

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMLC068282A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.8. Well Name and No.
STAMPEDE FEDERAL WC COM 34 1H9. API Well No.
30-015-42123-00-X110. Field and Pool, or Exploratory
WILDCAT11. County or Parish, and State
EDDY COUNTY, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
CONOCOPHILLIPS COMPANYContact: KRISTINA MICKENS
E-Mail: kristina.mickens@conocophillips.com

3a. Address

MIDLAND, TX 79710 1810

3b. Phone No. (include area code)
Ph: 281-206-5282

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 34 T26S R31E Lot 4 0250FSL 0380FWL
32.000270 N Lat, 103.462228 W Lon**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**Revised. Please substitute for EC Transaction# 246198.

ConocoPhillips Company respectfully submits the attached revised drill plan procedure, directional plan, and additional supporting documentation.

Significant changes include the Proposed Casing Program and Proposed Cementing Program.

We propose to revise the casing setting depths based on the previously drilled Stampede Federal 27 M #1. Our mud logs from the Stampede Federal 27 M #1 indicated the Rustler to be at 895' TVD, Anhydrite Salts at 1,120' TVD, Ford Shale at 4,073' TVD, and Wolfcamp 1 Top at 11,363' TVD. Therefore, we respectfully request the casing setting depths to be based on the estimated tops by our Geologist, which are represented in the attached documents.

Accepted for record
NMOC D
TOB
7/15/14
NM OIL CONSERVATION
ARTESIA DISTRICT
JUL 14 2014
RECEIVED
SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #246233 verified by the BLM Well Information System
For CONOCOPHILLIPS COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by CATHY QUEEN on 05/28/2014 (14CQ0067SE)

Name (Printed/Typed) KRISTINA MICKENS

Title SENIOR REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 05/20/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

JUL 8 2014

Date

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT

CARLSBAD FIELD OFFICE

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #246233 that would not fit on the form

32. Additional remarks, continued

Attachments:

?Drill Plan

?7-5/8" 33.7# P-110 Tenaris W523 Connection Performance Data

?5" 21.4# P-110 Tenaris Blue Connection Performance Data

?4-1/2" 15.1# P-110 Tenaris Blue Connection Performance Data

?Wellbore Casing & Cement Schematic

?Directional Plan

Sundry Notice Request
ConocoPhillips Company
30-015-42123
Stampede Federal WC COM 34 1H

Lea County, New Mexico

ConocoPhillips Company respectfully requests to amend the approved permit to drill. It is our intent to case and cement the well with 13-3/8" surface, 9-5/8" intermediate1, 7-5/8" intermediate2, and 5" x 4-1/2" production casing. The premise is for the Gas Lift Program that would allow for 2-3/8" tubing and 3.850" gas lift mandrel. The proposed casing and cementing programs would meet the BLM's Onshore Order 2 – Casing & Cementing Requirements.

4. Proposed Casing Program

All Tubulars used for this design will be new. A multi-bowl system will be utilized.

Hole Size (in)	Casing (in)	Wt/Ft	Grade	Connection	Thread & Cplg OD	Depth (ft)	Depth (ftTVD)	Depth (ftMD)	BOPE System
17 1/2	13 3/8	54.5	J-55	BTC	14.375	0-920	920	920	N/A
12 1/4	9 5/8	40	L-80	BTC	10.625	0-4077	4067	4077	5M
8 3/4	7 5/8	33.7	P-110	Tenaris W523	7.775	0-11460	11382	11460	5M
6 5/8	5	21.4	P-110/P-110S	Tenaris Blue	5.693	0-10953	10943	10953	10M
6 5/8	4 1/2	15.1	P-110	Tenaris Blue	5.047	10953-18392	11549	18392	10M

Minimum casing design factors: Burst 1.0, Collapse 1.125, Tensile Strength 1.6 Dry / 1.0 Buoyant

Hole Size (in)	Casing (in)	Burst	Collapse	Tension	Minimum Clearance
17 1/2	13 3/8	6.27	2.60	18.1 / 21.1	1.5625
12 1/4	9 5/8	2.59	1.39	5.82 / 6.93	0.8125
8 3/4	7-5/8	1.97	1.43	2.85 / 3.32	0.4875
6 5/8	5	1.74	2.04	3.09 / 3.82	0.536
6 5/8	4 1/2	1.79	1.91	2.92 / 3.61	0.789

5. Proposed Cementing Program

		Volume (sx)	Type	Weight (ppg)	Yield (ft3/sx)	Water (Gal/sx)	Excess	Cement Top
Surface	Lead	450	Class C	13.6	1.73	10.88	>100%	Surface
	Tail	320	Class C	14.8	1.35	6.39	>100%	650ft
Additives (BWOB): 4% Extender, 2% CaCl2, 0.125 lb/sx LCM, 0.2% Anti-Foam								
Intermediate 1	Lead	970	Tuned Light	11.9	1.91	11.85	>100%	Surface
	Tail	330	Class C	14.8	1.33	8.23	>100%	3577ft
Additives (BWOB): 4% Extender, 2% CaCl2, 0.125 lb/sx LCM, 0.2% Anti-Foam								
Intermediate 2	Lead	550	Tuned Light	9.7	2.44	9.116	>30%	3577ft
	Tail	200	TXI	13.2	1.53	7.474	>30%	10960ft
Additives (BWOB): 0.4% Dispersant, 1 lb/sx Salt, 0.1% Retarder, 0.5% Fluid Loss, 3 lb/sx LCM								
Production	Lead							
	Tail	650	Class H	15	1.14	3.216	>35%	10960ft
Additives (BWOB): 0.4% Retarder, 0.2% Anti-foam, 0.7 Anti-gelling, 0.4% Fluid Loss, 2% Expanding Agent, 5.0% Silica								

9. Proposed Directional Plan

Kick off Point (ft)	Landing TVD (ft)	Landing MD (ft)	Total Measured Depth (ft)
10953	11496	11819	18402

*ConocoPhillips Company intends to drill a vertical wellbore to kick off point and then drill horizontally to TD. Please see the attached directional plan for more detail.

10. Anticipated Start / Duration

ConocoPhillips Company intends to drill and complete this well approximately 90 days from spud.

