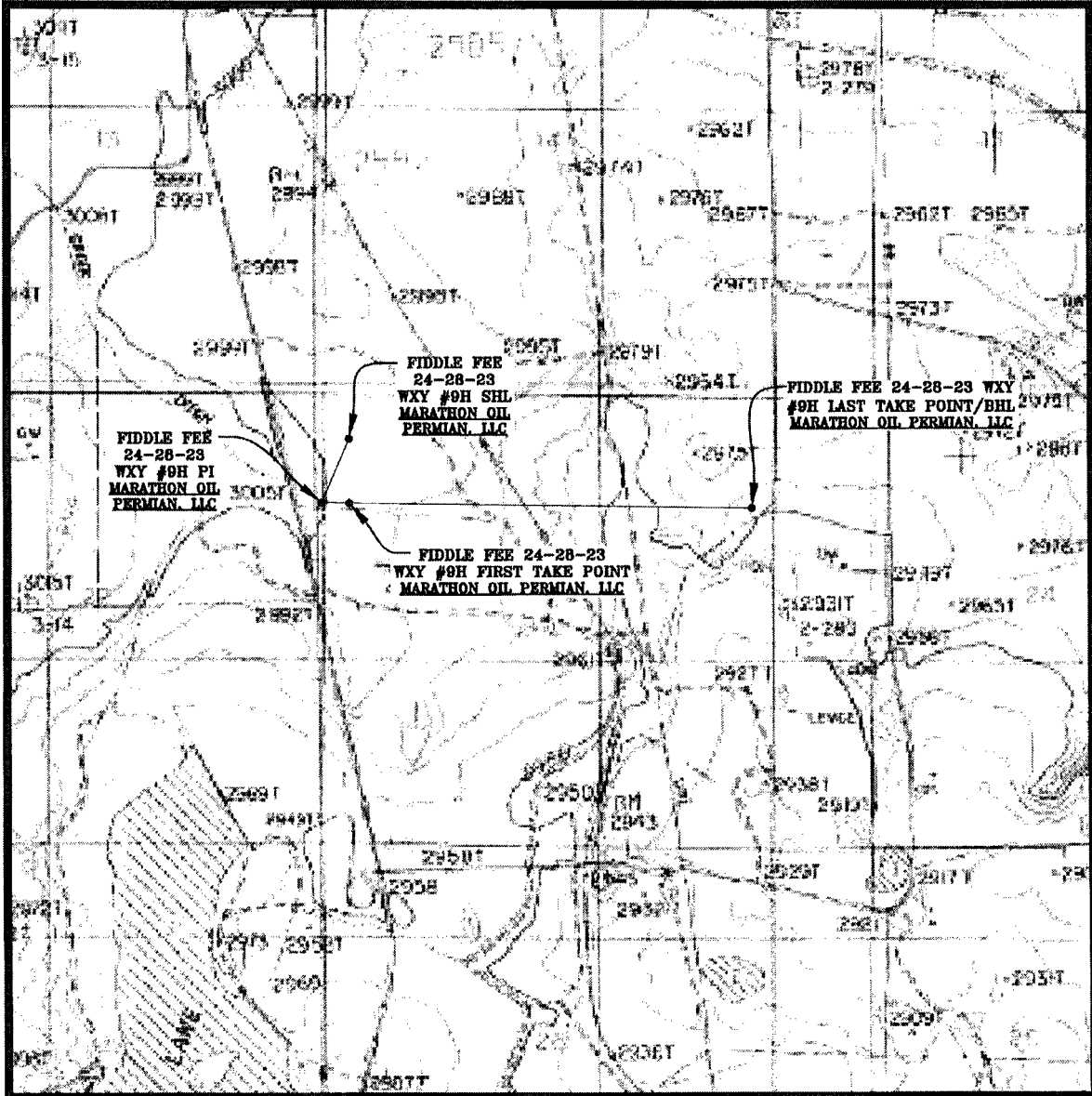
Signature: *Melissa Szudera* Date: 12/13/2017
Printed Name: Melissa Szudera
E-mail Address: mszudera@marathonoil.com

¹⁸ SURVEYOR 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.

