

HOBBS OCH
DEC 13 2019
RECEIVED**NMOCD**
HobbsUNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010**COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No. NMNM028881
6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.
8. Lease Name and Well No. DILLON 31 FEDERAL COM 705H
9. API Well No. 30-025-45980
10. Field and Pool, or Exploratory WC025G09S2433361; UP WOLCA
11. Sec., T., R., M., or Block and Survey or Area Sec 31 T24S R34E Mer NMP
12. County or Parish LEA
13. State NM
17. Elevations (DF, KB, RT, GL)* 3432 GL
16. Date Completed ☐ D & A ☒ Ready to Prod. 08/16/2019
15. Date T.D. Reached 07/09/2019
14. Date Spudded 06/24/2019

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator
EOG RESOURCES, INC
Contact: KAY MADDOX
E-Mail: KAY_MADDOX@EOGRESOURCES.COM
3. Address PO BOX 2267
MIDLAND, TX 79702
3a. Phone No. (include area code)
Ph: 432-686-3658

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 31 T24S R34E Mer NMP
At surface SESE 284FSL 575FEL 32.167573 N Lat, 103.502301 W Lon
Sec 31 T24S R34E Mer NMP
At top prod interval reported below SESE 229FSL 921FEL 32.167421 N Lat, 103.503419 W Lon
Sec 30 T24S R34E Mer NMP
At total depth NESE 2524FSL 931FEL 32.188223 N Lat, 103.503468 W Lon

18. Total Depth: MD 19975
TVD 12252
19. Plug Back T.D.: MD 19948
TVD 12252
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 analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.500	9.625 J55	40.0		1340		715		0	
8.750	7.625 ECP-110	29.7		11692		1439		0	
6.750	5.500 ICYP110	20.0		19960		735		6850	

24. Tubing Record

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

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12377	19948	12377 TO 19948	3.250	1624	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
12377 TO 19948	18,800,109 LBS PROPPANT; 292,531 BBLs LOAD FLUID

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
08/16/2019	08/21/2019	24	→	3437.0	7535.0	7733.0	29.0		POW
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
60	SI	2583.0	→				2192		

NOV 20 2019

ACCEPTED FOR RECORD

BUREAU OF LAND MANAGEMENT

ROSWELL FIELD OFFICE

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #483919 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Reclamation due: 02/16/2020

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(Sold, used for fuel, vented, etc.)
SOLD

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
RUSTLER	1141		BARREN	RUSTLER	1141
T/SALT	1617		BARREN	T/SALT	1617
B/SALT	4995		OIL & GAS	B/SALT	4995
BRUSHY CANYON	7851		OIL & GAS	BRUSHY CANYON	7851
1ST BONE SPRING SAND	10228		OIL & GAS	1ST BONE SPRING SAND	10228
2ND BONE SPRING SAND	10859		OIL & GAS	2ND BONE SPRING SAND	10859
3RD BONE SPRING SAND	11883		OIL & GAS	3RD BONE SPRING SAND	11883
WOLFCAMP	12296		OIL & GAS	WOLFCAMP	12296

32. Additional remarks (include plugging procedure):
PLEASE REFERENCE ATTACHMENTS

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

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

Electronic Submission #483919 Verified by the BLM Well Information System.
For EOG RESOURCES, INC, sent to the Hobbs
Committed to AFMSS for processing by JENNIFER SANCHEZ on 11/18/2019 0

Name (please print) KAY MADDOX

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 09/18/2019

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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 Road, 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, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-45980		² Pool Code 98092		³ Pool Name WC025 G09 S2433361; UPPER WOLFCAMP	
⁴ Property Code 39126		⁵ Property Name DILLON 31 FED COM			⁶ Well Number #705H
⁷ GRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3432'