Attachments:

- Attachment # 1.....7-5/8" 33.7 # P-110 Tenaris W523 Connection Performance Data
- Attachment # 2.....5" 21.4# P-110 Tenaris Blue Connection Performance Data
- Attachment # 3.....4-1/2" 15.1# P-110 Tenaris Blue Connection Performance Data
- Attachment # 4.....Wellbore Casing & Cement Schematic
- Attachment # 5.....Directional Plan

Sundry request proposed 19 May 2014 by:

James Chen, P.E.

Drilling Engineer | ConocoPhillips Permian Shale

Office Phone 281.206.5244

Cell Phone 832.768.1647

May 19 2014



Connection: Wedge 523™
Casing/Tubing: CAS

Size: 7.625 in.
Wall: 0.430 in.
Weight: 33.70 lbs/ft
Grade: P110
Min. Wall Thickness: 87.5 %

PIPE BODY DATA			
GEOMETRY			
Nominal OD	7.625 in.	Nominal Weight	33.70 lbs/ft
		Standard Drift Diameter	6.640 in.
Nominal ID	6.765 in.	Wall Thickness	0.430 in.
		Special Drift Diameter	N/A
Plain End Weight	33.07 lbs/ft		
PERFORMANCE			
Body Yield Strength	1069 x 1000 lbs	Internal Yield	10860 psi
		SMYS	110000 psi
Collapse	7870 psi		
WEDGE 523™ CONNECTION DATA			
GEOMETRY			
Connection OD	7.775 in.	Connection ID	6.675 in.
		Make-Up Loss	4.060 in.
Critical Section Area	7.057 sq. in.	Threads per in.	3.06
PERFORMANCE			
Tension Efficiency	72.6 %	Joint Yield Strength	776 x 1000 lbs
		Internal Pressure Capacity	10860 psi
Compression Strength	881 x 1000 lbs	Compression Efficiency	82.4 %
		Bending	48 °/100 ft
External Pressure Capacity	7870 psi		
MAKE-UP TORQUES			
Minimum	9900 ft-lbs	Target	11900 ft-lbs
		Maximum (T)	17300 ft-lbs
OPERATIONAL LIMIT TORQUES			
Operating Torque	42000 ft-lbs	Yield Torque	63000 ft-lbs
BLANKING DIMENSIONS			
Blanking Dimensions			

* If you need to use torque values that are higher than the maximum indicated, please contact a local Tenaris technical sales representative.

May 19 2014

Connection: Blue®
Casing/Tubing: CAS
Coupling Option: REGULAR

Size: 5.000 in.
Wall: 0.437 in.
Weight: 21.40 lbs/ft
Grade: P110
Min. Wall Thickness: 87.5 %

PIPE BODY DATA			
GEOMETRY			
Nominal OD	5.000 in.	Nominal Weight	21.40 lbs/ft
		Standard Drift Diameter	4.001 in.
Nominal ID	4.126 in.	Wall Thickness	0.437 in.
		Special Drift Diameter	N/A
Plain End Weight	21.32 lbs/ft		
PERFORMANCE			
Body Yield Strength	689 x 1000 lbs	Internal Yield	16820 psi
		SMYS	110000 psi
Collapse	17550 psi		
BLUE® CONNECTION DATA			
GEOMETRY			
Connection OD	5.693 in.	Coupling Length	10.551 in.
		Connection ID	4.185 in.
Critical Section Area	6.265 sq. in.	Make-Up Loss	4.579 in.
		Threads per in.	5.00
PERFORMANCE			
Tension Efficiency	100 %	Joint Yield Strength	689 x 1000 lbs
		Internal Pressure Capacity	16820 psi
Compression Efficiency	100 %	Compression Strength	689 x 1000 lbs
		Bending	101 °/100 ft
External Pressure Capacity	17550 psi		
MAKE-UP TORQUES			
Minimum	7650 ft-lbs	Target	8500 ft-lbs
		Maximum	9350 ft-lbs
Yield Torque	20810 ft-lbs		
SHOULDER TORQUES			
Minimum	1280 ft-lbs	Maximum	7230 ft-lbs
BLANKING DIMENSIONS			
Blanking Dimensions			

Datasheet is also valid for Special Bevel option when applicable.

May 19 2014

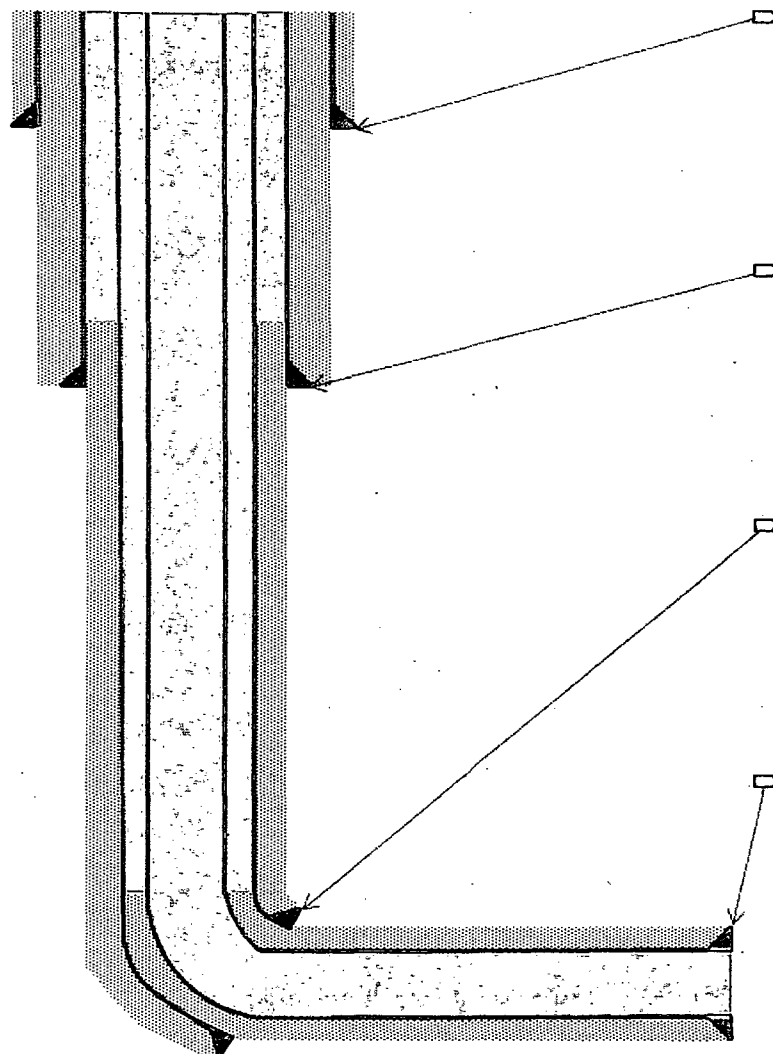


Connection: Blue®
 Casing/Tubing: TUB
 Coupling Option: REGULAR

Size: 4.500 in.
 Wall: 0.337 in.
 Weight: 15.20 lbs/ft
 Grade: P110
 Min. Wall Thickness: 87.5 %

