District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101 August 1, 2011

Permit 372499

	APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A	ZONE
 	T.	

I	1. Operator Name and Address		2. OGRID Number
	COG OPERATING LLC		229137
	600 W Illinois Ave		3. API Number
	Midland, TX 79701		30-015-55405
Ī	4. Property Code	5. Property Name	6. Well No.
	308624	HONEY GRAHAM STATE COM	706H

7 Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
В	20	26S	28E		850	N	1785	E	Eddy

8. Proposed Bottom Hole Location

I	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	G	32	26S	28E	3	200	S	2600	E	Eddy

9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3087
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date
N	21650	Wolfcamp		9/12/2024
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

			Z I. FTOPOSEU Gasilių	and Cement Program		
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14.75	10.75	45.5	400	450	0
Int1	9.875	7.625	29.7	7200	920	0
Prod	6.75	5.5	23	21650	1530	0

Casing/Cement Program: Additional Comments

Drill 14-3/4" hole to ~400' w/ fresh water spud mud. Run 10-3/4" 45.5# J55 BTC casing to TD and cement to surface in one stage. Drill 9-7/8" hole to ~7,200' with cut brine before transitioning to 8-3/4" hole size to ~8840'. Run 7-5/8 29.7# L80-ICY BTC & P110-ICY W513 to TD and cement to surface in one stage. Drill 6-3/4" vertical, curve and lateral to ~21,650' with OBM. Run 5.5" 23# P110-CY BTC casing from TD to surface and cement to surface in one stage

22. Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer	
Double Ram	5000	5000	Cameron	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable. Signature:				OIL CONSERVATI	ON DIVISION
Printed Name:	Electronically filed by Robyn Ri	ussell	Approved By:	Ward Rikala	
Title:	Title: Supervisor Delaware Regulatory			Petroleum Specialist Super	visor
Email Address: robyn.m.russell@conocophillips.com			Approved Date:	9/10/2024	Expiration Date: 9/10/2026
Date:	8/28/2024	Phone: 432-685-4385	Conditions of App	proval Attached	

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-102 August 1, 2011

Permit 372499

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name						
30-015-55405	98220	PURPLE SAGE;WOLFCAMP (GAS)						
4. Property Code	5. Property Name	6. Well No.						
308624	HONEY GRAHAM STATE COM	706H						
7. OGRID No.	8. Operator Name	9. Elevation						
229137	COG OPERATING LLC	3087						

	10. Surface Location								
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
В	20	26S	28E		850	N	1785	E	Eddy

11. Bottom Hole Location If Different From Surface UL - Lot Section Township Range Lot Idn Feet From N/S Line Feet From E/W Line County s G 20 26S 28E 200 2600 F Eddy 12. Dedicated Acres 13. Joint or Infill 14. Consolidation Code 15. Order No. 1535.07

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

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(s) 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.			
E-Signed By:	Robyn Russell		
Title:	Supervisor Delaware Regulatory		
Date:	8/28/2024		
	SURVEYOR CERTIFICATION the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, true and correct to the best of my belief.		
Surveyed By:	Mark Murray		
Date of Survey:	8/6/2024		
Certificate Number:	12177		

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1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Comments

Permit 372499

PERMIT COMMENTS

Operator Name and Address:	API Number:
COG OPERATING LLC [229137]	30-015-55405
600 W Illinois Ave	Well:
Midland, TX 79701	HONEY GRAHAM STATE COM #706H

Created	Comment	Comment
Ву		Date
mreyes4	OIL: COG Operating has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any	8/28/2024
	potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore we do not believe that an	
	H2S Contingency Plan would be necessary.	