Date of Survey: DECEMBER 08, 2017
Signature and Seal of Professional Surveyor: *Lloyd P. Short*
Certificate Number: 21653
LLOYD P. SHORT 21653

| | | |
|------|------------|-----|
| 1 | 12/08/2017 | DEF |
| REV. | DATE | BY |

LOCATION VERIFICATION MAP

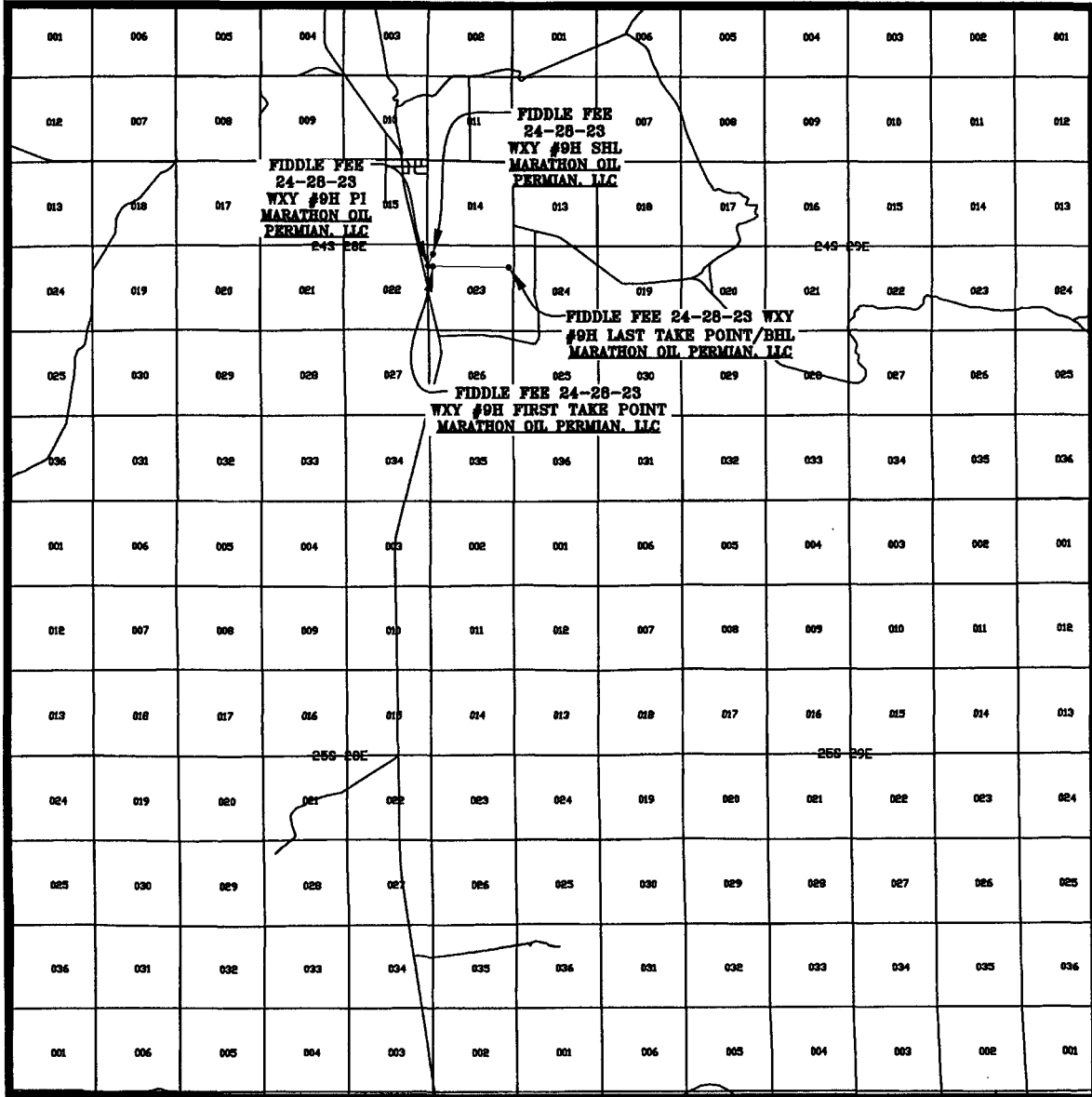


SEC. 23 TWP. 24-S RGE. 28-E
SURVEY: N.M.P.M.
COUNTY: EDDY
DESCRIPTION: 557' FNL & 346' FWL
ELEVATION: 2997'
OPERATOR: MARATHON OIL PERMIAN, LLC
LEASE: FIDDLE FEE 24-28-23
U.S.G.S. TOPOGRAPHIC MAP: MALAGA, N.M.

SCALE: 1" = 2000'
CONTOUR INTERVAL = 5'

PREPARED BY:
R-SQUARED GLOBAL, LLC
1309 LOUISVILLE AVENUE, MONROE, LA 71201
318-323-6900 OFFICE
JOB No. R3770_004

VICINITY MAP



SEC. 23 TWP. 24-S RGE. 28-E
 SURVEY: N.M.P.M.
 COUNTY: EDDY
 DESCRIPTION: 557' FNL & 346' FWL
 ELEVATION: 2997
 OPERATOR: MARATHON OIL PERMIAN, LLC
 LEASE: FIDDLE FEE 24-28-23
 U.S.G.S. TOPOGRAPHIC MAP: MALAGA, N.M.

SCALE: 1" = 2 MILES

PREPARED BY:
 R-SQUARED GLOBAL, LLC
 1309 LOUISVILLE AVENUE, MONROE, LA 71201
 318-323-6900 OFFICE
 JOB No. R3770_004



EDDY COUNTY, NM (NAD27)
FIDDLE FEE 24-28-23
WXY #9H
OH

PLAN #1
H&P 408

WELL DETAILS:

Ground Level: 2997.00
Easting: 52260.46 32° 12' 32.687" N 104° 3' 55.540" W
Longitude: 104° 3' 55.540" W
+N/S: 0.00 +E/W: 0.00