PIPE BODY DATA			
GEOMETRY			
Nominal OD	4.500 in.	Nominal Weight	15.20 lbs/ft
		Standard Drift Diameter	3.701 in.
Nominal ID	3.826 in.	Wall Thickness	0.337 in.
		Special Drift Diameter	3.750 in.
Plain End Weight	15.00 lbs/ft.		
PERFORMANCE			
Body Yield Strength	485 x 1000 lbs	Internal Yield	14420 psi
		SMYS	110000 psi
Collapse	14350 psi		
BLUE® CONNECTION DATA			
GEOMETRY			
Connection OD	5.047 in.	Coupling Length	9.213 in.
		Connection ID	3.823 in.
Critical Section Area	4.408 sq. in.	Make-Up Loss	4.012 in.
		Threads per in.	5.00
PERFORMANCE			
Tension Efficiency	100 %	Joint Yield Strength	485 x 1000 lbs
		Internal Pressure Capacity	14420 psi
Compression Efficiency	100 %	Compression Strength	485 x 1000 lbs
		Bending	112 °/100 ft
External Pressure Capacity	14350 psi		
MAKE-UP TORQUES			
Minimum	7070 ft-lbs	Target	7860 ft-lbs
		Maximum	8650 ft-lbs
Yield Torque	14050 ft-lbs		
SHOULDER TORQUES			
Minimum	1180 ft-lbs	Maximum	6680 ft-lbs
BLANKING DIMENSIONS			
Blanking Dimensions			

Datasheet is also valid for Special Bevel option when applicable.



Surface Section

- Objective: Protect fresh water horizons.
- Drill 17-1/2" hole to +/- 920ft.
- Mud weight: 8.6 – 9.1 ppg FW-Native Mud
- Set 13-3/8" 54.5# J-55 BTC casing.
- Cement to surface.

Intermediate 1 Section

- Objective: Isolate the Delaware Sand interval
- Drill 12-1/4" hole to +/- 4077ft. "Ford Shale"
- Mud weight: 9.0 – 10.0 ppg brine.
- Set 9-5/8" 40# L-80 BTC casing.
- Cement to surface.

Intermediate 2 Section

- Objective: Isolate depleted/weak formations above WC1
- Drill 8-3/4" hole to +/- 11460ft. "WC1 Landing Point"
- Mud weight: 8.9 – 9.5 ppg cut-brine.
- Set 7-5/8" 33.7# P-110 Tenaris W523 casing.
- Cement lap 500ft above previous shoe.

Production Section

- Objective: Provide zonal isolation of production interval and provide medium for stimulation.
- Drill 6-5/8" hole to +/- 18392ft. "Production TD"
- Mud Weight: 11.8 – 15.5ppg OBM.
- Set 5" 21.4# P-110/P-110S Tblue x 4-1/2" 15.1# P-110 Tblue casing.
 - Cement lap 500 ft above previous shoe (near KOP).

ConocoPhillips MCBU

Permian Delaware Hz New Mexico

Stampede Federal WC COM 34.1H

Stampede Federal WC COM 34.1H

Original Borehole

Plan: Design #3

Standard Planning Report - Geographic

19 May, 2014

ConocoPhillips

Planning Report - Geographic

Database:	EDM Central Planning	Local Co-ordinate Reference:	Site Stampede Federal WC COM 34 1H
Company:	ConocoPhillips MCBU	TVD Reference:	KB PLAT @ 3163.0usft (HNP486)
Project:	Permian Delaware HZ New Mexico	MD Reference:	KB PLAT @ 3163.0usft (HNP486)
Site:	Stampede Federal WC COM 34 1H	North Reference:	Grid
Well:	Stampede Federal WC COM 34 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Borehole		
Design:	Design #3		

Project:	Permian Delaware HZ New Mexico, Mexico		
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		

Site:	Stampede Federal WC COM 34 1H		
Site Position:		Northing:	364,450.30 usft
From:	Map	Easting:	673,744.80 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/8 "
		Latitude:	32° 0' 2.698 N
		Longitude:	103° 46' 22.282 W
		Grid Convergence:	0.30 °

Well:	Stampede Federal WC COM 34 1H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:
			3,138.0 usft

Wellbore:	Original Borehole		
Magnetics	Model Name	Sample Date	Declination
	BGGM2014	1/11/2014	7.49
			59.87
			48,178

Design:	Design #3		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			359.68

Plan Sections:										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	6.00	179.68	1,499.3	-20.9	0.1	1.50	1.50	0.00	179.68	
3,100.0	6.00	179.68	3,090.5	-188.2	1.1	0.00	0.00	0.00	0.00	
3,500.0	0.00	0.00	3,489.8	-209.1	1.2	1.50	-1.50	0.00	180.00	
10,953.0	0.00	0.00	10,942.8	-209.1	1.2	0.00	0.00	0.00	0.00	
11,819.2	89.71	359.68	11,496.0	341.3	-1.9	10.36	10.36	0.00	359.68	
18,402.2	89.37	359.68	11,549.0	6,924.0	-38.7	0.01	-0.01	0.00	-179.92	Stampede 34 1H BHL