¹⁰Surface Location

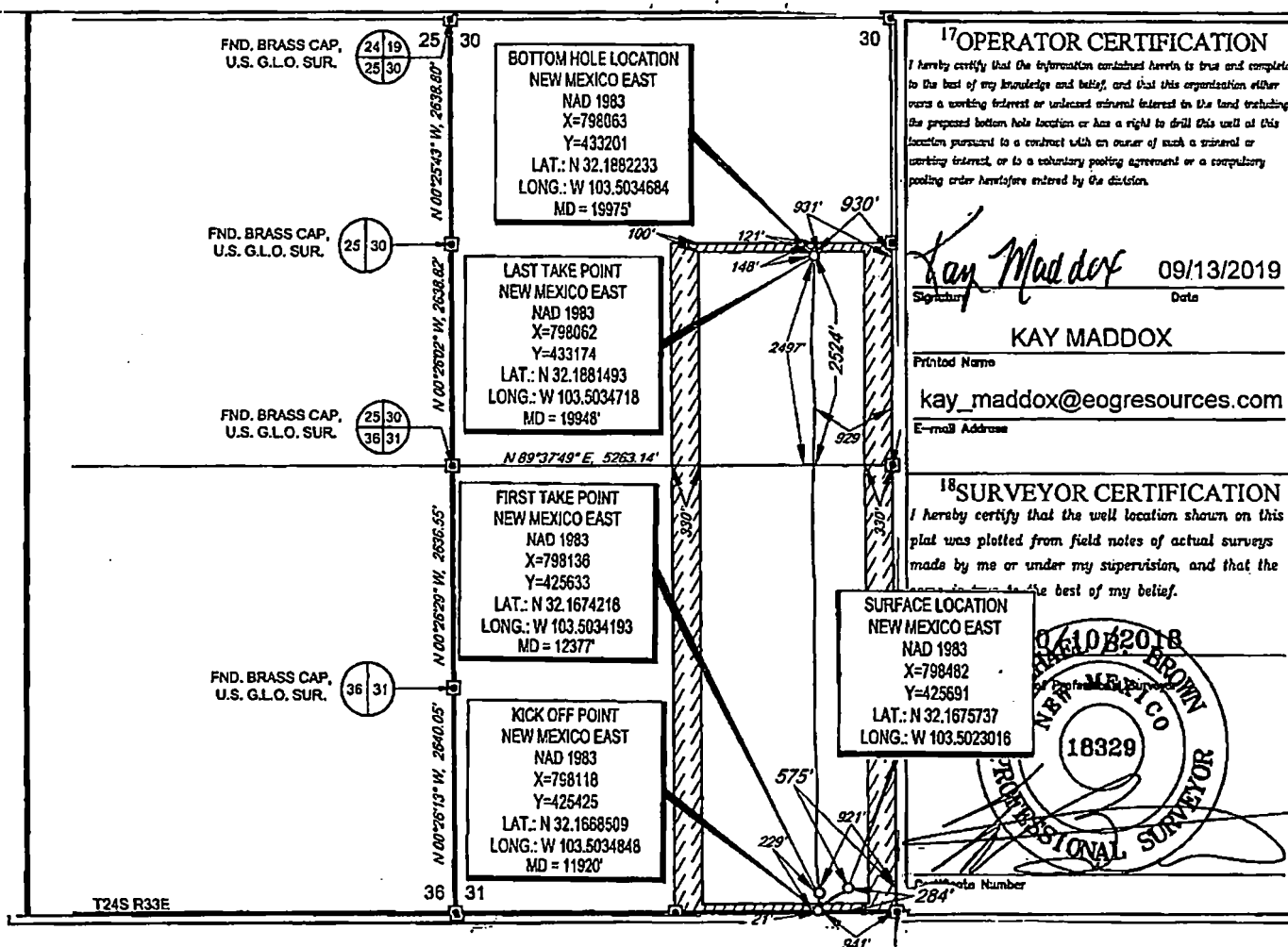
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	31	24-S	34-E	-	284'	SOUTH	575'	EAST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
I	30	24-S	34-E	-	2524'	SOUTH	931'	EAST	LEA

¹² Dedicated Acres 480.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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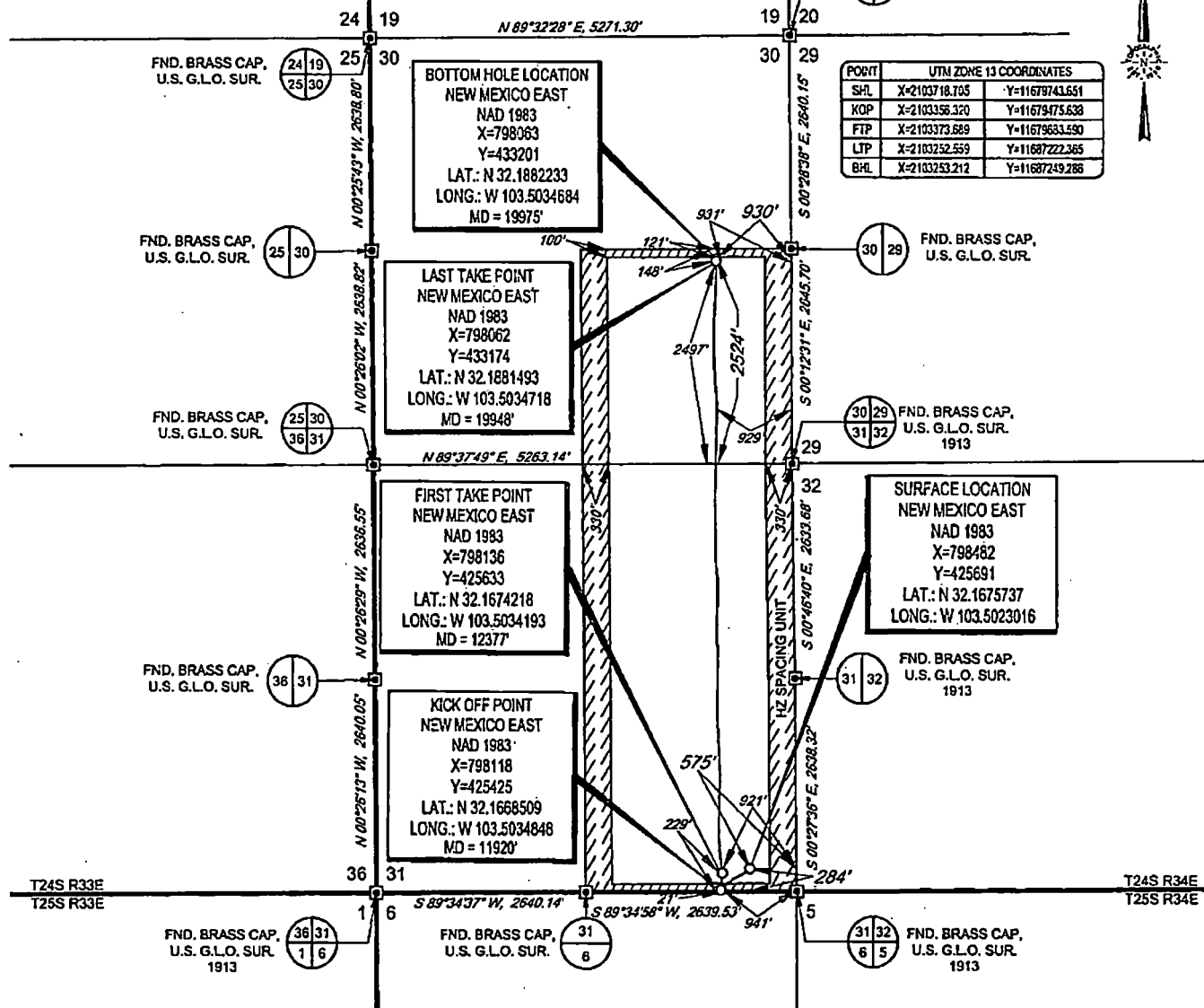
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SCALE: 1" = 2000'
0' 1000' 2000'