| MD | LINE | ALZ | TVD | +N/S | +E/W | D-LEG | FACE | INSET | T-PIPET |
|-----------|--------|-------|-----------|--------|-------|-------|------|-------|---------|
| 2500.00 | 3.00 | 0.32 | 2500.30 | 3.00 | 0.30 | 0.00 | 0.00 | 0.00 | |
| 5000.00 | 6.00 | 0.64 | 5000.60 | 6.00 | 0.60 | 0.00 | 0.00 | 0.00 | |
| 7500.00 | 9.00 | 0.96 | 7500.90 | 9.00 | 0.90 | 0.00 | 0.00 | 0.00 | |
| 10000.00 | 12.00 | 1.28 | 10001.20 | 12.00 | 1.20 | 0.00 | 0.00 | 0.00 | |
| 12500.00 | 15.00 | 1.60 | 12501.50 | 15.00 | 1.50 | 0.00 | 0.00 | 0.00 | |
| 15000.00 | 18.00 | 1.92 | 15001.80 | 18.00 | 1.80 | 0.00 | 0.00 | 0.00 | |
| 17500.00 | 21.00 | 2.24 | 17502.10 | 21.00 | 2.10 | 0.00 | 0.00 | 0.00 | |
| 20000.00 | 24.00 | 2.56 | 20002.40 | 24.00 | 2.40 | 0.00 | 0.00 | 0.00 | |
| 22500.00 | 27.00 | 2.88 | 22502.70 | 27.00 | 2.70 | 0.00 | 0.00 | 0.00 | |
| 25000.00 | 30.00 | 3.20 | 25003.00 | 30.00 | 3.00 | 0.00 | 0.00 | 0.00 | |
| 27500.00 | 33.00 | 3.52 | 27503.30 | 33.00 | 3.30 | 0.00 | 0.00 | 0.00 | |
| 30000.00 | 36.00 | 3.84 | 30003.60 | 36.00 | 3.60 | 0.00 | 0.00 | 0.00 | |
| 32500.00 | 39.00 | 4.16 | 32503.90 | 39.00 | 3.90 | 0.00 | 0.00 | 0.00 | |
| 35000.00 | 42.00 | 4.48 | 35004.20 | 42.00 | 4.20 | 0.00 | 0.00 | 0.00 | |
| 37500.00 | 45.00 | 4.80 | 37504.50 | 45.00 | 4.50 | 0.00 | 0.00 | 0.00 | |
| 40000.00 | 48.00 | 5.12 | 40004.80 | 48.00 | 4.80 | 0.00 | 0.00 | 0.00 | |
| 42500.00 | 51.00 | 5.44 | 42505.10 | 51.00 | 5.10 | 0.00 | 0.00 | 0.00 | |
| 45000.00 | 54.00 | 5.76 | 45005.40 | 54.00 | 5.40 | 0.00 | 0.00 | 0.00 | |
| 47500.00 | 57.00 | 6.08 | 47505.70 | 57.00 | 5.70 | 0.00 | 0.00 | 0.00 | |