ConocoPhillips

Planning Report - Geographic

Database:	EDM Central Planning	Local Co-ordinate Reference:	Site Stampede Federal WC COM 34 1H
Company:	ConocoPhillips MCBU	TVD Reference:	KB PLAT @ 3163.0usft (HNP486)
Project:	Permian Delaware Hz New Mexico	MD Reference:	KB PLAT @ 3163.0usft (HNP486)
Site:	Stampede Federal WC COM 34 1H	North Reference:	Grid
Well:	Stampede Federal WC COM 34 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Borehole		
Design:	Design #3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.0	0.00	0.00	0.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
100.0	0.00	0.00	100.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
200.0	0.00	0.00	200.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
300.0	0.00	0.00	300.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
400.0	0.00	0.00	400.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
500.0	0.00	0.00	500.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
600.0	0.00	0.00	600.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
700.0	0.00	0.00	700.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
800.0	0.00	0.00	800.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
875.0	0.00	0.00	875.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
Rustler										
900.0	0.00	0.00	900.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
920.0	0.00	0.00	920.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
13 3/8" Surface Casing										
1,000.0	0.00	0.00	1,000.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W	
1,200.0	1.50	179.68	1,200.0	-1.3	0.0	364,448.99	673,744.80	32° 0' 2.685 N	103° 46' 22.282 W	
1,300.0	3.00	179.68	1,299.9	-5.2	0.0	364,445.06	673,744.82	32° 0' 2.646 N	103° 46' 22.282 W	
1,400.0	4.50	179.68	1,399.7	-11.8	0.1	364,438.52	673,744.86	32° 0' 2.581 N	103° 46' 22.282 W	
1,500.0	6.00	179.68	1,499.3	-20.9	0.1	364,429.37	673,744.91	32° 0' 2.491 N	103° 46' 22.282 W	
1,600.0	6.00	179.68	1,598.7	-31.4	0.2	364,418.92	673,744.97	32° 0' 2.387 N	103° 46' 22.281 W	
1,700.0	6.00	179.68	1,698.2	-41.8	0.2	364,408.47	673,745.03	32° 0' 2.284 N	103° 46' 22.281 W	
1,800.0	6.00	179.68	1,797.6	-52.3	0.3	364,398.02	673,745.09	32° 0' 2.180 N	103° 46' 22.281 W	
1,900.0	6.00	179.68	1,897.1	-62.7	0.4	364,387.56	673,745.15	32° 0' 2.077 N	103° 46' 22.281 W	
2,000.0	6.00	179.68	1,996.5	-73.2	0.4	364,377.11	673,745.20	32° 0' 1.973 N	103° 46' 22.281 W	
2,100.0	6.00	179.68	2,096.0	-83.6	0.5	364,366.66	673,745.26	32° 0' 1.870 N	103° 46' 22.281 W	
2,200.0	6.00	179.68	2,195.4	-94.1	0.5	364,356.20	673,745.32	32° 0' 1.766 N	103° 46' 22.281 W	
2,300.0	6.00	179.68	2,294.9	-104.5	0.6	364,345.75	673,745.38	32° 0' 1.663 N	103° 46' 22.281 W	
2,400.0	6.00	179.68	2,394.3	-115.0	0.6	364,335.30	673,745.44	32° 0' 1.560 N	103° 46' 22.281 W	
2,500.0	6.00	179.68	2,493.8	-125.5	0.7	364,324.85	673,745.50	32° 0' 1.456 N	103° 46' 22.281 W	
2,600.0	6.00	179.68	2,593.2	-135.9	0.8	364,314.39	673,745.55	32° 0' 1.353 N	103° 46' 22.281 W	
2,700.0	6.00	179.68	2,692.7	-146.4	0.8	364,303.94	673,745.61	32° 0' 1.249 N	103° 46' 22.281 W	
2,800.0	6.00	179.68	2,792.1	-156.8	0.9	364,293.49	673,745.67	32° 0' 1.146 N	103° 46' 22.281 W	
2,900.0	6.00	179.68	2,891.6	-167.3	0.9	364,283.04	673,745.73	32° 0' 1.042 N	103° 46' 22.281 W	
3,000.0	6.00	179.68	2,991.1	-177.7	1.0	364,272.58	673,745.79	32° 0' 0.939 N	103° 46' 22.281 W	
3,100.0	6.00	179.68	3,090.5	-188.2	1.1	364,262.13	673,745.85	32° 0' 0.835 N	103° 46' 22.281 W	
3,200.0	4.50	179.68	3,190.1	-197.3	1.1	364,252.98	673,745.90	32° 0' 0.745 N	103° 46' 22.281 W	
3,300.0	3.00	179.68	3,289.9	-203.9	1.1	364,246.44	673,745.93	32° 0' 0.680 N	103° 46' 22.281 W	
3,400.0	1.50	179.68	3,389.8	-207.8	1.2	364,242.52	673,745.96	32° 0' 0.641 N	103° 46' 22.281 W	
3,500.0	0.00	0.00	3,489.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
3,600.0	0.00	0.00	3,589.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
3,700.0	0.00	0.00	3,689.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
3,800.0	0.00	0.00	3,789.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
3,900.0	0.00	0.00	3,889.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
3,987.2	0.00	0.00	3,977.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
Lamar Shale										
4,000.0	0.00	0.00	3,989.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
4,052.2	0.00	0.00	4,042.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
Ford Shale										
4,077.2	0.00	0.00	4,067.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
9 5/8" Intermediate Casing										
4,100.0	0.00	0.00	4,089.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
4,200.0	0.00	0.00	4,189.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
4,300.0	0.00	0.00	4,289.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	