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1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Conditions

Permit 372499

PERMIT CONDITIONS OF APPROVAL

Opera	tor Name and Address:	API Number:
	COG OPERATING LLC [229137]	30-015-55405
	600 W Illinois Ave	Well:
	Midland, TX 79701	HONEY GRAHAM STATE COM #706H

OCD Reviewer	Condition
ward.rikala	Notify OCD 24 hours prior to casing & cement
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing
ward.rikala	If cement does not circulate on any string, a CBL is required for that string of casing
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
ward.rikala	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)
HONEY GRAHAM STATE PROJECT
_HONEY GRAHAM ST COM 706H - Slot HONEY GRAHAM ST
COM #706H

OWB

Plan: PWP0

Standard Planning Report

25 April, 2024

Planning Report

Database: EDT 17 Permian Prod

Company: Project: Site:

Well:

DELAWARE BASIN WEST ATLAS PROSPECT (DBW) HONEY GRAHAM STATE PROJECT

_HONEY GRAHAM ST COM 706H OWB Wellbore: PWP0 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well _HONEY GRAHAM ST COM 706H -Slot HONEY GRAHAM ST COM #706H WELL @ 3081.0usft (Original Well Elev)

WELL @ 3081.0usft (Original Well Elev)

Grid

Minimum Curvature

ATLAS PROSPECT (DBW) **Project**

Map System: Geo Datum:

Map Zone:

US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS)

New Mexico East 3001

System Datum:

Mean Sea Level

Wellbore **OWB** Magnetics **Model Name** Sample Date Declination Dip Angle Field Strength (°) (°) (nT) BGGM2022 6.65 7/11/2023 59.53 47,320.61828930

Design PWP0 **Audit Notes:** Version: PLAN Tie On Depth: 0.0 Phase: **Vertical Section:** Depth From (TVD) +N/-S Direction +E/-W (usft) (usft) (usft) (°) 0.0 0.0 0.0 183.86

4/25/2024 **Plan Survey Tool Program** Date

Depth From Depth To

0.0

(usft) Survey (Wellbore) (usft) 21,650.7

PWP0 (OWB)

Tool Name

Remarks

r.5 MWD+IFR1+MS

OWSG MWD + IFR1 + Multi-St

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,607.4	12.15	298.06	1,602.8	30.2	-56.6	2.00	2.00	0.00	298.06	
6,406.3	12.15	298.06	6,294.3	505.2	-947.8	0.00	0.00	0.00	0.00	
7,621.1	0.00	0.00	7,500.0	565.5	-1,061.0	1.00	-1.00	0.00	180.00	
8,948.1	0.00	0.00	8,827.0	565.5	-1,061.0	0.00	0.00	0.00	0.00	
9,848.1	90.00	179.87	9,400.0	-7.5	-1,059.7	10.00	10.00	0.00	179.87	
13,397.6	90.00	179.87	9,400.0	-3,556.9	-1,051.6	0.00	0.00	0.00	0.00	
14,130.6	90.00	165.21	9,400.0	-4,281.7	-956.7	2.00	0.00	-2.00	-90.00	
14,424.6	90.00	165.21	9,400.0	-4,566.0	-881.7	0.00	0.00	0.00	0.00	
15,167.5	90.00	180.07	9,400.0	-5,300.7	-786.8	2.00	0.00	2.00	90.00	
21,651.2	90.00	180.07	9,400.0	-11,784.5	-794.3	0.00	0.00	0.00	0.00	

Planning Report

Database: EDT 17 Permian Prod

Company: DELAWARE BASIN WEST
Project: ATLAS PROSPECT (DBW)
Site: HONEY GRAHAM STATE PROJECT

_HONEY GRAHAM ST COM 706H

Wellbore: OWB

Well:

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well _HONEY GRAHAM ST COM 706H -Slot HONEY GRAHAM ST COM #706H WELL @ 3081.0usft (Original Well Elev) WELL @ 3081.0usft (Original Well Elev)