| 50000.00 | 60.00 | 6.40 | 50006.00 | 60.00 | 6.00 | 0.00 | 0.00 | 0.00 | |
| 52500.00 | 63.00 | 6.72 | 52506.30 | 63.00 | 6.30 | 0.00 | 0.00 | 0.00 | |
| 55000.00 | 66.00 | 7.04 | 55006.60 | 66.00 | 6.60 | 0.00 | 0.00 | 0.00 | |
| 57500.00 | 69.00 | 7.36 | 57506.90 | 69.00 | 6.90 | 0.00 | 0.00 | 0.00 | |
| 60000.00 | 72.00 | 7.68 | 60007.20 | 72.00 | 7.20 | 0.00 | 0.00 | 0.00 | |
| 62500.00 | 75.00 | 8.00 | 62507.50 | 75.00 | 7.50 | 0.00 | 0.00 | 0.00 | |
| 65000.00 | 78.00 | 8.32 | 65007.80 | 78.00 | 7.80 | 0.00 | 0.00 | 0.00 | |
| 67500.00 | 81.00 | 8.64 | 67508.10 | 81.00 | 8.10 | 0.00 | 0.00 | 0.00 | |
| 70000.00 | 84.00 | 8.96 | 70008.40 | 84.00 | 8.40 | 0.00 | 0.00 | 0.00 | |
| 72500.00 | 87.00 | 9.28 | 72508.70 | 87.00 | 8.70 | 0.00 | 0.00 | 0.00 | |
| 75000.00 | 90.00 | 9.60 | 75009.00 | 90.00 | 9.00 | 0.00 | 0.00 | 0.00 | |
| 77500.00 | 93.00 | 9.92 | 77509.30 | 93.00 | 9.30 | 0.00 | 0.00 | 0.00 | |
| 80000.00 | 96.00 | 10.24 | 80009.60 | 96.00 | 9.60 | 0.00 | 0.00 | 0.00 | |
| 82500.00 | 99.00 | 10.56 | 82509.90 | 99.00 | 9.90 | 0.00 | 0.00 | 0.00 | |
| 85000.00 | 102.00 | 10.88 | 85010.20 | 102.00 | 10.20 | 0.00 | 0.00 | 0.00 | |
| 87500.00 | 105.00 | 11.20 | 87510.50 | 105.00 | 10.50 | 0.00 | 0.00 | 0.00 | |
| 90000.00 | 108.00 | 11.52 | 90010.80 | 108.00 | 10.80 | 0.00 | 0.00 | 0.00 | |
| 92500.00 | 111.00 | 11.84 | 92511.10 | 111.00 | 11.10 | 0.00 | 0.00 | 0.00 | |
| 95000.00 | 114.00 | 12.16 | 95011.40 | 114.00 | 11.40 | 0.00 | 0.00 | 0.00 | |
| 97500.00 | 117.00 | 12.48 | 97511.70 | 117.00 | 11.70 | 0.00 | 0.00 | 0.00 | |
| 100000.00 | 120.00 | 12.80 | 100012.00 | 120.00 | 12.00 | 0.00 | 0.00 | 0.00 | |