SECTION 31, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

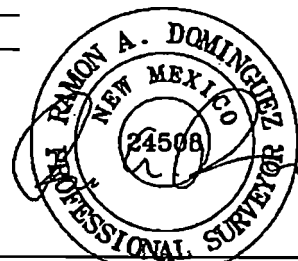
(19/20) FND. BRASS CAP.
(30/29) U.S. G.L.O. SUR.



LEASE NAME & WELL NO.: DILLON 31 FED COM #705H
SECTION 31 TWP 24-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3432'
DESCRIPTION 284' FSL & 575' FEL



1400 EVERMAN PARKWAY, Ste. 148 - FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 - FAX (817) 744-7554
2903 NORTH BIG SPRING - MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1853 OR (800) 767-1853 - FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Ramon A. Dominguez, P.S. No. 24508
August 14, 2019



DILLON 31 FED COM #705H AS-COMPLETED DATE: 08/14/19 FILE: AD_DILLON_31_FED_COM_705H DRAWN BY: TRG SHEET: 1 OF 1	REVISION:	NOTES: 1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1983. 3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dillon 31 Fed Com

#705H

OH

Design: OH

Midland PVA

10 July, 2019



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TYD Reference:	KB = 25' @ 3457.0usft
Site:	Dillon 31' Fed Com	MD Reference:	KB = 25' @ 3457.0usft
Well:	0705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Project	Lea 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		Dillon 31 Fed Com			
Site Position:		Northings:	425,886.00 usft	Latitude:	32° 10' 3.262 N
From:	Map	Eastings:	797,851.00 usft	Longitude:	103° 30' 15.624 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.44°

Well	0705H					
Well Position	+N-S	0.0 usft	Northings:	425,691.00 usft	Latitude:	32° 10' 3.264 N
	+E-W	0.0 usft	Eastings:	798,482.00 usft	Longitude:	103° 30' 8.283 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,432.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/14/2018	6.76	60.00	47,766.74924073

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TYD)	+N-S	+E-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	356.58	

Survey Program	Date 7/10/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
126.0	19,975.0	HTMWD (OH)	MWD	OMSG MWD - Standard