Grid Minimum Curvature

Design:	PWP0								
Planned Survey									
Measured			Vertical			Vertical	Dogleg	Build	Turn
Depth (usft)	Inclination (°)	Azimuth (°)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Section (usft)	Rate (°/100usft)	Rate (°/100usft)	Rate (°/100usft)
, ,			, ,	` '		, ,	, ,	, ,	•
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0 300.0	0.00 0.00	0.00 0.00	200.0 300.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	0.00 0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0 800.0	0.00	0.00	700.0 800.0	0.0	0.0	0.0 0.0	0.00 0.00	0.00	0.00
900.0	0.00 0.00	0.00 0.00	900.0	0.0 0.0	0.0 0.0	0.0	0.00	0.00 0.00	0.00 0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	2.00	298.06	1,100.0	0.8	-1.5	-0.7	2.00	2.00	0.00
1,200.0 1,300.0	4.00 6.00	298.06 298.06	1,199.8 1.299.5	3.3 7.4	-6.2 -13.8	-2.9 -6.4	2.00 2.00	2.00 2.00	0.00 0.00
1,400.0	8.00	298.06 298.06	1,299.5	7.4 13.1	-13.8 -24.6	-0.4 -11.4	2.00	2.00	0.00
1,500.0	10.00	298.06	1,497.5	20.5	-38.4	-17.8	2.00	2.00	0.00
1,607.4	12.15	298.06	1,602.8	30.2	-56.6	-26.3	2.00	2.00	0.00
1,700.0	12.15	298.06	1,693.4 1,791.1	39.3	-73.8 -92.4	-34.3 -42.9	0.00	0.00	0.00
1,800.0 1,900.0	12.15 12.15	298.06 298.06	1,791.1	49.2 59.1	-92. 4 -110.9	-42.9 -51.5	0.00 0.00	0.00 0.00	0.00 0.00
2,000.0	12.15	298.06	1,986.7	69.0	-129.5	-60.2	0.00	0.00	0.00
2,100.0	12.15	298.06	2,084.4	78.9	-148.1	-68.8	0.00	0.00	0.00
2,200.0	12.15	298.06	2,182.2	88.8	-166.7	-77.4	0.00	0.00	0.00
2,300.0 2,400.0	12.15 12.15	298.06 298.06	2,280.0 2,377.7	98.7 108.6	-185.2 -203.8	-86.0 -94.7	0.00 0.00	0.00 0.00	0.00 0.00
2,500.0	12.15	298.06	2,475.5	118.5	-222.4	-103.3	0.00	0.00	0.00
2,600.0	12.15	298.06	2,573.2	128.4	-240.9	-111.9	0.00	0.00	0.00
2,700.0 2,800.0	12.15 12.15	298.06 298.06	2,671.0 2,768.8	138.3 148.2	-259.5 -278.1	-120.5 -129.2	0.00 0.00	0.00 0.00	0.00 0.00
2,900.0	12.15	298.06	2,866.5	158.1	-276.1	-129.2	0.00	0.00	0.00
3,000.0	12.15	298.06	2,964.3	168.0	-315.2	-146.4	0.00	0.00	0.00
3,100.0 3,200.0	12.15 12.15	298.06 298.06	3,062.0	177.9 187.8	-333.8 -352.4	-155.1 -163.7	0.00 0.00	0.00 0.00	0.00 0.00
3,300.0	12.15	298.06	3,159.8 3,257.6	197.7	-352.4 -370.9	-103.7 -172.3	0.00	0.00	0.00
3,400.0	12.15	298.06	3,355.3	207.6	-389.5	-172.3	0.00	0.00	0.00
3,500.0	12.15	298.06	3,453.1	217.5	-408.1	-189.6	0.00	0.00	0.00
3,600.0 3,700.0	12.15 12.15	298.06 298.06	3,550.8 3,648.6	227.4 237.3	-426.6 -445.2	-198.2 -206.8	0.00 0.00	0.00 0.00	0.00 0.00
3,800.0	12.15	298.06	3,746.4	237.3 247.2	-445.2 -463.8	-206.6 -215.4	0.00	0.00	0.00
3,900.0	12.15	298.06	3,844.1	257.1	-403.6 -482.4	-213. 4 -224.1	0.00	0.00	0.00
4,000.0 4,100.0	12.15 12.15	298.06 298.06	3,941.9 4,039.6	267.0 276.9	-500.9 -519.5	-232.7 -241.3	0.00 0.00	0.00 0.00	0.00 0.00
4,100.0	12.15	298.06	4,039.6	286.8	-519.5 -538.1	-241.3 -249.9	0.00	0.00	0.00
4,300.0	12.15	298.06	4,235.2	296.7	-556.6	-249.9 -258.6	0.00	0.00	0.00
4,400.0	12.15	298.06	4,332.9	306.6	-575.2	-267.2	0.00	0.00	0.00
4,500.0	12.15	298.06	4,430.7	316.5	-593.8	-275.8	0.00	0.00	0.00
4,600.0	12.15	298.06	4,430.7 4,528.4	326.4	-593.6 -612.3	-275.6 -284.5	0.00	0.00	0.00
4,700.0	12.15	298.06	4,626.2	336.3	-630.9	-204.5 -293.1	0.00	0.00	0.00
4,800.0	12.15	298.06	4,724.0	346.2	-649.5	-301.7	0.00	0.00	0.00
4,900.0	12.15	298.06	4,821.7	356.1	-668.1	-310.3	0.00	0.00	0.00
5,000.0	12.15	298.06	4,919.5	366.0	-686.6	-319.0	0.00	0.00	0.00
5,000.0	12.15	298.06	4,919.5 5,017.3	300.0 375.9	-686.6 -705.2	-319.0 -327.6	0.00	0.00	0.00
5,200.0	12.15	298.06	5,115.0	385.8	-703.2	-336.2	0.00	0.00	0.00
3,200.0	12.13	230.00	5,115.0	505.0	-120.0	-000.2	0.00	0.00	0.00