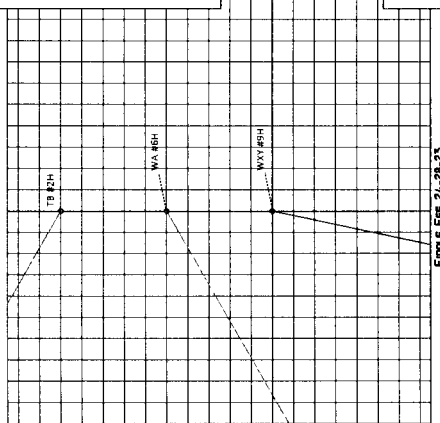
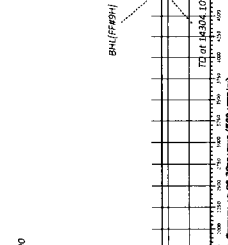
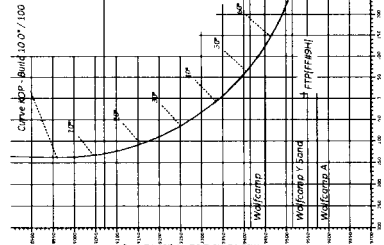
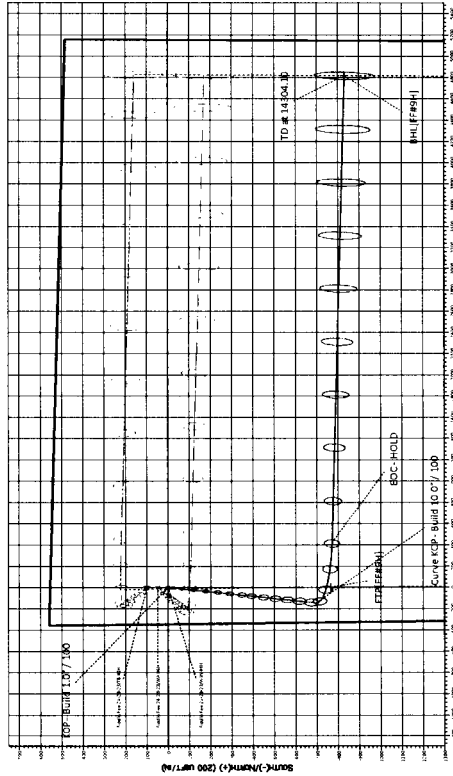
DESIGN TARGET DETAILS

| Name | TVD | +N/S | +E/W | Northing | Easting |
|------------|---------|---------|---------|-----------|----------|
| BH(LFF#9H) | 9541.00 | -830.32 | 4815.48 | 439122.46 | 52260.33 |
| FT(F#9H) | 9541.00 | -763.61 | -0.13 | 439122.46 | 52260.33 |

GL ELEV.: 2997.00
DEPTH REF. KB = 26.5' @ 3023.5005 FT. (H&P 408)

DRILLING TARGET: 9541' TVD @ 0VS // 90.0° INC.

WINDOW: 15 UP // 15 DOWN



FIDDLE FEE 24-28-23

SITE DETAILS: Fiddle Fee 24-28-23
Site Centre Northing: 439935.99
Easting: 52260.46
Positional Uncertainty: 0.00
Convergence: 0.14
Local North: Grid

Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone Name: New Mexico East 3001
Local Origin: Well WXY #9H, Grid North
Latitude: 32° 12' 32.687" N
Longitude: 104° 3' 55.540" W
Grid East: 52260.46
Grid North: 439935.99
Scale Factor: 1.000
Geomagnetic Model: HDGM
Sample Date: 13-Dec-17
Magnetic Declination: 7.22°
Dip Angle from Horizontal: 60.03°
Magnetic Field Strength: 48057
To convert Magnetic North to Grid, Add 7.07°
To convert Magnetic North to True, Add 7.22° East
To convert True North to Grid, Subtract 0.14°

PROJECT DETAILS: Eddy County, NM (NAD27)
Geoid System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