ConocoPhillips

Planning Report - Geographic

Database:	EDM: Central Planning	Local Co-ordinate Reference:	Site Stampede Federal WC COM 34.1H
Company:	ConocoPhillips MCBU	TVD Reference:	KB PLAT @ 3163.0usft (HNP486)
Project:	Permian Delaware Hz New Mexico	MD Reference:	KB PLAT @ 3163.0usft (HNP486)
Site:	Stampede Federal WC COM 34.1H	North Reference:	Grid
Well:	Stampede Federal WC COM 34.1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Borehole		
Design:	Design #3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
4,400.0	0.00	0.00	4,389.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
4,500.0	0.00	0.00	4,489.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
4,600.0	0.00	0.00	4,589.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
4,700.0	0.00	0.00	4,689.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
4,800.0	0.00	0.00	4,789.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
4,900.0	0.00	0.00	4,889.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
4,942.2	0.00	0.00	4,932.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
Cherry Canyon										
5,000.0	0.00	0.00	4,989.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
5,100.0	0.00	0.00	5,089.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
5,200.0	0.00	0.00	5,189.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
5,300.0	0.00	0.00	5,289.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
5,400.0	0.00	0.00	5,389.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
5,500.0	0.00	0.00	5,489.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
5,600.0	0.00	0.00	5,589.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
5,700.0	0.00	0.00	5,689.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
5,800.0	0.00	0.00	5,789.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
5,900.0	0.00	0.00	5,889.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
6,000.0	0.00	0.00	5,989.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
6,100.0	0.00	0.00	6,089.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
6,200.0	0.00	0.00	6,189.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
6,300.0	0.00	0.00	6,289.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
6,400.0	0.00	0.00	6,389.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
6,439.2	0.00	0.00	6,429.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
Brushy Canyon										
6,500.0	0.00	0.00	6,489.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
6,600.0	0.00	0.00	6,589.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
6,700.0	0.00	0.00	6,689.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
6,800.0	0.00	0.00	6,789.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
6,900.0	0.00	0.00	6,889.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
7,000.0	0.00	0.00	6,989.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
7,100.0	0.00	0.00	7,089.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
7,200.0	0.00	0.00	7,189.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
7,300.0	0.00	0.00	7,289.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
7,400.0	0.00	0.00	7,389.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
7,500.0	0.00	0.00	7,489.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
7,600.0	0.00	0.00	7,589.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
7,700.0	0.00	0.00	7,689.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
7,707.2	0.00	0.00	7,697.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
Bone Spring Top										
7,800.0	0.00	0.00	7,789.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
7,900.0	0.00	0.00	7,889.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
7,987.2	0.00	0.00	7,977.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
BS 1st Carb Top										
8,000.0	0.00	0.00	7,989.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
8,100.0	0.00	0.00	8,089.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
8,200.0	0.00	0.00	8,189.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
8,258.2	0.00	0.00	8,248.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
Avalon A Top										
8,300.0	0.00	0.00	8,289.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
8,400.0	0.00	0.00	8,389.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
8,468.2	0.00	0.00	8,458.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	
Avalon B Top										
8,500.0	0.00	0.00	8,489.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W	

ConocoPhillips
Planning Report - Geographic

Database:	EDM Central Planning	Local Co-ordinate Reference:	Site Stampede Federal WC COM 34 1H
Company:	ConocoPhillips MCBU	TVD Reference:	KB PLAT @ 3163.0usft (HNP486)
Project:	Permian Delaware HZ New Mexico	MD Reference:	KB PLAT @ 3163.0usft (HNP486)
Site:	Stampede Federal WC COM 34 1H	North Reference:	Grid
Well:	Stampede Federal WC COM 34 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Borehole		
Design:	Design #3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,566.2	0.00	0.00	8,556.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
Avalon C Top									
8,600.0	0.00	0.00	8,589.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
8,700.0	0.00	0.00	8,689.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
8,800.0	0.00	0.00	8,789.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
8,900.0	0.00	0.00	8,889.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
8,900.2	0.00	0.00	8,890.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
Avalon D Top									
8,923.2	0.00	0.00	8,913.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
1st Bone Spring Sand									
9,000.0	0.00	0.00	8,989.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
9,100.0	0.00	0.00	9,089.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
9,200.0	0.00	0.00	9,189.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
9,299.2	0.00	0.00	9,289.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
2nd BS Carbonate									
9,300.0	0.00	0.00	9,289.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
9,400.0	0.00	0.00	9,389.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
9,500.0	0.00	0.00	9,489.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
9,595.2	0.00	0.00	9,585.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
2nd BS Sand									
9,600.0	0.00	0.00	9,589.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
9,700.0	0.00	0.00	9,689.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
9,800.0	0.00	0.00	9,789.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
9,900.0	0.00	0.00	9,889.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
10,000.0	0.00	0.00	9,989.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
10,005.2	0.00	0.00	9,995.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
3rd BS Carbonate									
10,100.0	0.00	0.00	10,089.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
10,200.0	0.00	0.00	10,189.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
10,300.0	0.00	0.00	10,289.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
10,400.0	0.00	0.00	10,389.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
10,500.0	0.00	0.00	10,489.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
10,600.0	0.00	0.00	10,589.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
10,700.0	0.00	0.00	10,689.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
10,775.2	0.00	0.00	10,765.0	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
3rd BS Sand									
10,800.0	0.00	0.00	10,789.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
10,900.0	0.00	0.00	10,889.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
10,953.0	0.00	0.00	10,942.8	-209.1	1.2	364,241.21	673,745.96	32° 0' 0.628 N	103° 46' 22.281 W
11,000.0	4.87	359.68	10,989.7	-207.1	1.2	364,243.20	673,745.95	32° 0' 0.648 N	103° 46' 22.281 W
11,100.0	15.22	359.68	11,088.0	-189.7	1.1	364,260.62	673,745.85	32° 0' 0.821 N	103° 46' 22.281 W
11,200.0	25.58	359.68	11,181.6	-154.9	0.9	364,295.43	673,745.66	32° 0' 1.165 N	103° 46' 22.281 W
11,300.0	35.94	359.68	11,267.5	-103.8	0.6	364,346.51	673,745.37	32° 0' 1.671 N	103° 46' 22.281 W
11,370.8	43.27	359.68	11,322.0	-58.7	0.3	364,391.63	673,745.12	32° 0' 2.117 N	103° 46' 22.281 W
Wolfcamp 1 Top									
11,400.0	46.29	359.68	11,342.7	-38.1	0.2	364,412.17	673,745.01	32° 0' 2.320 N	103° 46' 22.281 W
11,460.4	52.55	359.68	11,382.0	7.8	0.0	364,458.06	673,744.75	32° 0' 2.775 N	103° 46' 22.282 W
7 5/8" Intermediate Casing									
11,500.0	56.65	359.68	11,404.9	40.0	-0.2	364,490.30	673,744.57	32° 0' 3.094 N	103° 46' 22.282 W
11,600.0	67.01	359.68	11,452.1	128.0	-0.7	364,578.33	673,744.08	32° 0' 3.965 N	103° 46' 22.282 W
11,700.0	77.36	359.68	11,482.6	223.1	-1.2	364,673.40	673,743.55	32° 0' 4.906 N	103° 46' 22.283 W
11,800.0	87.72	359.68	11,495.6	322.1	-1.8	364,772.42	673,743.00	32° 0' 5.886 N	103° 46' 22.283 W
11,819.2	89.71	359.68	11,496.0	341.3	-1.9	364,791.63	673,742.89	32° 0' 6.076 N	103° 46' 22.283 W