Planning Report

Database: EDT 17 Permian Prod

DELAWARE BASIN WEST Company: ATLAS PROSPECT (DBW) Project: HONEY GRAHAM STATE PROJECT Site: _HONEY GRAHAM ST COM 706H

Wellbore: OWB

Well:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well _HONEY GRAHAM ST COM 706H -Slot HONEY GRAHAM ST COM #706H WELL @ 3081.0usft (Original Well Elev) WELL @ 3081.0usft (Original Well Elev)

Grid

Minimum Curvature

esign:	PWP0								
lanned Survey									
Measured Depth (usft)	Inclination	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	12.15	298.06	5,212.8	395.7	-742.3	-344.8	0.00	0.00	0.00
5,400.0	12.15	298.06	5,310.5	405.6	-760.9	-353.5	0.00	0.00	0.00
5,500.0	12.15	298.06	5,408.3	415.5	-779.5	-362.1	0.00	0.00	0.00
5,600.0	12.15	298.06	5,506.1	425.4	-798.0	-370.7	0.00	0.00	0.00
5,700.0	12.15	298.06	5,603.8	435.2	-816.6	-379.3	0.00	0.00	0.00
5,800.0	12.15	298.06	5,701.6	445.1	-835.2	-388.0	0.00	0.00	0.00
5,900.0	12.15	298.06	5,799.3	455.0	-853.8	-396.6	0.00	0.00	0.00
6,000.0	12.15	298.06	5,897.1	464.9	-872.3	-405.2	0.00	0.00	0.00
6,100.0	12.15	298.06	5,994.9	474.8	-890.9	-413.8	0.00	0.00	0.00
6,200.0	12.15	298.06	6,092.6	484.7	-909.5	-422.5	0.00	0.00	0.00
6,300.0	12.15	298.06	6,190.4	494.6	-928.0	-431.1	0.00	0.00	0.00
6,406.3	12.15	298.06	6,294.3	505.2	-947.8	-440.3	0.00	0.00	0.00
6,500.0	11.21	298.06	6,386.1	514.1	-964.5	-448.0	1.00	-1.00	0.00
6,600.0	10.21	298.06	6,484.3	522.8	-980.9	-455.7	1.00	-1.00	0.00
6,700.0	9.21	298.06	6,582.9	530.8	-995.8	-462.6	1.00	-1.00	0.00
6,800.0	8.21	298.06	6,681.7	537.9	-1,009.2	-468.8	1.00	-1.00	0.00
6,900.0	7.21	298.06	6,780.8	544.2	-1,021.0	-474.3	1.00	-1.00	0.00
7,000.0	6.21	298.06	6,880.1	549.7	-1,031.3	-479.1	1.00	-1.00	0.00
7,100.0	5.21	298.06	6,979.6	554.4	-1,040.1	-483.2	1.00	-1.00	0.00
7,200.0	4.21	298.06	7,079.3	558.2	-1,047.4	-486.5	1.00	-1.00	0.00
7,300.0	3.21	298.06	7,179.1	561.3	-1,053.1	-489.2	1.00	-1.00	0.00
7,400.0	2.21	298.06	7,279.0	563.5	-1,057.2	-491.1	1.00	-1.00	0.00
7,500.0	1.21	298.06	7,378.9	564.9	-1,059.9	-492.3	1.00	-1.00	0.00
7,600.0	0.21	298.06	7,478.9	565.5	-1,061.0	-492.8	1.00	-1.00	0.00
7,621.1	0.00	0.00	7,500.0	565.5	-1,061.0	-492.9	1.00	-1.00	0.00
