

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. 30-025-46954
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Caprock Yeso Area CYA C
8. Well Number 101H
9. OGRID Number 217817
10. Pool name or Wildcat Leamex;Paddock

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 ConocoPhillips Company	
3. Address of Operator PO Box 2197, Houston, TX 77252	
4. Well Location Unit Letter L : 2526 feet from the S line and 531 feet from the W line Section 23 Township 17S Range 33E NMPM County Lea	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4145	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

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.

ConocoPhillips respectfully requests approval to amend the wellbore path of the subject well, including the First Take Point, Last Take Point, and Bottom Hole location.

In support of this request, the following documents are included:

1. Revised Form C-101
2. Revised Form C-102 Well Location and Acreage Dedication Plat
3. Revised Well Planning Report
4. Revised Directional Survey

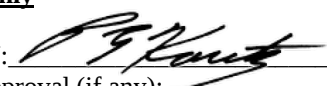
Spud Date:

Rig Release Date:

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

SIGNATURE _____ TITLE **Regulatory Coordinator** DATE **12/21/2020**

Type or print name **Coby Lee Lazarine** E-mail address: **coby.l.lazarine@conocophillips.com** PHONE: **281-206-5324**
For State Use Only

APPROVED BY:  TITLE _____ DATE **01/31/2021**
 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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811 S. First St., Artesia, NM 88210
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District III
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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 30-025-46954		² Pool Code 37800		³ Pool Name Leamex;Paddock					
⁴ Property Code 327230		⁵ Property Name Caprock Yeso Area CYA C						⁶ Well Number 101H	
⁷ OGRID No. 217817		⁸ Operator Name ConocoPhillips Company						⁹ Elevation 4144.9'	

¹⁰ Surface Location

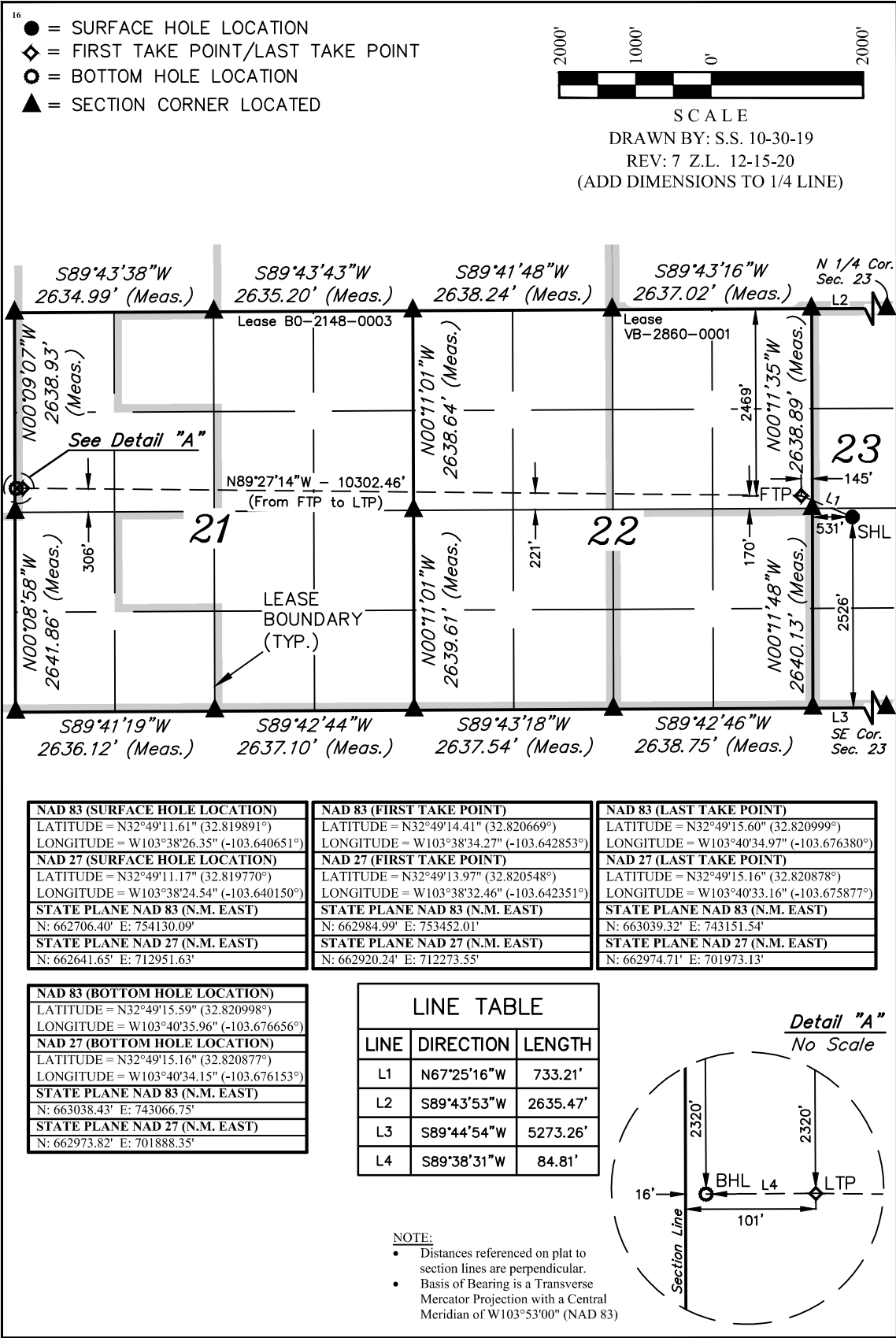
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	23	17S	33E		2526	SOUTH	531	WEST	LEA

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
E	21	17S	33E		2320	NORTH	16	WEST	LEA

¹² Dedicated Acres 320		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.



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.

Coby Lee Lazarine	12/21/20
Signature	Date
Coby Lee Lazarine	
Printed Name	
coby.l.lazarine@cop.com	
E-mail Address	

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.

October 1, 2019

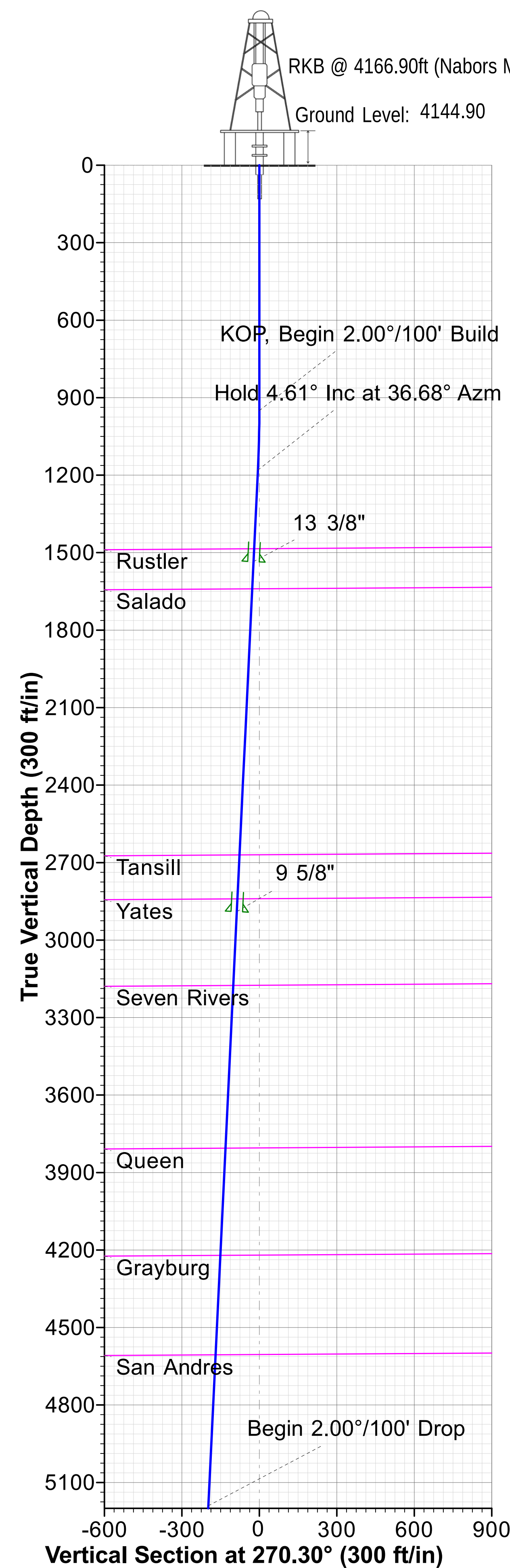
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:



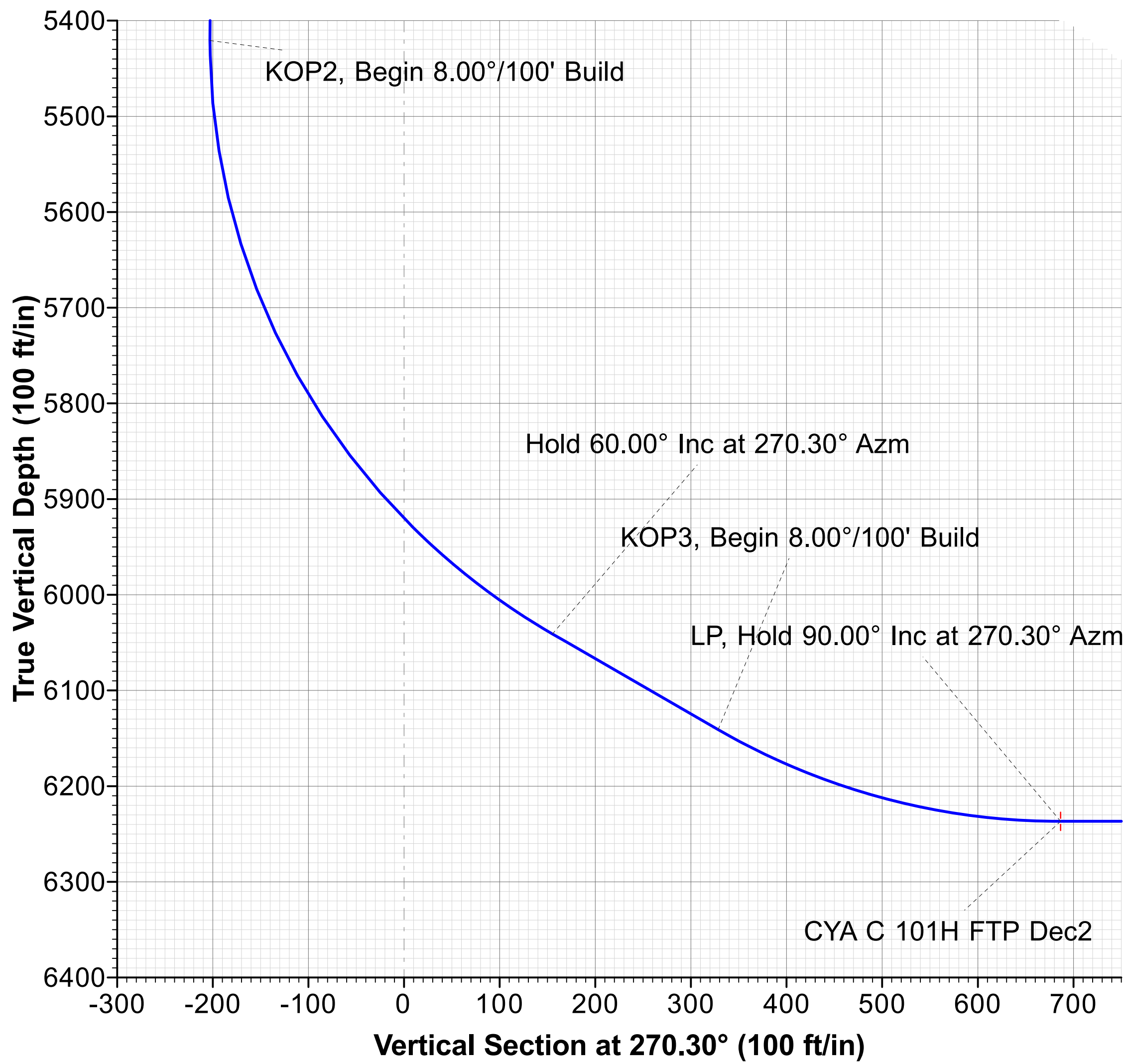
Project: Planning - NM East State Zone - 3001
Site: Caprock CYA C 101H
Well: 10k CYA C 101H
Wellbore: OH
Design: Plan 5 Dec 2
Rig: Nabors M51



WELL DETAILS					
Ground Level: 4144.90					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	662641.419	712951.578	32° 49' 11.170 N	103° 38' 24.540 W

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL 10k - CYA C 101H	6166.90	332.39	-11063.68	662973.796	701888.347	32° 49' 15.158 N	103° 40' 34.152 W
CYA C 101H AZI Change	6236.90	301.89	-5170.79	662943.300	707781.000	32° 49' 14.488 N	103° 39' 25.105 W
CYA C 101H FTP Dec2	6236.90	278.79	-685.12	662920.196	712266.482	32° 49' 13.973 N	103° 38' 32.546 W

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	950.00	0.00	0.00	950.00	0.00	0.00	0.00	0.00	0.00		KOP, Begin 2.00°/100' Build
3	1180.52	4.61	36.68	1180.28	7.43	5.54	2.00	36.68	-5.50		Hold 4.61° Inc at 36.68° Azm
4	5203.69	4.61	36.68	5190.43	266.77	198.73	0.00	0.00	-197.33		Begin 2.00°/100' Drop
5	5434.22	0.00	270.30	5420.70	274.21	204.27	2.00	180.00	-202.83		KOP2, Begin 8.00°/100' Build
6	6184.22	60.00	270.30	6040.95	276.05	-153.83	8.00	0.00	155.27		Hold 60.00° Inc at 270.30° Azm
7	6384.22	60.00	270.30	6140.95	276.94	-327.03	0.00	0.00	328.48		KOP3, Begin 8.00°/100' Build
8	6759.22	90.00	270.30	6236.90	278.79	-685.12	8.00	0.00	686.57		LP, Hold 90.00° Inc at 270.30° Azm
9	11244.94	90.00	270.30	6236.90	301.89	-5170.79	0.00	0.00	5172.30		CYA C 101H FTP Dec2
10	17137.94	91.30	270.30	6170.05	332.50	-11063.21	0.02	0.22	11064.79		CYA C 101H AZI Change
											TD at 17137.94



Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone Name: New Mexico East 3001