ConocoPhillips

Planning Report - Geographic

Database:	EDM Central Planning	Local Co-ordinate Reference:	Site Stampede Federal WC COM 34 1H
Company:	ConocoPhillips MCBU	TVD Reference:	KB PLAT @ 3163.0usft (HNP488)
Project:	Permian Delaware HZ New Mexico	MD Reference:	KB PLAT @ 3163.0usft (HNP488)
Site:	Stampede Federal WC COM 34 1H	North Reference:	Grid
Well:	Stampede Federal WC COM 34 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Borehole		
Design:	Design #3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
11,900.0	89.71	359.68	11,496.4	422.1	-2.4	364,872.41	673,742.44	32° 0' 6.875 N	103° 46' 22.284 W	
12,000.0	89.70	359.68	11,496.9	522.1	-2.9	364,972.41	673,741.88	32° 0' 7.865 N	103° 46' 22.284 W	
12,100.0	89.70	359.68	11,497.5	622.1	-3.5	365,072.41	673,741.32	32° 0' 8.854 N	103° 46' 22.285 W	
12,200.0	89.69	359.68	11,498.0	722.1	-4.0	365,172.40	673,740.76	32° 0' 9.844 N	103° 46' 22.285 W	
12,300.0	89.68	359.68	11,498.5	822.1	-4.6	365,272.40	673,740.20	32° 0' 10.834 N	103° 46' 22.285 W	
12,400.0	89.68	359.68	11,499.1	922.1	-5.2	365,372.40	673,739.64	32° 0' 11.823 N	103° 46' 22.286 W	
12,500.0	89.67	359.68	11,499.7	1,022.1	-5.7	365,472.39	673,739.09	32° 0' 12.813 N	103° 46' 22.286 W	
12,600.0	89.67	359.68	11,500.2	1,122.1	-6.3	365,572.39	673,738.53	32° 0' 13.803 N	103° 46' 22.287 W	
12,700.0	89.66	359.68	11,500.8	1,222.1	-6.8	365,672.39	673,737.97	32° 0' 14.792 N	103° 46' 22.287 W	
12,800.0	89.66	359.68	11,501.4	1,322.1	-7.4	365,772.38	673,737.41	32° 0' 15.782 N	103° 46' 22.288 W	
12,900.0	89.65	359.68	11,502.0	1,422.1	-7.9	365,872.38	673,736.85	32° 0' 16.771 N	103° 46' 22.288 W	
13,000.0	89.65	359.68	11,502.6	1,522.1	-8.5	365,972.38	673,736.29	32° 0' 17.761 N	103° 46' 22.289 W	
13,100.0	89.64	359.68	11,503.2	1,622.1	-9.1	366,072.37	673,735.73	32° 0' 18.751 N	103° 46' 22.289 W	
13,200.0	89.64	359.68	11,503.9	1,722.1	-9.6	366,172.37	673,735.18	32° 0' 19.740 N	103° 46' 22.290 W	
13,300.0	89.63	359.68	11,504.5	1,822.1	-10.2	366,272.37	673,734.62	32° 0' 20.730 N	103° 46' 22.290 W	
13,400.0	89.63	359.68	11,505.1	1,922.1	-10.7	366,372.36	673,734.06	32° 0' 21.719 N	103° 46' 22.291 W	
13,500.0	89.62	359.68	11,505.8	2,022.1	-11.3	366,472.36	673,733.50	32° 0' 22.709 N	103° 46' 22.291 W	
13,600.0	89.62	359.68	11,506.5	2,122.1	-11.9	366,572.36	673,732.94	32° 0' 23.699 N	103° 46' 22.292 W	
13,700.0	89.61	359.68	11,507.1	2,222.1	-12.4	366,672.35	673,732.38	32° 0' 24.688 N	103° 46' 22.292 W	
13,800.0	89.61	359.68	11,507.8	2,322.0	-13.0	366,772.35	673,731.82	32° 0' 25.678 N	103° 46' 22.292 W	
13,900.0	89.60	359.68	11,508.5	2,422.0	-13.5	366,872.34	673,731.26	32° 0' 26.668 N	103° 46' 22.293 W	
14,000.0	89.60	359.68	11,509.2	2,522.0	-14.1	366,972.34	673,730.71	32° 0' 27.657 N	103° 46' 22.293 W	
14,100.0	89.59	359.68	11,509.9	2,622.0	-14.6	367,072.34	673,730.15	32° 0' 28.647 N	103° 46' 22.294 W	
14,200.0	89.59	359.68	11,510.6	2,722.0	-15.2	367,172.33	673,729.59	32° 0' 29.636 N	103° 46' 22.294 W	
14,300.0	89.58	359.68	11,511.4	2,822.0	-15.8	367,272.33	673,729.03	32° 0' 30.626 N	103° 46' 22.295 W	
14,400.0	89.58	359.68	11,512.1	2,922.0	-16.3	367,372.32	673,728.47	32° 0' 31.616 N	103° 46' 22.295 W	
14,500.0	89.57	359.68	11,512.8	3,022.0	-16.9	367,472.32	673,727.91	32° 0' 32.605 N	103° 46' 22.296 W	
14,600.0	89.57	359.68	11,513.6	3,122.0	-17.4	367,572.31	673,727.35	32° 0' 33.595 N	103° 46' 22.296 W	
14,700.0	89.56	359.68	11,514.3	3,222.0	-18.0	367,672.31	673,726.79	32° 0' 34.584 N	103° 46' 22.297 W	
14,800.0	89.55	359.68	11,515.1	3,322.0	-18.6	367,772.31	673,726.24	32° 0' 35.574 N	103° 46' 22.297 W	
14,900.0	89.55	359.68	11,515.9	3,422.0	-19.1	367,872.30	673,725.68	32° 0' 36.564 N	103° 46' 22.298 W	
15,000.0	89.54	359.68	11,516.7	3,522.0	-19.7	367,972.30	673,725.12	32° 0' 37.553 N	103° 46' 22.298 W	
15,100.0	89.54	359.68	11,517.5	3,622.0	-20.2	368,072.29	673,724.56	32° 0' 38.543 N	103° 46' 22.299 W	
15,200.0	89.53	359.68	11,518.3	3,722.0	-20.8	368,172.29	673,724.00	32° 0' 39.532 N	103° 46' 22.299 W	
15,300.0	89.53	359.68	11,519.1	3,822.0	-21.4	368,272.28	673,723.44	32° 0' 40.522 N	103° 46' 22.300 W	
15,400.0	89.52	359.68	11,519.9	3,922.0	-21.9	368,372.28	673,722.88	32° 0' 41.512 N	103° 46' 22.300 W	
15,500.0	89.52	359.68	11,520.8	4,022.0	-22.5	368,472.27	673,722.32	32° 0' 42.501 N	103° 46' 22.300 W	
15,600.0	89.51	359.68	11,521.6	4,122.0	-23.0	368,572.27	673,721.76	32° 0' 43.491 N	103° 46' 22.301 W	
15,700.0	89.51	359.68	11,522.5	4,222.0	-23.6	368,672.26	673,721.20	32° 0' 44.481 N	103° 46' 22.301 W	
15,800.0	89.50	359.68	11,523.3	4,322.0	-24.1	368,772.26	673,720.65	32° 0' 45.470 N	103° 46' 22.302 W	
15,900.0	89.50	359.68	11,524.2	4,422.0	-24.7	368,872.25	673,720.09	32° 0' 46.460 N	103° 46' 22.302 W	
16,000.0	89.49	359.68	11,525.1	4,521.9	-25.3	368,972.25	673,719.53	32° 0' 47.449 N	103° 46' 22.303 W	
16,100.0	89.49	359.68	11,526.0	4,621.9	-25.8	369,072.24	673,718.97	32° 0' 48.439 N	103° 46' 22.303 W	
16,200.0	89.48	359.68	11,526.9	4,721.9	-26.4	369,172.23	673,718.41	32° 0' 49.428 N	103° 46' 22.304 W	
16,300.0	89.48	359.68	11,527.8	4,821.9	-26.9	369,272.23	673,717.85	32° 0' 50.418 N	103° 46' 22.304 W	
16,400.0	89.47	359.68	11,528.7	4,921.9	-27.5	369,372.22	673,717.29	32° 0' 51.408 N	103° 46' 22.305 W	
16,500.0	89.47	359.68	11,529.6	5,021.9	-28.1	369,472.22	673,716.73	32° 0' 52.397 N	103° 46' 22.305 W	
16,600.0	89.46	359.68	11,530.6	5,121.9	-28.6	369,572.21	673,716.17	32° 0' 53.387 N	103° 46' 22.306 W	
16,700.0	89.46	359.68	11,531.5	5,221.9	-29.2	369,672.20	673,715.61	32° 0' 54.376 N	103° 46' 22.306 W	
16,800.0	89.45	359.68	11,532.5	5,321.9	-29.7	369,772.20	673,715.06	32° 0' 55.366 N	103° 46' 22.307 W	
16,900.0	89.45	359.68	11,533.4	5,421.9	-30.3	369,872.19	673,714.50	32° 0' 56.356 N	103° 46' 22.307 W	
17,000.0	89.44	359.68	11,534.4	5,521.9	-30.9	369,972.19	673,713.94	32° 0' 57.345 N	103° 46' 22.308 W	
17,100.0	89.44	359.68	11,535.4	5,621.9	-31.4	370,072.18	673,713.38	32° 0' 58.335 N	103° 46' 22.308 W	
17,200.0	89.43	359.68	11,536.4	5,721.9	-32.0	370,172.17	673,712.82	32° 0' 59.324 N	103° 46' 22.308 W	
17,300.0	89.42	359.68	11,537.4	5,821.9	-32.5	370,272.17	673,712.26	32° 0' 1' 0.314 N	103° 46' 22.309 W	