7,700.0	0.00	0.00	7,578.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,678.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,778.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,878.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,100.0	0.00	0.00	7,978.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,078.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,178.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,278.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,378.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,478.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,578.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,678.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,900.0	0.00	0.00	8,778.9	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,948.1	0.00	0.00	8,827.0	565.5	-1,061.0	-492.9	0.00	0.00	0.00
8,950.0	0.19	179.87	8,828.9	565.5	-1,061.0	-492.9	10.00	10.00	0.00
9,000.0	5.19	179.87	8,878.9	563.1	-1,061.0	-490.5	10.00	10.00	0.00
9,050.0	10.19	179.87	8,928.4	556.5	-1,061.0	-483.8	10.00	10.00	0.00
9,100.0	15.19	179.87	8,977.1	545.5	-1,061.0	-472.9	10.00	10.00	0.00
9,150.0	20.19	179.87	9,024.8	530.3	-1,060.9	-457.7	10.00	10.00	0.00
9,200.0	25.19	179.87	9,070.9	511.0	-1,060.9	-438.5	10.00	10.00	0.00
9,250.0	30.19	179.87	9,115.1	487.8	-1,060.8	-415.3	10.00	10.00	0.00
9,300.0	35.19	179.87	9,157.2	460.8	-1,060.8	-388.4	10.00	10.00	0.00
9,350.0	40.19	179.87	9,196.8	430.2	-1,060.7	-357.9	10.00	10.00	0.00
9,400.0	45.19	179.87	9,233.5	396.3	-1,060.6	-324.1	10.00	10.00	0.00
9,450.0	50.19	179.87	9,267.1	359.4	-1,060.5	-287.2	10.00	10.00	0.00
9,500.0	55.19	179.87	9,297.4	319.6	-1,060.4	-247.6	10.00	10.00	0.00
9,550.0	60.19	179.87	9,324.2	277.4	-1,060.3	-205.4	10.00	10.00	0.00
9,600.0	65.19	179.87	9,347.1	232.9	-1,060.2	-161.1	10.00	10.00	0.00

Planning Report

EDT 17 Permian Prod Database:

DELAWARE BASIN WEST Company: Project: ATLAS PROSPECT (DBW) HONEY GRAHAM STATE PROJECT Site:

_HONEY GRAHAM ST COM 706H OWB Wellbore:

Well:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well _HONEY GRAHAM ST COM 706H -Slot HONEY GRAHAM ST COM #706H WELL @ 3081.0usft (Original Well Elev) WELL @ 3081.0usft (Original Well Elev)