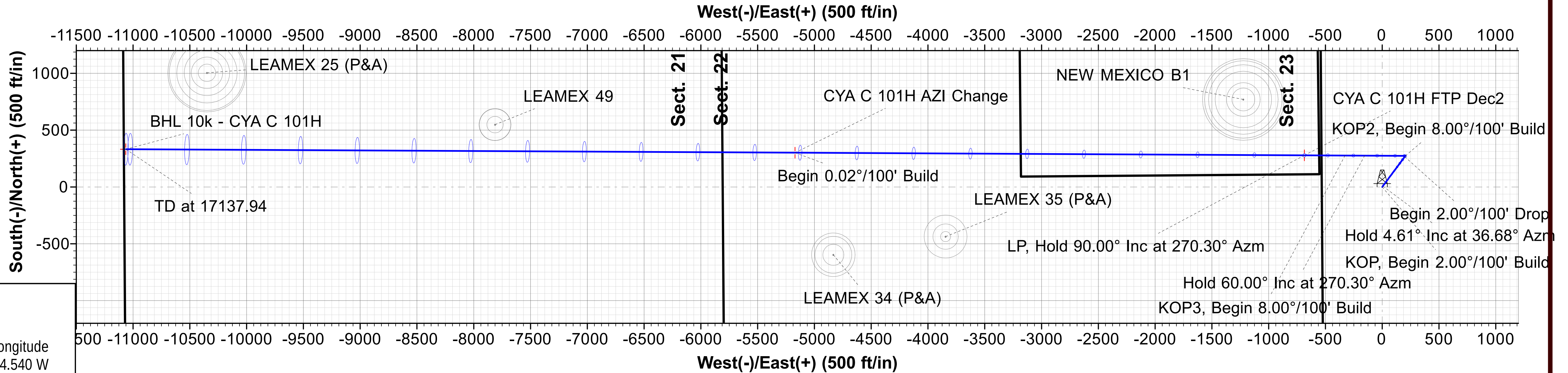
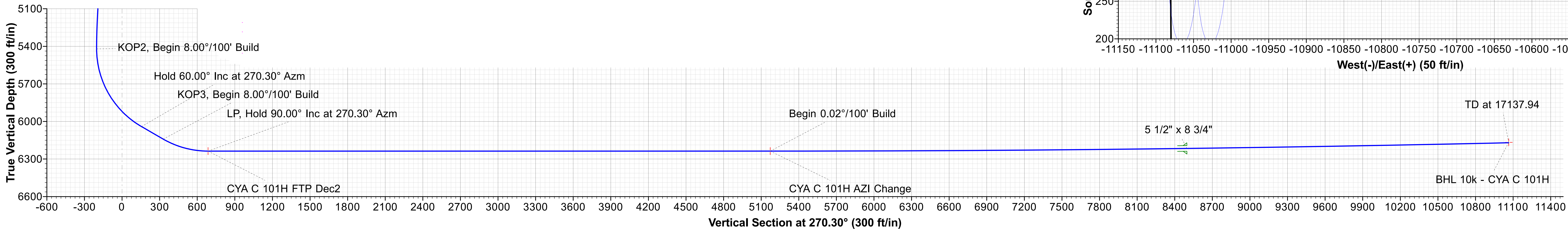
Local Origin: Well 10k CYA C 101H, Grid North

Latitude: 32° 49' 11.170 N
Longitude: 103° 38' 24.540 W

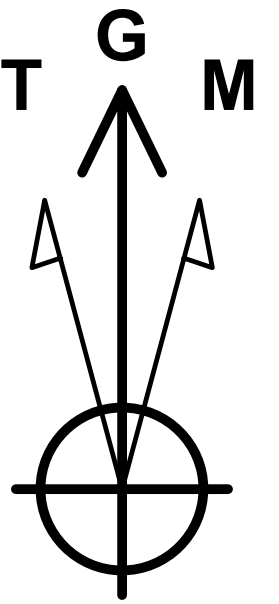
Grid East: 712951.578
Grid North: 662641.419
Scale Factor: 1.000

Geomagnetic Model: BGGM2020
Sample Date: 01-Jan-21
Magnetic Declination: 6.66°
Dip Angle from Horizontal: 60.60°
Magnetic Field Strength: 47838.18698305nT

To convert a Magnetic Direction to a Grid Direction, Add 6.28°
To convert a Magnetic Direction to a True Direction, Add 6.66° East
To convert a True Direction to a Grid Direction, Subtract 0.38°