ConocoPhillips
Planning Report - Geographic

Database:	EDM Central Planning	Local Co-ordinate Reference:	Site Stampede Federal WC COM 34 1H
Company:	ConocoPhillips MCBU	TVD Reference:	KB PLAT @ 3163.0usft (HNP466)
Project:	Permian Delaware HZ New Mexico	MD Reference:	KB PLAT @ 3163.0usft (HNP466)
Site:	Stampede Federal WC COM 34 1H	North Reference:	Grid
Well:	Stampede Federal WC COM 34 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Borehole		
Design:	Design #3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
17,400.0	89.42	359.68	11,538.4	5,921.9	-33.1	370,372.16	673,711.70	32° 1' 1.304 N	103° 46' 22.309 W
17,500.0	89.41	359.68	11,539.4	6,021.9	-33.7	370,472.15	673,711.14	32° 1' 2.293 N	103° 46' 22.310 W
17,600.0	89.41	359.68	11,540.4	6,121.8	-34.2	370,572.15	673,710.58	32° 1' 3.283 N	103° 46' 22.310 W
17,700.0	89.40	359.68	11,541.5	6,221.8	-34.8	370,672.14	673,710.02	32° 1' 4.272 N	103° 46' 22.311 W
17,800.0	89.40	359.68	11,542.5	6,321.8	-35.3	370,772.13	673,709.46	32° 1' 5.262 N	103° 46' 22.311 W
17,900.0	89.39	359.68	11,543.6	6,421.8	-35.9	370,872.13	673,708.90	32° 1' 6.252 N	103° 46' 22.312 W
18,000.0	89.39	359.68	11,544.6	6,521.8	-36.5	370,972.12	673,708.34	32° 1' 7.241 N	103° 46' 22.312 W
18,100.0	89.38	359.68	11,545.7	6,621.8	-37.0	371,072.11	673,707.79	32° 1' 8.231 N	103° 46' 22.313 W
18,200.0	89.38	359.68	11,546.8	6,721.8	-37.6	371,172.10	673,707.23	32° 1' 9.220 N	103° 46' 22.313 W
18,300.0	89.37	359.68	11,547.9	6,821.8	-38.1	371,272.10	673,706.67	32° 1' 10.210 N	103° 46' 22.314 W
18,400.0	89.37	359.68	11,549.0	6,921.8	-38.7	371,372.09	673,706.11	32° 1' 11.199 N	103° 46' 22.314 W
18,402.0	89.37	359.68	11,549.0	6,923.8	-38.7	371,374.09	673,706.10	32° 1' 11.219 N	103° 46' 22.314 W
5" Production Casing									
18,402.2	89.37	359.68	11,549.0	6,924.0	-38.7	371,374.30	673,706.10	32° 1' 11.221 N	103° 46' 22.314 W