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3457.0ush
Site:	Oil on 31' Fed Com	MD Reference:	KB = 25' @ 3457.0ush
Well:	705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (ush)	Inc (°)	Adj (gall/mth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	D Leg (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.0	0.0
126.0	0.80	151.70	126.0	-0.8	0.4	0.63	0.63	0.00	-0.9	-1.0	0.0
303.0	2.60	358.80	302.9	2.2	0.9	1.88	1.02	-86.38	-2.1	-4.1	-1.0
478.0	2.40	326.30	477.8	9.2	-1.2	0.81	-0.11	-18.57	-8.3	-4.1	-4.1
662.0	1.30	264.00	661.7	12.2	-5.4	1.18	-0.60	-33.86	-4.1	-12.7	-12.7
849.0	2.10	212.40	848.8	9.0	-8.4	0.88	0.43	-27.59	2.6	-12.7	-12.7
1,038.0	2.10	193.70	1,037.5	2.7	-11.9	0.42	0.00	-11.48	0.5	-12.2	-12.2
1,131.0	2.50	187.90	1,130.4	-1.0	-12.5	0.45	0.43	-3.01	-2.7	-12.2	-12.2
1,292.0	3.40	192.60	1,291.2	-9.1	-14.0	0.58	0.56	2.82	-10.9	-10.6	-10.6
1,411.0	4.00	208.60	1,410.0	-18.2	-18.7	1.00	0.50	13.45	-15.5	-3.1	-3.1
1,598.0	4.20	221.40	1,598.5	-27.1	-24.4	0.50	0.11	6.84	-11.8	7.2	7.2
1,788.0	5.10	237.20	1,783.9	-36.7	-36.0	0.83	0.48	8.40	-4.5	12.3	12.3
1,972.0	5.10	241.70	1,969.1	-45.1	-50.2	0.22	0.00	2.42	-0.8	12.1	12.1
2,158.0	4.90	243.70	2,154.4	-52.8	-84.6	0.14	-0.11	1.08	3.0	10.6	10.6
2,344.0	7.20	237.90	2,339.4	-62.3	-81.8	1.28	1.24	-3.12	1.8	10.2	10.2
2,531.0	7.50	243.40	2,524.9	-74.0	-102.4	0.41	0.16	2.94	-1.7	9.4	9.4
2,718.0	6.70	242.80	2,710.4	-84.4	-123.0	0.43	-0.43	-0.32	-5.4	7.7	7.7
2,905.0	5.80	240.80	2,896.3	-94.0	-141.0	0.50	-0.48	-1.07	-6.5	6.3	6.3
3,093.0	5.80	245.90	3,083.3	-102.6	-158.0	0.27	0.00	2.71	-5.4	5.1	5.1
3,187.0	5.80	245.50	3,176.9	-106.5	-166.8	0.04	0.00	-0.43	-5.2	3.8	3.8
3,375.0	4.10	235.50	3,364.2	-114.2	-180.8	1.01	-0.80	-3.32	-2.2	2.1	2.1
3,562.0	5.40	235.00	3,550.5	-123.0	-193.5	0.70	0.70	-0.27	1.9	3.2	3.2
3,749.0	6.30	230.50	3,738.5	-134.6	-208.6	0.54	0.48	-2.41	2.0	5.3	5.3
3,937.0	5.80	225.20	3,923.5	-148.0	-223.5	0.37	-0.21	-2.82	0.7	8.0	8.0
4,124.0	7.70	248.60	4,109.2	-159.3	-241.9	1.75	0.98	12.51	2.0	8.3	8.3
4,312.0	6.50	245.60	4,295.7	-168.3	-263.4	0.67	-0.64	-1.60	-2.1	5.2	5.2
4,500.0	5.70	233.50	4,482.7	-178.3	-280.6	0.80	-0.43	-6.44	-3.3	4.1	4.1