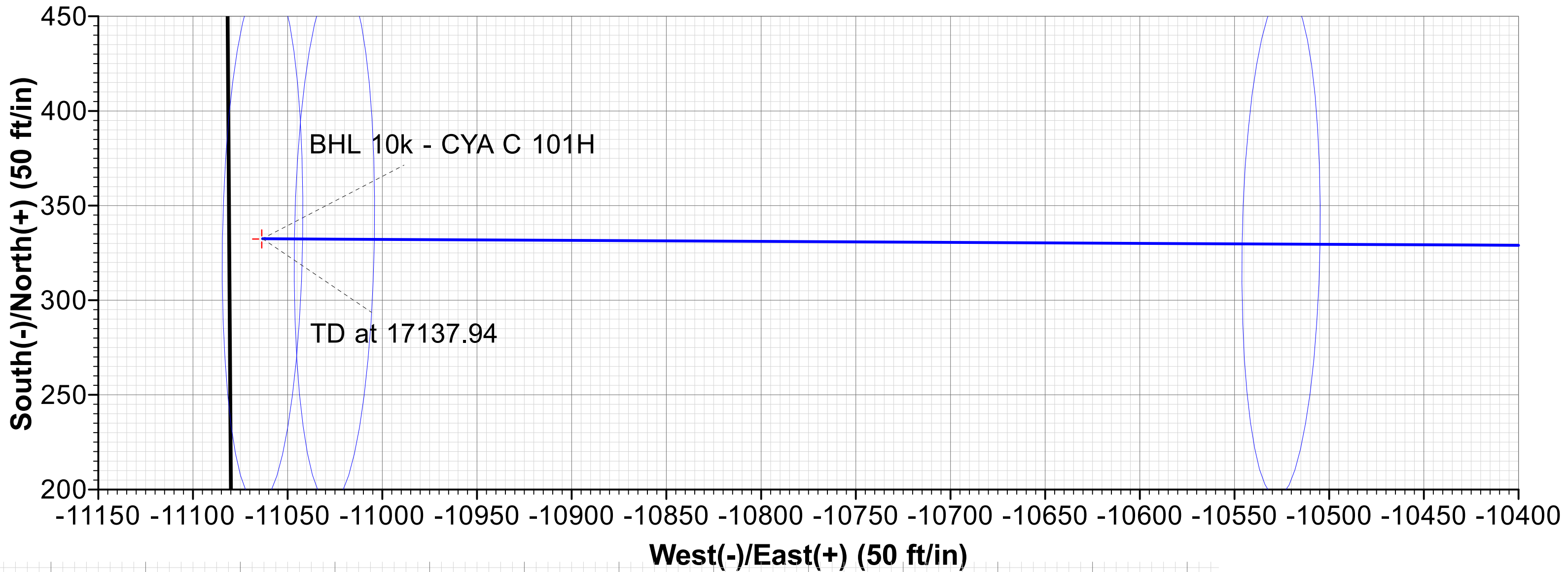
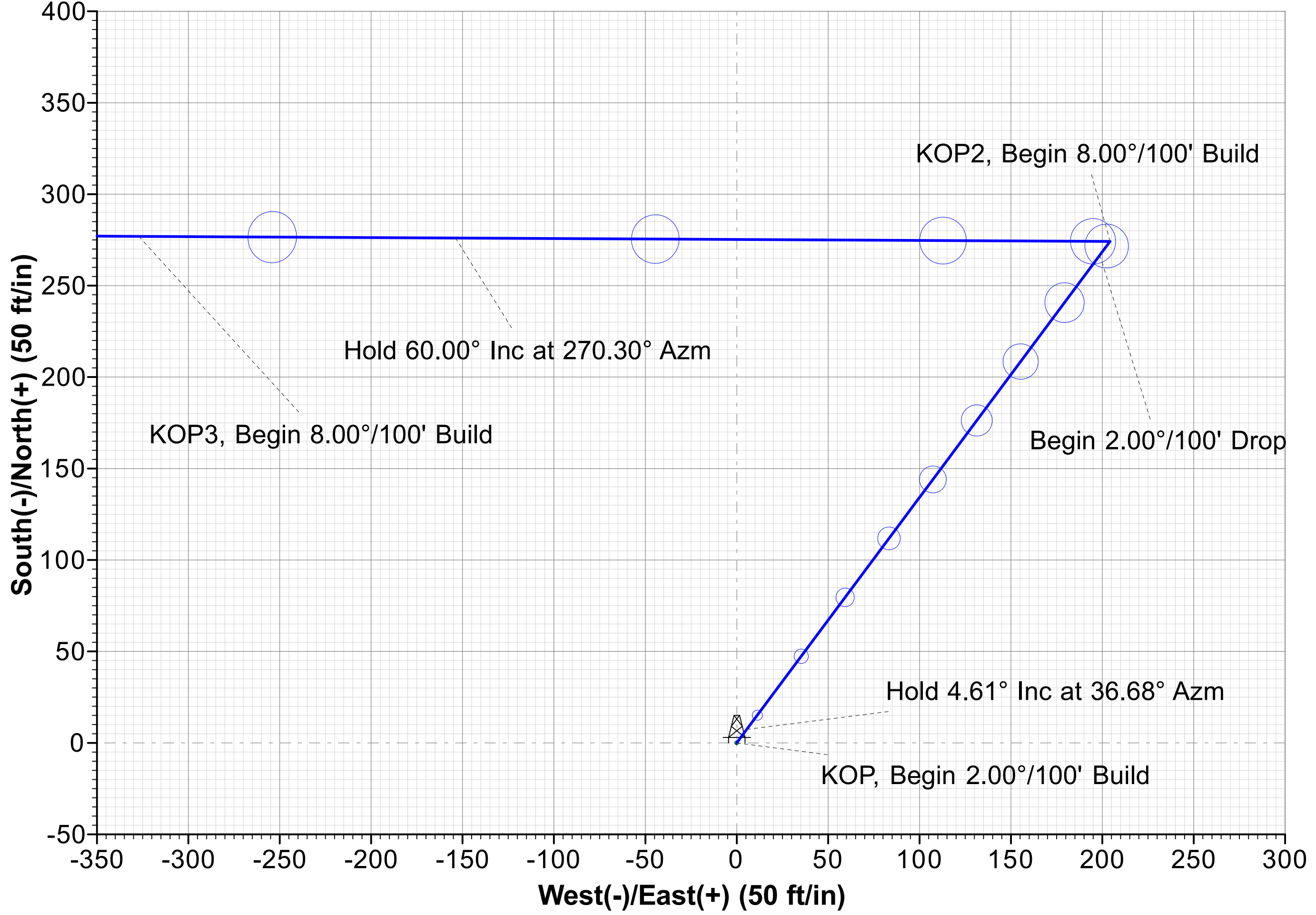


LEGEND	
—	LEAMEX 25 (P&A), LEAMEX 25, LEAMEX 25 V0
—	LEAMEX 34 (P&A), LEAMEX 34, LEAMEX 34 V0
—	LEAMEX 35 (P&A), LEAMEX 35 (P&A), LEAMEX 35 (P&A) V0
—	LEAMEX 49, LEAMEX 49, LEAMEX 49 V0
—	NEW MEXICO B1, NEW MEXICO B1, NEW MEXICO B1 V0
—	Plan 5 Dec 2



Azimuths to Grid North
True North: -0.38°
Magnetic North: 6.28°

Magnetic Field
Strength: 47838.2nT
Dip Angle: 60.60°
Date: 1/1/2021
Model: BGGM2020



ConocoPhillips MCBU - Permian-Panhandle Gold Data

Planning - NM East State Zone - 3001

Caprock CYA C 101H

10k CYA C 101H

OH

Plan: Plan 5 Dec 2

Standard Planning Report

30 December, 2020

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well 10k CYA C 101H
Company:	ConocoPhillips MCBU - Permian-Panhandle Gold Data	TVD Reference:	RKB @ 4166.90ft (Nabors M51)
Project:	Planning - NM East State Zone - 3001	MD Reference:	RKB @ 4166.90ft (Nabors M51)
Site:	Caprock CYA C 101H	North Reference:	Grid
Well:	10k CYA C 101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 5 Dec 2		

Project	Planning - NM East State Zone - 3001, Permian Basin - New Mexico - East/South East, Planning Project for Permian wells in NM Zone 3001		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		Using geodetic scale factor

Site	Caprock CYA C 101H		
Site Position:		Northing:	662,641.621 usft
From:	Lat/Long	Easting:	712,951.577 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16"
		Latitude:	32° 49' 11.172 N
		Longitude:	103° 38' 24.540 W
		Grid Convergence:	0.38 °

Well	10k CYA C 101H		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	4,144.90 ft
		Latitude:	32° 49' 11.170 N
		Longitude:	103° 38' 24.540 W
		Ground Level:	4,144.90 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2020	1/1/2021	6.66
			Dip Angle
			(°)
			60.60
			Field Strength
			(nT)
			47,838.18698305

Design	Plan 5 Dec 2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction
			(°)
			270.30

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(ft)	(ft)	Rate	Rate	Rate	(°)	
(ft)			(ft)			(°/100ft)	(°/100ft)	(°/100ft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
950.00	0.00	0.00	950.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,180.52	4.61	36.68	1,180.28	7.43	5.54	2.00	2.00	0.00	36.68	
5,203.69	4.61	36.68	5,190.43	266.77	198.73	0.00	0.00	0.00	0.00	
5,434.22	0.00	270.30	5,420.70	274.21	204.27	2.00	-2.00	0.00	180.00	
6,184.22	60.00	270.30	6,040.95	276.05	-153.83	8.00	8.00	0.00	0.00	
6,384.22	60.00	270.30	6,140.95	276.94	-327.03	0.00	0.00	0.00	0.00	
6,759.22	90.00	270.30	6,236.90	278.79	-685.12	8.00	8.00	0.00	0.00	CYA C 101H FTP Dec
11,244.94	90.00	270.30	6,236.90	301.89	-5,170.79	0.00	0.00	0.00	0.00	CYA C 101H AZI Chai
17,137.94	91.30	270.30	6,170.05	332.50	-11,063.21	0.02	0.02	0.00	0.22	