Design Targets									
Target Name	Dip Angle (°)	Dip Dir (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Stampede 34 1H Sector	0.00	0.00	0.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W
- plan hits target center									
- Polygon									
Point 1			0.0	-252.2	-378.6	364,198.10	673,366.20		True
Point 2			0.0	-244.3	952.1	364,206.00	674,696.90		True
Point 3			0.0	7,260.4	910.4	371,710.70	674,655.20		True
Point 4			0.0	7,251.6	-420.6	371,701.90	673,324.20		True
Stampede 34 1H Drilling	0.00	0.00	0.0	0.0	0.0	364,450.30	673,744.80	32° 0' 2.698 N	103° 46' 22.282 W
- plan hits target center									
- Polygon									
Point 1			0.0	79.7	-50.4	364,530.00	673,694.40		True
Point 2			0.0	83.7	620.3	364,534.00	674,365.10		True
Point 3			0.0	6,928.2	582.2	371,378.50	674,327.00		True
Point 4			0.0	6,923.8	-88.8	371,374.10	673,656.00		True
Stampede 34 1H BHL	0.00	0.00	11,549.0	6,924.0	-38.7	371,374.30	673,706.10	32° 1' 11.221 N	103° 46' 22.314 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
920.0	920.0	13 3/8" Surface Casing	13-3/8	17-1/2	
4,077.2	4,067.0	9 5/8" Intermediate Casing	9-5/8	12-1/4	
11,460.4	11,382.0	7 5/8" Intermediate Casing	7-5/8	8-3/4	
18,402.0	11,549.0	5" Production Casing	4-1/2	6-1/8	

ConocoPhillips
Planning Report - Geographic

Database:	EDM/Central/Planning	Local Co-ordinate Reference:	Site Stampede/Federal WC COM/34 1H
Company:	ConocoPhillips/MCBU	TVD Reference:	KB PLAT @ 3163.0usft (HNP486)
Project:	Permian/Delaware/HZ New Mexico	MD Reference:	KB PLAT @ 3163.0usft (HNP486)
Site:	Stampede/Federal WC COM/34 1H	North Reference:	Grid:
Well:	Stampede/Federal WC COM/34 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original/Borehole		
Design:	Design #3		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
875.0	875.0	Rustler		0.00		
3,987.2	3,977.0	Lamar Shale		0.00		
4,052.2	4,042.0	Ford Shale		0.00		
4,942.2	4,932.0	Cherry Canyon		0.00		
6,439.2	6,429.0	Brushy Canyon		0.00		
7,707.2	7,697.0	Bone Spring Top		0.00		
7,987.2	7,977.0	BS 1st Carb Top		0.00		
8,258.2	8,248.0	Avalon A Top		0.00		
8,468.2	8,458.0	Avalon B Top		0.00		
8,566.2	8,556.0	Avalon C Top		0.00		
8,900.2	8,890.0	Avalon D Top		0.00		
8,923.2	8,913.0	1st Bone Spring Sand		0.00		
9,299.2	9,289.0	2nd BS Carbonate		0.00		
9,595.2	9,585.0	2nd BS Sand		0.00		
10,005.2	9,995.0	3rd BS Carbonate		0.00		
10,775.2	10,765.0	3rd BS Sand		0.00		
11,370.8	11,322.0	Wolfcamp 1 Top		0.00		

PECOS DISTRICT
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS
LEASE NO.:	LC068282A
WELL NAME & NO.:	1H-STAMPEDE FEDERAL WC COM 34
SURFACE HOLE FOOTAGE:	250' FSL & 380' FWL
BOTTOM HOLE FOOTAGE:	330' FNL & 380' FWL (SEC. 27)
LOCATION:	SECTION 34, T. 26 S., R 31 E., NMPM
COUNTY:	EDDY COUNTY, NEW MEXICO

I. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ **Eddy County**

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
(575) 361-2822

1. **Hydrogen Sulfide (H₂S) monitors shall be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.**
2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. **If the drilling rig is removed without approval – an Incident of Non-Compliance will be written and will be a “Major” violation.**
3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works is located, this does not include the dog house or stairway area.
4. **The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If**

available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#).

Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.).

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time prior to drilling out for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. IF OPERATOR DOES NOT HAVE THE WELL SPECIFIC CEMENT DETAILS ONSITE PRIOR TO PUMPING THE CEMENT FOR EACH CASING STRING, THE WOC WILL BE 30 HOURS. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Abnormal pressures may occur in the Wolfcamp.

Possible water flows in the Salt and the Castile.

Possible lost circulation in the Delaware.

1. The 13-3/8 inch surface casing shall be set at approximately 920 feet (**in a competent bed below the Magenta Dolomite, a Member of the Rustler**) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Formation below the 13-3/8" shoe to be tested according to Onshore Order

2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

- 2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

☒ Cement to surface. If cement does not circulate see B.1.a, c-d above.

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i.

Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

- 3. The minimum required fill of cement behind the **7-5/8** inch 2nd intermediate casing is:

☒ Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification.

- 4. The minimum required fill of cement behind the **5 x 4-1/2** inch production casing is:

☒ Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification. **Additional cement may be required – excess calculates to -27%.**

- 5. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. **Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.** If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).
3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi. 10M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.**
4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer.**
 - c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

- d. The results of the test shall be reported to the appropriate BLM office.
- e. All tests are required to be recorded on a calibrated test chart. **A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.**
- f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- g. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the **Wolfcamp** formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

D. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** formation, and shall be used until production casing is run and cemented.

E. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

F. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

CRW 070814