Midland PVA

Company:	Eog Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Las County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3457.0usft
Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3457.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Incl (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Dlog ("/100usft)	Built ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,687.0	5.60	251.40	4,668.8	-188.7	-296.7	0.94	-0.05	9.57	-0.8	3.3	
4,874.0	4.90	228.90	4,855.0	-194.9	-311.3	1.15	-0.37	-12.03	0.8	2.5	
5,081.0	5.20	216.30	5,041.3	-206.9	-322.4	0.61	0.16	-6.74	2.2	8.2	
5,248.0	5.10	230.00	5,227.6	-219.1	-333.8	0.66	-0.05	7.33	6.8	12.3	
5,435.0	5.00	234.00	5,413.8	-229.3	-348.7	0.20	-0.05	2.14	10.8	13.8	
5,622.0	5.30	230.40	5,600.1	-239.3	-360.0	0.24	0.16	-1.93	10.5	18.4	
5,808.0	3.80	228.60	5,785.5	-248.9	-371.0	0.92	-0.91	-0.97	1.9	17.5	
5,995.0	1.10	245.80	5,972.3	-253.5	-377.0	1.37	-1.34	9.20	-0.4	17.9	
6,182.0	1.00	245.20	6,159.3	-254.9	-380.1	0.05	-0.05	-0.32	-4.0	17.9	
6,368.0	0.80	241.50	6,345.3	-256.2	-382.7	0.11	-0.11	-1.09	-8.1	17.5	
6,554.0	0.60	238.10	6,531.3	-257.4	-384.7	0.11	-0.11	-1.83	-11.4	18.8	
6,741.0	0.60	250.80	6,718.3	-258.2	-386.5	0.07	0.00	6.79	-9.3	19.2	
6,927.0	0.60	240.50	6,904.3	-259.0	-388.2	0.08	0.00	-3.54	-14.5	17.1	
7,113.0	0.40	335.10	7,090.2	-258.9	-389.4	0.40	-0.11	50.88	17.8	14.1	
7,301.0	1.60	19.20	7,278.2	-255.8	-388.8	0.71	0.64	23.46	19.3	-1.7	
7,488.0	2.60	46.50	7,465.1	-250.2	-384.6	0.83	0.64	14.60	9.5	-9.2	
7,675.0	2.80	59.90	7,651.8	-244.1	-377.8	0.13	0.05	2.35	-0.5	-9.5	
7,863.0	2.20	55.80	7,839.7	-238.1	-370.9	0.39	-0.37	2.61	-9.8	-9.0	
8,049.0	1.80	54.00	8,025.8	-235.3	-365.6	0.22	-0.22	-0.97	-15.8	-9.5	
8,238.0	1.20	64.20	8,214.5	-232.7	-361.4	0.35	-0.32	5.40	-22.2	-6.0	
8,424.0	0.80	83.90	8,400.5	-232.0	-358.4	0.35	-0.22	15.97	-25.2	8.8	
8,612.0	0.70	123.60	8,588.4	-232.7	-356.1	0.21	-0.05	15.80	-20.8	19.0	
8,800.0	0.80	150.80	8,776.4	-234.5	-354.5	0.19	0.05	14.47	-12.2	27.0	
8,988.0	1.10	167.90	8,964.4	-237.4	-353.5	0.22	0.16	8.10	-6.8	29.7	
9,175.0	1.40	180.70	9,151.4	-241.4	-353.2	0.22	0.16	6.84	-4.0	30.9	
9,361.0	0.70	158.30	9,337.3	-244.7	-352.8	0.43	-0.38	-12.04	-18.7	28.2	
9,549.0	1.20	173.80	9,525.3	-247.8	-352.1	0.30	0.27	8.24	-14.1	30.5	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3457.0usft
Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3457.0usft
Well:	7705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (*1000usft)	Bulld (*1000usft)	Turn (*1000usft)	High to Plan (usft)	Right to Plan (usft)
9,738.0	1.40	190.50	9,712.3	-252.0	-352.3	0.23	0.11	8.93	-8.9	33.9
9,924.0	2.00	165.00	9,900.2	-257.4	-351.9	0.51	0.32	-13.56	-28.0	25.7
10,111.0	1.10	161.50	10,087.1	-262.2	-350.5	0.48	-0.48	-1.87	-34.8	23.8
10,298.0	0.70	68.80	10,274.1	-263.5	-349.9	0.71	-0.21	-49.57	-23.2	-37.4
10,485.0	1.30	239.20	10,461.1	-264.2	-349.6	1.07	0.32	81.12	15.6	41.0
10,673.0	0.90	205.10	10,649.0	-266.8	-352.1	0.40	-0.21	-18.14	-13.3	41.5
10,859.0	0.60	245.10	10,835.0	-268.4	-353.8	0.31	-0.18	21.51	14.4	41.3
11,047.0	0.30	88.30	11,023.0	-268.8	-354.0	0.47	-0.16	-83.40	-29.1	-32.6
11,233.0	1.80	191.20	11,209.0	-271.8	-354.1	1.07	0.88	55.32	-28.3	38.1
11,421.0	0.99	273.40	11,396.9	-274.7	-356.2	1.08	-0.53	43.72	30.0	38.0
11,608.0	1.80	306.90	11,583.8	-272.8	-360.1	0.67	0.53	17.81	40.6	14.3
11,848.0	1.80	312.50	11,621.9	-272.0	-361.1	0.49	0.00	14.74	40.5	10.3
11,837.0	1.01	349.36	11,812.8	-268.2	-363.7	0.85	-0.47	19.30	34.4	-14.2
11,931.0	2.51	352.17	11,906.8	-265.4	-364.2	1.60	1.60	2.99	30.8	-15.8