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well 10k CYA C 101H
Company:	ConocoPhillips MCBU - Permian-Panhandle Gold Data	TVD Reference:	RKB @ 4166.90ft (Nabors M51)
Project:	Planning - NM East State Zone - 3001	MD Reference:	RKB @ 4166.90ft (Nabors M51)
Site:	Caprock CYA C 101H	North Reference:	Grid
Well:	10k CYA C 101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 5 Dec 2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
950.00	0.00	0.00	950.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	1.00	36.68	1,000.00	0.35	0.26	-0.26	2.00	2.00	0.00
1,100.00	3.00	36.68	1,099.93	3.15	2.35	-2.33	2.00	2.00	0.00
1,180.52	4.61	36.68	1,180.28	7.43	5.54	-5.50	2.00	2.00	0.00
1,200.00	4.61	36.68	1,199.69	8.69	6.47	-6.43	0.00	0.00	0.00
1,300.00	4.61	36.68	1,299.36	15.14	11.27	-11.20	0.00	0.00	0.00
1,400.00	4.61	36.68	1,399.04	21.58	16.08	-15.96	0.00	0.00	0.00
1,500.00	4.61	36.68	1,498.72	28.03	20.88	-20.73	0.00	0.00	0.00
1,600.00	4.61	36.68	1,598.39	34.47	25.68	-25.50	0.00	0.00	0.00
1,700.00	4.61	36.68	1,698.07	40.92	30.48	-30.27	0.00	0.00	0.00
1,800.00	4.61	36.68	1,797.75	47.37	35.28	-35.04	0.00	0.00	0.00
1,900.00	4.61	36.68	1,897.42	53.81	40.09	-39.80	0.00	0.00	0.00
2,000.00	4.61	36.68	1,997.10	60.26	44.89	-44.57	0.00	0.00	0.00
2,100.00	4.61	36.68	2,096.78	66.70	49.69	-49.34	0.00	0.00	0.00
2,200.00	4.61	36.68	2,196.45	73.15	54.49	-54.11	0.00	0.00	0.00
2,300.00	4.61	36.68	2,296.13	79.60	59.29	-58.88	0.00	0.00	0.00
2,400.00	4.61	36.68	2,395.81	86.04	64.10	-63.65	0.00	0.00	0.00
2,500.00	4.61	36.68	2,495.48	92.49	68.90	-68.41	0.00	0.00	0.00
2,600.00	4.61	36.68	2,595.16	98.94	73.70	-73.18	0.00	0.00	0.00
2,700.00	4.61	36.68	2,694.83	105.38	78.50	-77.95	0.00	0.00	0.00
2,800.00	4.61	36.68	2,794.51	111.83	83.30	-82.72	0.00	0.00	0.00
2,900.00	4.61	36.68	2,894.19	118.27	88.11	-87.49	0.00	0.00	0.00
3,000.00	4.61	36.68	2,993.86	124.72	92.91	-92.25	0.00	0.00	0.00
3,100.00	4.61	36.68	3,093.54	131.17	97.71	-97.02	0.00	0.00	0.00
3,200.00	4.61	36.68	3,193.22	137.61	102.51	-101.79	0.00	0.00	0.00
3,300.00	4.61	36.68	3,292.89	144.06	107.31	-106.56	0.00	0.00	0.00
3,400.00	4.61	36.68	3,392.57	150.50	112.12	-111.33	0.00	0.00	0.00
3,500.00	4.61	36.68	3,492.25	156.95	116.92	-116.09	0.00	0.00	0.00
3,600.00	4.61	36.68	3,591.92	163.40	121.72	-120.86	0.00	0.00	0.00
3,700.00	4.61	36.68	3,691.60	169.84	126.52	-125.63	0.00	0.00	0.00
3,800.00	4.61	36.68	3,791.28	176.29	131.32	-130.40	0.00	0.00	0.00
3,900.00	4.61	36.68	3,890.95	182.74	136.13	-135.17	0.00	0.00	0.00
4,000.00	4.61	36.68	3,990.63	189.18	140.93	-139.94	0.00	0.00	0.00
4,100.00	4.61	36.68	4,090.30	195.63	145.73	-144.70	0.00	0.00	0.00
4,200.00	4.61	36.68	4,189.98	202.07	150.53	-149.47	0.00	0.00	0.00
4,300.00	4.61	36.68	4,289.66	208.52	155.33	-154.24	0.00	0.00	0.00
4,400.00	4.61	36.68	4,389.33	214.97	160.14	-159.01	0.00	0.00	0.00
4,500.00	4.61	36.68	4,489.01	221.41	164.94	-163.78	0.00	0.00	0.00
4,600.00	4.61	36.68	4,588.69	227.86	169.74	-168.54	0.00	0.00	0.00
4,700.00	4.61	36.68	4,688.36	234.30	174.54	-173.31	0.00	0.00	0.00
4,800.00	4.61	36.68	4,788.04	240.75	179.34	-178.08	0.00	0.00	0.00
4,900.00	4.61	36.68	4,887.72	247.20	184.15	-182.85	0.00	0.00	0.00
5,000.00	4.61	36.68	4,987.39	253.64	188.95	-187.62	0.00	0.00	0.00
5,100.00	4.61	36.68	5,087.07	260.09	193.75	-192.38	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well 10k CYA C 101H
Company:	ConocoPhillips MCBU - Permian-Panhandle Gold Data	TVD Reference:	RKB @ 4166.90ft (Nabors M51)
Project:	Planning - NM East State Zone - 3001	MD Reference:	RKB @ 4166.90ft (Nabors M51)
Site:	Caprock CYA C 101H	North Reference:	Grid
Well:	10k CYA C 101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 5 Dec 2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,203.69	4.61	36.68	5,190.43	266.77	198.73	-197.33	0.00	0.00	0.00
5,300.00	2.68	36.68	5,286.53	271.69	202.39	-200.96	2.00	-2.00	0.00
5,400.00	0.68	36.68	5,386.49	274.04	204.14	-202.71	2.00	-2.00	0.00
5,434.22	0.00	270.30	5,420.70	274.21	204.27	-202.83	2.00	-2.00	0.00
5,450.00	1.26	270.30	5,436.48	274.21	204.09	-202.65	8.00	8.00	0.00
5,500.00	5.26	270.30	5,486.39	274.22	201.25	-199.81	8.00	8.00	0.00
5,550.00	9.26	270.30	5,535.98	274.26	194.93	-193.49	8.00	8.00	0.00
5,600.00	13.26	270.30	5,585.01	274.31	185.16	-183.73	8.00	8.00	0.00
5,650.00	17.26	270.30	5,633.23	274.37	172.01	-170.57	8.00	8.00	0.00
5,700.00	21.26	270.30	5,680.43	274.46	155.51	-154.08	8.00	8.00	0.00
5,750.00	25.26	270.30	5,726.35	274.56	135.77	-134.33	8.00	8.00	0.00
5,800.00	29.26	270.30	5,770.79	274.68	112.87	-111.43	8.00	8.00	0.00
5,850.00	33.26	270.30	5,813.52	274.81	86.93	-85.49	8.00	8.00	0.00
5,900.00	37.26	270.30	5,854.34	274.96	58.07	-56.63	8.00	8.00	0.00
5,950.00	41.26	270.30	5,893.04	275.12	26.43	-24.99	8.00	8.00	0.00
6,000.00	45.26	270.30	5,929.45	275.30	-7.83	9.27	8.00	8.00	0.00
6,050.00	49.26	270.30	5,963.37	275.49	-44.54	45.98	8.00	8.00	0.00
6,100.00	53.26	270.30	5,994.65	275.69	-83.53	84.98	8.00	8.00	0.00
6,150.00	57.26	270.30	6,023.14	275.90	-124.61	126.06	8.00	8.00	0.00
6,184.22	60.00	270.30	6,040.95	276.05	-153.83	155.27	8.00	8.00	0.00
6,200.00	60.00	270.30	6,048.84	276.12	-167.49	168.94	0.00	0.00	0.00
6,300.00	60.00	270.30	6,098.84	276.57	-254.10	255.54	0.00	0.00	0.00
6,384.22	60.00	270.30	6,140.95	276.94	-327.03	328.48	0.00	0.00	0.00
6,400.00	61.26	270.30	6,148.69	277.01	-340.78	342.23	8.00	8.00	0.00
6,450.00	65.26	270.30	6,171.18	277.24	-385.43	386.87	8.00	8.00	0.00
6,500.00	69.26	270.30	6,190.50	277.48	-431.53	432.98	8.00	8.00	0.00
6,550.00	73.26	270.30	6,206.56	277.73	-478.87	480.32	8.00	8.00	0.00
6,600.00	77.26	270.30	6,219.27	277.98	-527.22	528.66	8.00	8.00	0.00
6,650.00	81.26	270.30	6,228.59	278.23	-576.33	577.78	8.00	8.00	0.00
6,700.00	85.26	270.30	6,234.45	278.48	-625.97	627.42	8.00	8.00	0.00
6,750.00	89.26	270.30	6,236.84	278.74	-675.91	677.36	8.00	8.00	0.00
6,759.22	90.00	270.30	6,236.90	278.79	-685.12	686.57	8.00	8.00	0.00
6,800.00	90.00	270.30	6,236.90	279.00	-725.91	727.36	0.00	0.00	0.00
6,900.00	90.00	270.30	6,236.90	279.51	-825.90	827.36	0.00	0.00	0.00
7,000.00	90.00	270.30	6,236.90	280.03	-925.90	927.36	0.00	0.00	0.00
7,100.00	90.00	270.30	6,236.90	280.54	-1,025.90	1,027.36	0.00	0.00	0.00
7,200.00	90.00	270.30	6,236.90	281.06	-1,125.90	1,127.36	0.00	0.00	0.00
7,300.00	90.00	270.30	6,236.90	281.57	-1,225.90	1,227.36	0.00	0.00	0.00
7,400.00	90.00	270.30	6,236.90	282.09	-1,325.90	1,327.36	0.00	0.00	0.00
7,500.00	90.00	270.30	6,236.90	282.60	-1,425.90	1,427.36	0.00	0.00	0.00
7,600.00	90.00	270.30	6,236.90	283.12	-1,525.89	1,527.36	0.00	0.00	0.00
7,700.00	90.00	270.30	6,236.90	283.63	-1,625.89	1,627.36	0.00	0.00	0.00
7,800.00	90.00	270.30	6,236.90	284.15	-1,725.89	1,727.36	0.00	0.00	0.00
7,900.00	90.00	270.30	6,236.90	284.66	-1,825.89	1,827.36	0.00	0.00	0.00
8,000.00	90.00	270.30	6,236.90	285.18	-1,925.89	1,927.36	0.00	0.00	0.00
8,100.00	90.00	270.30	6,236.90	285.69	-2,025.89	2,027.36	0.00	0.00	0.00
8,200.00	90.00	270.30	6,236.90	286.21	-2,125.89	2,127.36	0.00	0.00	0.00
8,300.00	90.00	270.30	6,236.90	286.72	-2,225.89	2,227.36	0.00	0.00	0.00
8,400.00	90.00	270.30	6,236.90	287.24	-2,325.88	2,327.36	0.00	0.00	0.00
8,500.00	90.00	270.30	6,236.90	287.75	-2,425.88	2,427.36	0.00	0.00	0.00
8,600.00	90.00	270.30	6,236.90	288.27	-2,525.88	2,527.36	0.00	0.00	0.00
8,700.00	90.00	270.30	6,236.90	288.78	-2,625.88	2,627.36	0.00	0.00	0.00
8,800.00	90.00	270.30	6,236.90	289.30	-2,725.88	2,727.36	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well 10k CYA C 101H
Company:	ConocoPhillips MCBU - Permian-Panhandle Gold Data	TVD Reference:	RKB @ 4166.90ft (Nabors M51)
Project:	Planning - NM East State Zone - 3001	MD Reference:	RKB @ 4166.90ft (Nabors M51)
Site:	Caprock CYA C 101H	North Reference:	Grid
Well:	10k CYA C 101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 5 Dec 2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,900.00	90.00	270.30	6,236.90	289.82	-2,825.88	2,827.36	0.00	0.00	0.00
9,000.00	90.00	270.30	6,236.90	290.33	-2,925.88	2,927.36	0.00	0.00	0.00
9,100.00	90.00	270.30	6,236.90	290.85	-3,025.87	3,027.36	0.00	0.00	0.00
9,200.00	90.00	270.30	6,236.90	291.36	-3,125.87	3,127.36	0.00	0.00	0.00
9,300.00	90.00	270.30	6,236.90	291.88	-3,225.87	3,227.36	0.00	0.00	0.00
9,400.00	90.00	270.30	6,236.90	292.39	-3,325.87	3,327.36	0.00	0.00	0.00
9,500.00	90.00	270.30	6,236.90	292.91	-3,425.87	3,427.36	0.00	0.00	0.00
9,600.00	90.00	270.30	6,236.90	293.42	-3,525.87	3,527.36	0.00	0.00	0.00
9,700.00	90.00	270.30	6,236.90	293.94	-3,625.87	3,627.36	0.00	0.00	0.00
9,800.00	90.00	270.30	6,236.90	294.45	-3,725.87	3,727.36	0.00	0.00	0.00
9,900.00	90.00	270.30	6,236.90	294.97	-3,825.86	3,827.36	0.00	0.00	0.00
10,000.00	90.00	270.30	6,236.90	295.48	-3,925.86	3,927.36	0.00	0.00	0.00
10,100.00	90.00	270.30	6,236.90	296.00	-4,025.86	4,027.36	0.00	0.00	0.00
10,200.00	90.00	270.30	6,236.90	296.51	-4,125.86	4,127.36	0.00	0.00	0.00
10,300.00	90.00	270.30	6,236.90	297.03	-4,225.86	4,227.36	0.00	0.00	0.00
10,400.00	90.00	270.30	6,236.90	297.54	-4,325.86	4,327.36	0.00	0.00	0.00
10,500.00	90.00	270.30	6,236.90	298.06	-4,425.86	4,427.36	0.00	0.00	0.00
10,600.00	90.00	270.30	6,236.90	298.57	-4,525.85	4,527.36	0.00	0.00	0.00
10,700.00	90.00	270.30	6,236.90	299.09	-4,625.85	4,627.36	0.00	0.00	0.00
10,800.00	90.00	270.30	6,236.90	299.60	-4,725.85	4,727.36	0.00	0.00	0.00
10,900.00	90.00	270.30	6,236.90	300.12	-4,825.85	4,827.36	0.00	0.00	0.00
11,000.00	90.00	270.30	6,236.90	300.63	-4,925.85	4,927.36	0.00	0.00	0.00
11,100.00	90.00	270.30	6,236.90	301.15	-5,025.85	5,027.36	0.00	0.00	0.00
11,200.00	90.00	270.30	6,236.90	301.66	-5,125.85	5,127.36	0.00	0.00	0.00
11,244.94	90.00	270.30	6,236.90	301.89	-5,170.79	5,172.30	0.00	0.00	0.00
11,300.00	90.01	270.30	6,236.89	302.18	-5,225.85	5,227.36	0.02	0.02	0.00
11,400.00	90.03	270.30	6,236.85	302.69	-5,325.84	5,327.36	0.02	0.02	0.00
11,500.00	90.06	270.30	6,236.77	303.21	-5,425.84	5,427.36	0.02	0.02	0.00
11,600.00	90.08	270.30	6,236.66	303.72	-5,525.84	5,527.36	0.02	0.02	0.00
11,700.00	90.10	270.30	6,236.50	304.24	-5,625.84	5,627.36	0.02	0.02	0.00
11,800.00	90.12	270.30	6,236.31	304.75	-5,725.84	5,727.36	0.02	0.02	0.00
11,900.00	90.14	270.30	6,236.07	305.27	-5,825.84	5,827.36	0.02	0.02	0.00
12,000.00	90.17	270.30	6,235.80	305.79	-5,925.84	5,927.36	0.02	0.02	0.00
12,100.00	90.19	270.30	6,235.49	306.30	-6,025.83	6,027.35	0.02	0.02	0.00
12,200.00	90.21	270.30	6,235.14	306.82	-6,125.83	6,127.35	0.02	0.02	0.00
12,300.00	90.23	270.30	6,234.76	307.34	-6,225.83	6,227.35	0.02	0.02	0.00
12,400.00	90.25	270.30	6,234.33	307.85	-6,325.83	6,327.35	0.02	0.02	0.00
12,500.00	90.28	270.30	6,233.87	308.37	-6,425.82	6,427.35	0.02	0.02	0.00
12,600.00	90.30	270.30	6,233.37	308.89	-6,525.82	6,527.35	0.02	0.02	0.00
12,700.00	90.32	270.30	6,232.82	309.40	-6,625.82	6,627.35	0.02	0.02	0.00
12,800.00	90.34	270.30	6,232.24	309.92	-6,725.82	6,727.35	0.02	0.02	0.00
12,900.00	90.37	270.30	6,231.63	310.44	-6,825.81	6,827.34	0.02	0.02	0.00
13,000.00	90.39	270.30	6,230.97	310.96	-6,925.81	6,927.34	0.02	0.02	0.00
13,100.00	90.41	270.30	6,230.28	311.47	-7,025.81	7,027.34	0.02	0.02	0.00
13,200.00	90.43	270.30	6,229.54	311.99	-7,125.80	7,127.34	0.02	0.02	0.00
13,300.00	90.45	270.30	6,228.77	312.51	-7,225.80	7,227.33	0.02	0.02	0.00
13,400.00	90.48	270.30	6,227.96	313.03	-7,325.79	7,327.33	0.02	0.02	0.00
13,500.00	90.50	270.30	6,227.11	313.55	-7,425.79	7,427.33	0.02	0.02	0.00
13,600.00	90.52	270.30	6,226.22	314.06	-7,525.78	7,527.32	0.02	0.02	0.00
13,700.00	90.54	270.30	6,225.30	314.58	-7,625.78	7,627.32	0.02	0.02	0.00
13,800.00	90.56	270.30	6,224.33	315.10	-7,725.77	7,727.31	0.02	0.02	0.00
13,900.00	90.59	270.30	6,223.33	315.62	-7,825.76	7,827.31	0.02	0.02	0.00
14,000.00	90.61	270.30	6,222.29	316.14	-7,925.76	7,927.30	0.02	0.02	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well 10k CYA C 101H