12,024.0	13.89	2.36	11,958.7	-252.1	-364.0	12.29	12.24	10.96	18.5	-20.9
12,118.0	23.16	9.48	12,088.7	-222.2	-360.4	10.03	9.76	7.49	6.7	-25.1
12,212.0	36.44	5.44	12,169.2	-176.5	-354.8	14.43	14.28	-4.34	-0.9	-29.8
12,305.0	45.27	7.46	12,239.5	-118.1	-347.8	8.60	8.49	2.17	-11.2	-38.2
12,398.0	64.31	357.27	12,282.9	-40.7	-345.5	22.30	20.47	-10.96	-20.0	-40.7
12,492.0	74.46	351.84	12,326.0	46.7	-354.2	12.16	10.80	-5.99	-38.0	-34.4
12,586.0	75.65	352.28	12,350.2	138.8	-368.9	1.42	1.27	0.66	-47.6	-21.6
12,679.0	78.84	354.89	12,372.4	226.4	-377.0	3.03	1.28	2.83	-38.6	-11.2
12,773.0	83.25	358.56	12,388.6	318.7	-383.9	7.04	6.82	1.78	-23.1	-4.8
12,867.0	85.63	359.11	12,397.7	412.1	-387.4	3.70	2.53	2.71	-14.5	-2.1
12,960.0	86.37	0.28	12,404.2	504.8	-387.9	1.47	0.80	1.24	-8.6	-2.3
13,054.0	87.87	1.75	12,408.9	598.8	-386.2	2.25	1.60	1.59	-4.4	-4.8
13,147.0	88.84	0.17	12,411.6	691.7	-384.7	1.99	1.04	-1.70	-2.2	-7.1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3457.0ush
Site:	Dillon 31-Fed Com	MD Reference:	KB = 25' @ 3457.0ush
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (ush)	Loc (°)	Azi (azimuth) (°)	TVD (ush)	NIS (ush)	EW (ush)	DLeg (°/100ust)	Build (°/100ust)	Turn (°/100ust)	High to Plan (ush)	Right to Plan (ush)	
13,241.0	90.28	0.96	12,412.3	785.7	-383.8	1.78	1.54	0.84	-2.1	-8.8	
13,334.0	88.40	1.68	12,413.4	878.7	-381.8	2.17	-2.03	0.75	-1.5	-11.7	
13,450.0	91.03	2.63	12,413.9	994.6	-377.3	2.46	2.31	0.84	-0.5	-17.0	
13,544.0	91.16	2.01	12,412.1	1,088.5	-373.5	0.68	0.09	-0.68	-1.5	-21.8	
13,638.0	89.89	358.78	12,411.2	1,182.5	-372.9	3.71	-1.35	-3.46	-1.6	-23.0	
13,731.0	88.57	358.39	12,412.4	1,275.4	-376.8	2.92	-1.42	-2.55	0.5	-19.9	
13,825.0	89.71	358.83	12,413.9	1,369.2	-382.4	1.30	1.21	0.47	3.9	-15.1	
13,918.0	90.29	358.92	12,413.9	1,462.0	-387.4	0.83	0.82	0.10	6.0	-10.8	
14,012.0	88.79	357.53	12,414.6	1,555.8	-392.0	1.72	-1.60	0.65	8.9	-7.1	
14,105.0	87.30	355.69	12,417.8	1,648.7	-397.5	2.54	-1.60	-1.98	14.2	-2.4	
14,199.0	85.21	358.32	12,415.7	1,742.5	-402.4	8.87	8.41	2.80	14.3	1.8	
14,292.0	96.48	358.50	12,408.3	1,834.9	-404.9	1.38	1.37	0.19	7.0	3.8	
14,386.0	94.20	359.46	12,397.5	1,928.5	-406.8	2.83	-2.43	1.02	0.4	4.5	
14,479.0	90.37	0.26	12,393.8	2,021.4	-406.8	4.21	-4.12	0.88	-1.2	3.8	
14,573.0	90.37	0.34	12,393.2	2,115.4	-406.3	0.09	0.00	0.09	0.3	2.8	
14,667.0	91.96	0.70	12,391.3	2,209.4	-405.5	1.73	1.69	0.38	0.6	1.0	
14,760.0	92.18	0.78	12,387.8	2,302.3	-404.3	0.25	0.24	0.09	-0.6	-1.0	
14,853.0	88.97	359.49	12,387.0	2,395.3	-404.1	3.73	-3.45	-1.42	0.6	-2.0	
14,947.0	89.80	359.73	12,388.0	2,489.3	-404.8	0.93	0.88	0.29	3.7	-2.1	
15,041.0	90.81	359.99	12,387.5	2,583.3	-405.0	1.11	1.07	0.28	5.4	-2.8	
15,134.0	90.88	359.90	12,388.1	2,676.3	-405.1	0.11	0.05	-0.10	6.2	-3.3	
15,227.0	89.70	359.03	12,386.5	2,769.3	-405.9	2.50	-2.32	-0.84	8.7	-3.2	
15,321.0	88.70	359.03	12,388.6	2,863.2	-407.6	0.00	0.00	0.00	12.9	-2.4	
15,415.0	88.88	358.59	12,390.6	2,957.2	-409.5	0.51	0.19	-0.47	17.1	-1.3	
15,507.0	91.65	1.31	12,390.2	3,049.2	-409.6	4.22	3.01	2.96	18.8	-2.0	
15,601.0	93.14	1.31	12,388.3	3,143.1	-407.4	1.59	1.59	0.00	17.0	-4.9	
15,695.0	93.19	0.34	12,381.1	3,236.9	-406.1	1.03	0.05	-1.03	14.0	-7.0	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3457.0ush
Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3457.0ush
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (ush)	Incl (°)	Azi (azimuth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	DLeg (°/100ush)	Bulld (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)	
15,789.0	80.99	358.76	12,377.6	3,330.8	-408.8	2.88	-2.34	-1.68	12.7	-7.1	