Company:	ConocoPhillips MCBU - Permian-Panhandle Gold Data	TVD Reference:	RKB @ 4166.90ft (Nabors M51)
Project:	Planning - NM East State Zone - 3001	MD Reference:	RKB @ 4166.90ft (Nabors M51)
Site:	Caprock CYA C 101H	North Reference:	Grid
Well:	10k CYA C 101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 5 Dec 2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14,100.00	90.63	270.30	6,221.21	316.66	-8,025.75	8,027.30	0.02	0.02	0.00
14,200.00	90.65	270.30	6,220.09	317.18	-8,125.74	8,127.29	0.02	0.02	0.00
14,300.00	90.67	270.30	6,218.93	317.70	-8,225.74	8,227.29	0.02	0.02	0.00
14,400.00	90.70	270.30	6,217.74	318.22	-8,325.73	8,327.28	0.02	0.02	0.00
14,500.00	90.72	270.30	6,216.50	318.74	-8,425.72	8,427.27	0.02	0.02	0.00
14,600.00	90.74	270.30	6,215.23	319.26	-8,525.71	8,527.26	0.02	0.02	0.00
14,700.00	90.76	270.30	6,213.92	319.78	-8,625.70	8,627.25	0.02	0.02	0.00
14,800.00	90.78	270.30	6,212.57	320.30	-8,725.69	8,727.25	0.02	0.02	0.00
14,900.00	90.81	270.30	6,211.18	320.82	-8,825.68	8,827.24	0.02	0.02	0.00
15,000.00	90.83	270.30	6,209.76	321.34	-8,925.67	8,927.23	0.02	0.02	0.00
15,100.00	90.85	270.30	6,208.29	321.86	-9,025.65	9,027.21	0.02	0.02	0.00
15,200.00	90.87	270.30	6,206.79	322.38	-9,125.64	9,127.20	0.02	0.02	0.00
15,300.00	90.89	270.30	6,205.25	322.90	-9,225.63	9,227.19	0.02	0.02	0.00
15,400.00	90.92	270.30	6,203.66	323.42	-9,325.61	9,327.18	0.02	0.02	0.00
15,500.00	90.94	270.30	6,202.05	323.94	-9,425.60	9,427.17	0.02	0.02	0.00
15,600.00	90.96	270.30	6,200.39	324.46	-9,525.58	9,527.15	0.02	0.02	0.00
15,700.00	90.98	270.30	6,198.69	324.98	-9,625.57	9,627.14	0.02	0.02	0.00
15,800.00	91.00	270.30	6,196.96	325.50	-9,725.55	9,727.12	0.02	0.02	0.00
15,900.00	91.03	270.30	6,195.18	326.03	-9,825.53	9,827.11	0.02	0.02	0.00
16,000.00	91.05	270.30	6,193.37	326.55	-9,925.52	9,927.09	0.02	0.02	0.00
16,100.00	91.07	270.30	6,191.52	327.07	-10,025.50	10,027.07	0.02	0.02	0.00
16,200.00	91.09	270.30	6,189.64	327.59	-10,125.48	10,127.06	0.02	0.02	0.00
16,300.00	91.12	270.30	6,187.71	328.11	-10,225.46	10,227.04	0.02	0.02	0.00
16,400.00	91.14	270.30	6,185.74	328.64	-10,325.44	10,327.02	0.02	0.02	0.00
16,500.00	91.16	270.30	6,183.74	329.16	-10,425.42	10,427.00	0.02	0.02	0.00
16,600.00	91.18	270.30	6,181.70	329.68	-10,525.39	10,526.98	0.02	0.02	0.00
16,700.00	91.20	270.30	6,179.62	330.20	-10,625.37	10,626.96	0.02	0.02	0.00
16,800.00	91.23	270.30	6,177.50	330.73	-10,725.35	10,726.93	0.02	0.02	0.00
16,900.00	91.25	270.30	6,175.34	331.25	-10,825.32	10,826.91	0.02	0.02	0.00
17,000.00	91.27	270.30	6,173.14	331.77	-10,925.30	10,926.89	0.02	0.02	0.00
17,100.00	91.29	270.30	6,170.91	332.30	-11,025.27	11,026.86	0.02	0.02	0.00
17,137.94	91.30	270.30	6,170.05	332.50	-11,063.21	11,064.79	0.02	0.02	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well 10k CYA C 101H
Company:	ConocoPhillips MCBU - Permian-Panhandle Gold Data	TVD Reference:	RKB @ 4166.90ft (Nabors M51)
Project:	Planning - NM East State Zone - 3001	MD Reference:	RKB @ 4166.90ft (Nabors M51)
Site:	Caprock CYA C 101H	North Reference:	Grid
Well:	10k CYA C 101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 5 Dec 2		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
CYA C 101H Outside FT	0.00	0.00	10,466.90	352.38	-206.76	662,993.782	712,744.825	32° 49' 14.670 N	103° 38' 26.936 W
- plan misses target center by 4253.80ft at 6700.00ft MD (6234.45 TVD, 278.48 N, -625.97 E)									
- Point									
BHL v1 - CYA C 101H	0.00	0.00	6,250.00	362.31	-8,414.66	663,003.713	704,537.267	32° 49' 15.290 N	103° 40' 3.110 W
- plan misses target center by 54.92ft at 14488.75ft MD (6216.64 TVD, 318.68 N, -8414.47 E)									
- Point									
BHL 10k - CYA C 101H	0.00	0.00	6,166.90	332.39	-11,063.68	662,973.796	701,888.347	32° 49' 15.158 N	103° 40' 34.152 W
- plan misses target center by 3.19ft at 17137.94ft MD (6170.05 TVD, 332.50 N, -11063.21 E)									
- Point									
CYA C 101H BHL	0.00	0.00	6,250.00	361.86	-8,433.84	663,003.269	704,518.085	32° 49' 15.287 N	103° 40' 3.335 W
- plan misses target center by 54.64ft at 14507.92ft MD (6216.40 TVD, 318.78 N, -8433.64 E)									
- Point									
FTP 10k - CYA C 101H	0.00	0.00	6,286.90	447.99	-686.37	663,089.389	712,265.239	32° 49' 15.647 N	103° 38' 32.548 W
- plan misses target center by 176.43ft at 6761.33ft MD (6236.90 TVD, 278.80 N, -687.24 E)									
- Point									
CYA C 101H FTP Dec2	0.00	0.00	6,236.90	278.79	-685.12	662,920.196	712,266.482	32° 49' 13.973 N	103° 38' 32.546 W
- plan hits target center									
- Point									
CYA C 101H AZI Change	0.00	0.00	6,236.90	301.89	-5,170.79	662,943.300	707,781.000	32° 49' 14.488 N	103° 39' 25.105 W
- plan hits target center									
- Point									
FTP v1 - CYA C 101H	0.00	0.00	6,300.00	448.00	-686.36	663,089.400	712,265.247	32° 49' 15.647 N	103° 38' 32.548 W
- plan misses target center by 180.59ft at 6761.33ft MD (6236.90 TVD, 278.80 N, -687.23 E)									
- Point									
FTP - CYA C 101H	0.00	0.00	6,300.00	351.49	-686.25	662,992.894	712,265.358	32° 49' 14.692 N	103° 38' 32.554 W
- plan misses target center by 96.26ft at 6760.72ft MD (6236.90 TVD, 278.80 N, -686.62 E)									
- Point									
CYA C 101H Inside FTP	0.00	0.00	6,300.00	351.49	-686.25	662,992.894	712,265.358	32° 49' 14.692 N	103° 38' 32.554 W
- plan misses target center by 96.26ft at 6760.72ft MD (6236.90 TVD, 278.80 N, -686.62 E)									
- Point									
BHL - CYA C 101H	0.00	0.00	6,250.00	361.86	-8,433.84	663,003.269	704,518.085	32° 49' 15.287 N	103° 40' 3.335 W
- plan misses target center by 54.64ft at 14507.92ft MD (6216.40 TVD, 318.78 N, -8433.64 E)									
- Point									
LTP v1 - CYA C 101H	0.00	0.00	6,250.55	361.84	-8,329.31	663,003.240	704,622.609	32° 49' 15.280 N	103° 40' 2.110 W
- plan misses target center by 54.59ft at 14403.41ft MD (6217.70 TVD, 318.23 N, -8329.13 E)									
- Point									

Casing Points					
	Measured Depth	Vertical Depth		Casing Diameter	Hole Diameter
	(ft)	(ft)	Name	(")	(")
	1,536.40	1,535.00	13 3/8"	13-3/8	17-1/2
	2,895.80	2,890.00	9 5/8"	9-5/8	12-1/4
	14,570.00	6,215.62	5 1/2" x 8 3/4"	5-1/2	8-3/4

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well 10k CYA C 101H
Company:	ConocoPhillips MCBU - Permian-Panhandle Gold Data	TVD Reference:	RKB @ 4166.90ft (Nabors M51)
Project:	Planning - NM East State Zone - 3001	MD Reference:	RKB @ 4166.90ft (Nabors M51)
Site:	Caprock CYA C 101H	North Reference:	Grid
Well:	10k CYA C 101H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 5 Dec 2		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,675.56	2,670.00	Tansill		-0.37	272.46	
6,209.90	6,055.00	Glorieta		-0.37	272.46	
1,641.91	1,640.00	Salado		-0.37	272.46	
4,617.41	4,605.00	San Andres		-0.37	272.46	
1,486.36	1,485.00	Rustler		-0.37	272.46	
6,358.24	6,130.00	Paddock		-0.37	272.46	
4,231.04	4,220.00	Grayburg		-0.37	272.46	
3,814.57	3,805.00	Queen		-0.37	272.46	
2,846.16	2,840.00	Yates		-0.37	272.46	
3,182.34	3,175.00	Seven Rivers		-0.37	272.46	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
950.00	950.00	0.00	0.00	KOP, Begin 2.00°/100' Build	
1,180.52	1,180.28	7.43	5.54	Hold 4.61° Inc at 36.68° Azm	
5,203.69	5,190.43	266.77	198.73	Begin 2.00°/100' Drop	
5,434.22	5,420.70	274.21	204.27	KOP2, Begin 8.00°/100' Build	
6,184.22	6,040.95	276.05	-153.83	Hold 60.00° Inc at 270.30° Azm	
6,384.22	6,140.95	276.94	-327.03	KOP3, Begin 8.00°/100' Build	
6,759.22	6,236.90	278.79	-685.12	LP, Hold 90.00° Inc at 270.30° Azm	
11,244.94	6,236.90	301.89	-5,170.79	Begin 0.02°/100' Build	
17,137.94	6,170.05	332.50	-11,063.21	TD at 17137.94	

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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 14037

CONDITIONS OF APPROVAL

Operator: CONOCOPHILLIPS COMPANY Office SP2-12-W156	P.O.Box 2197 Houston, TX77252	OGRID: 217817	Action Number: 14037	Action Type: C-103A
OCD Reviewer pkautz	Condition None			