15,882.0	82.84	0.52	12,374.5	3,423.8	-407.4	2.74	1.99	1.89	11.7	-7.3	
15,973.0	82.66	0.34	12,370.1	3,516.7	-406.7	0.27	-0.19	-0.19	9.2	-8.8	
16,069.0	83.74	356.65	12,373.0	3,610.5	-409.2	10.27	-9.49	-3.93	14.0	-7.1	
16,162.0	82.64	354.45	12,384.1	3,702.5	-418.3	2.63	-1.18	-2.37	26.0	-0.7	
16,255.0	82.88	357.44	12,387.7	3,795.1	-422.9	11.47	11.01	3.22	32.3	5.1	
16,348.0	85.43	358.23	12,380.9	3,887.8	-426.4	2.87	2.74	0.85	27.4	7.8	
16,442.0	96.31	358.85	12,371.3	3,881.3	-428.8	1.14	0.94	0.68	19.6	9.4	
16,535.0	93.45	359.64	12,363.4	4,073.9	-430.0	3.19	-3.08	0.85	13.8	9.9	
16,628.0	92.44	358.23	12,358.6	4,166.8	-431.7	1.88	-1.09	-1.52	10.6	10.8	
16,722.0	95.96	358.50	12,351.8	4,260.5	-434.4	3.78	3.74	0.29	5.8	12.7	
16,816.0	94.59	359.38	12,343.1	4,354.0	-436.1	1.73	-1.46	0.94	-1.2	13.6	
16,908.0	82.66	0.70	12,337.3	4,445.8	-438.0	2.54	-2.10	1.43	-5.2	12.8	
17,001.0	90.55	0.81	12,334.7	4,538.8	-435.0	2.27	-2.27	-0.10	-5.4	11.0	
17,094.0	90.48	0.87	12,333.9	4,631.6	-433.8	0.30	-0.10	0.28	-3.5	9.0	
17,188.0	90.55	0.78	12,333.1	4,725.8	-432.4	0.14	0.10	-0.10	-1.6	6.8	
17,282.0	93.41	1.57	12,329.8	4,819.7	-430.5	3.16	3.04	0.84	-2.0	4.1	
17,376.0	98.79	2.72	12,321.4	4,913.2	-427.0	3.80	3.60	1.22	-7.6	-0.2	
17,470.0	95.43	1.22	12,311.4	5,006.8	-423.8	2.15	-1.45	-1.60	-14.9	-4.2	
17,563.0	94.59	1.49	12,303.3	5,099.3	-421.6	0.95	-0.90	0.29	-20.3	-7.1	
17,657.0	92.79	0.70	12,297.3	5,193.0	-419.8	2.09	-1.91	-0.84	-23.5	-9.7	
17,750.0	92.92	1.75	12,292.6	5,285.9	-417.8	1.14	0.14	1.13	-25.4	-12.5	
17,843.0	89.88	0.26	12,290.3	5,378.8	-416.2	3.54	-3.18	-1.60	-25.0	-14.9	
17,938.0	89.71	0.43	12,290.5	5,473.8	-415.6	0.34	-0.28	0.18	-22.0	-16.2	
18,033.0	93.45	2.98	12,287.9	5,568.7	-412.8	4.78	3.94	2.68	-21.3	-19.8	
18,127.0	92.04	359.55	12,283.4	5,662.6	-410.7	3.94	-1.50	-3.65	-22.5	-22.7	
18,220.0	91.68	358.50	12,280.9	5,755.5	-412.3	1.53	-1.03	-1.13	-21.8	-21.9	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3457.0usft
Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3457.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (")	Adj (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	D Leg (°/100usft)	Bold (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
18,313.0	88.88	357.00	12,280.9	5,848.5	-416.0	2.86	-2.37	-1.61	-18.4	-19.0
18,407.0	89.85	351.82	12,282.0	5,942.0	-425.1	5.81	1.03	-5.51	-14.1	-10.6
18,500.0	90.02	356.65	12,282.1	6,034.5	-434.5	5.20	0.18	5.19	-10.6	-2.1
18,593.0	84.79	356.65	12,286.3	6,127.2	-439.9	5.82	-5.82	0.00	-3.1	2.6
18,687.0	90.77	357.97	12,289.9	6,221.0	-444.3	6.51	6.38	1.40	3.9	6.2
18,781.0	91.74	358.67	12,287.9	6,314.9	-447.0	1.27	1.03	0.74	5.1	6.1
18,874.0	89.01	359.38	12,287.3	6,407.9	-448.6	3.03	-2.94	0.78	7.8	6.9
18,967.0	94.02	359.60	12,284.8	6,500.8	-449.2	5.42	5.39	0.56	8.7	8.7
19,059.0	92.84	1.22	12,279.3	6,592.6	-448.3	1.92	-1.28	1.43	6.5	7.1
19,153.0	90.37	1.75	12,276.7	6,686.8	-445.6	2.89	-2.63	0.56	6.4	3.9
19,248.0	92.13	2.98	12,274.6	6,778.5	-442.0	2.31	1.89	1.32	6.1	-0.8
19,340.0	91.52	3.77	12,271.6	6,873.3	-436.5	1.08	-0.85	0.84	4.8	-7.1
19,433.0	90.29	2.18	12,270.2	6,966.1	-431.7	2.15	-1.32	-1.70	5.0	-12.7
19,527.0	91.38	2.01	12,268.8	7,060.0	-428.2	1.18	1.16	-0.19	5.4	-18.8
19,621.0	90.33	0.61	12,267.4	7,154.0	-426.1	1.86	-1.12	-1.49	5.7	-19.9
19,714.0	91.16	0.43	12,266.2	7,247.0	-425.2	0.91	0.89	-0.19	6.2	-21.5
19,808.0	92.70	1.31	12,263.0	7,340.8	-423.8	1.89	1.64	0.84	4.8	-23.7
19,902.0	94.07	1.79	12,257.5	7,434.7	-421.3	1.53	1.48	0.47	1.0	-27.0
19,975.0	94.07	1.75	12,252.3	7,507.5	-419.1	0.00	0.00	0.00	-2.9	-28.8

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/S (usft)	+E/W (usft)	Comment
11,920.0	11,895.8	-265.8	-384.1	KOP, MD:11920.0', TVD:11895.8', N/S:-265.8', E/W:-384.1', INC:2.33
12,193.7	12,154.2	-187.0	-355.8	FTP Crossing, MD:12193.7', TVD:12154.2', N/S:-187.0', E/W:-355.8', INC:33.82
19,902.0	12,257.5	7,434.7	-421.3	Last MWD Survey (MD=19902.0')
19,975.0	12,252.3	7,507.5	-419.1	Projection to Bit (MD=19975.0')



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3457.0ush
Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3457.0ush
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Checked By: _____	Approved By: _____	Date: _____
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Lea County, NM (NAD 83 NME)

Dillon 31 Fed Com #705H

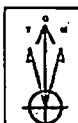
Plan #1

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

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Elevation: GRS 1985
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #705H

KB = 25' @ 3457.0m 3432.0
Northing: 415431.00 Easting: 758442.00
Latitude: 32° 10' 3.254 N Longitude: 103° 30' 8.233 W



Adjustments to Grid North
True North: 0.44°
Magnetic North: 6.32°
Magnetic Field
Strength: 47766.7 mT
Dip Angle: 66.00°
Date: 11/14/2018
Shot ID: 16042118

To convert a Magnetic Direction to a Grid Direction, Add 6.32°
To convert a Magnetic Direction to a True Direction, Add 8.77° East
To convert a True Direction to a Grid Direction, Subtract 6.44°

SECTION DETAILS

Sec	MD	Inc	Asi	TVD	+R/S	+E/W	Dleg	TFace	VSec	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	1500.1	6.00	238.32	1499.8	-8.2	-13.4	2.00	238.32	-7.4	
4	5515.0	6.00	238.32	5492.4	-228.8	-370.6	0.00	0.00	-206.3	
5	5815.1	0.00	0.00	5792.0	-237.0	-384.0	2.00	180.00	-213.7	
6	11858.9	0.00	0.00	11833.8	-237.0	-384.0	0.00	0.00	-213.7	
7	12704.2	69.58	359.52	12411.3	237.7	-358.0	12.00	359.52	260.4	TGT16(Dillon 31 Fed Com #705H)
8	13354.6	69.58	359.52	12415.0	818.1	-393.5	0.00	0.00	820.0	
9	13406.4	80.51	359.52	12414.9	833.9	-393.9	2.00	0.00	861.7	
10	13735.1	90.31	359.52	12412.0	1268.8	-396.6	0.00	0.00	1260.0	TGT72(Dillon 31 Fed Com #705H)
11	13773.3	91.31	359.52	12411.4	1308.8	-397.0	2.00	0.00	1330.1	
12	15928.8	91.31	359.52	12362.0	3459.4	-415.0	0.00	0.00	3478.0	TGT13(Dillon 31 Fed Com #705H)
13	15935.7	91.13	359.52	12361.8	3468.5	-415.1	2.00	180.00	3487.1	
14	16838.4	91.13	359.52	12342.0	4470.7	-423.4	0.00	0.00	4458.0	
15	16958.0	91.89	359.52	12341.3	4498.6	-423.7	2.00	0.00	4515.8	
16	17659.9	91.89	359.52	12312.0	5492.0	-432.0	0.00	0.00	5508.0	
17	17977.5	92.04	359.52	12311.4	5509.6	-432.2	2.00	0.00	5525.5	
18	19084.1	92.04	359.52	12272.0	6813.5	-441.4	0.00	0.00	6830.0	
19	19133.7	91.05	359.52	12270.7	6865.1	-441.8	2.00	180.00	6879.8	TGT25(Dillon 31 Fed Com #705H)
20	19908.8	91.05	359.52	12253.0	7520.0	-443.0	0.00	0.00	7533.4	PBHL(Dillon 31 Fed Com #705H)

CASING DETAILS

No casing data is available

WELLBORE CEMENT BOND LOG (CBL) RESULTS

Depth (ft)	TSR	TSR-1	TSR-2	TSR-3	TSR-4	TSR-5	TSR-6	TSR-7	TSR-8	TSR-9	TSR-10	TSR-11	TSR-12	TSR-13	TSR-14	TSR-15	TSR-16	TSR-17	TSR-18	TSR-19	TSR-20
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
13	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
17	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
18	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
19	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