Grid

Minimum Curvature

Design:	PWP0								
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,650.0	70.19	179.87	9,366.1	186.7	-1,060.1	-115.0	10.00	10.00	0.00
9,700.0	75.19	179.87	9,380.9	139.0	-1,060.0	-67.4	10.00	10.00	0.00
9,750.0	80.19	179.87	9,391.6	90.1	-1,059.9	-18.7	10.00	10.00	0.00
9,800.0	85.19	179.87	9,397.9	40.6	-1,059.8	30.8	10.00	10.00	0.00
9,848.1	90.00	179.87	9,400.0	-7.5	-1,059.7	78.7	10.00	10.00	0.00
9,900.0	90.00	179.87	9,400.0	-59.4	-1,059.6	130.5	0.00	0.00	0.00
10,000.0	90.00	179.87	9,400.0	-159.4	-1,059.4	230.3	0.00	0.00	0.00
10,100.0	90.00	179.87	9,400.0	-259.4	-1,059.1	330.0	0.00	0.00	0.00
10,200.0	90.00	179.87	9,400.0	-359.4	-1,058.9	429.8	0.00	0.00	0.00
10,300.0	90.00	179.87	9,400.0	-459.4	-1,058.7	529.5	0.00	0.00	0.00
10,400.0	90.00	179.87	9,400.0	-559.4	-1,058.4	629.3	0.00	0.00	0.00
10,500.0	90.00	179.87	9,400.0	-659.4	-1,058.2	729.1	0.00	0.00	0.00
10,600.0	90.00	179.87	9,400.0	-759.4	-1,058.0	828.8	0.00	0.00	0.00
10,700.0	90.00	179.87	9,400.0	-859.4	-1,057.8	928.6	0.00	0.00	0.00
10,800.0	90.00	179.87	9,400.0	-959.4	-1,057.5	1,028.3	0.00	0.00	0.00
10,900.0	90.00	179.87	9,400.0	-1,059.4	-1,057.3	1,128.1	0.00	0.00	0.00
11,000.0	90.00	179.87	9,400.0	-1,159.4	-1,057.1	1,227.8	0.00	0.00	0.00
11,100.0	90.00	179.87	9,400.0	-1,259.4	-1,056.9	1,327.6	0.00	0.00	0.00
11,200.0	90.00	179.87	9,400.0	-1,359.4	-1,056.6	1,427.4	0.00	0.00	0.00
11,300.0	90.00	179.87	9,400.0	-1,459.4	-1,056.4	1,527.1	0.00	0.00	0.00
11,400.0	90.00	179.87	9,400.0	-1,559.4	-1,056.2	1,626.9	0.00	0.00	0.00
11,500.0	90.00	179.87	9,400.0	-1,659.4	-1,056.0	1,726.6	0.00	0.00	0.00
11,600.0	90.00	179.87	9,400.0	-1,759.4	-1,055.7	1,826.4	0.00	0.00	0.00
11,700.0	90.00	179.87	9,400.0	-1,859.4	-1,055.5	1,926.2	0.00	0.00	0.00
11,800.0	90.00	179.87	9,400.0	-1,959.4	-1,055.3	2,025.9	0.00	0.00	0.00
11,900.0	90.00	179.87	9,400.0	-2,059.4	-1,055.0	2,125.7	0.00	0.00	0.00
12,000.0	90.00	179.87	9,400.0	-2,159.4	-1,054.8	2,225.4	0.00	0.00	0.00
12,100.0	90.00	179.87	9,400.0	-2,259.4	-1,054.6	2,325.2	0.00	0.00	0.00
12,200.0	90.00	179.87	9,400.0	-2,359.4	-1,054.4	2,424.9	0.00	0.00	0.00
12,300.0	90.00	179.87	9,400.0	-2,459.4	-1,054.1	2,524.7	0.00	0.00	0.00
12,400.0	90.00	179.87	9,400.0	-2,559.4	-1,053.9	2,624.5	0.00	0.00	0.00
12,500.0	90.00	179.87	9,400.0	-2,659.4	-1,053.7	2,724.2	0.00	0.00	0.00
12,600.0	90.00	179.87	9,400.0	-2,759.4	-1,053.5	2,824.0	0.00	0.00	0.00
12,700.0	90.00	179.87	9,400.0	-2,859.4	-1,053.2	2,923.7	0.00	0.00	0.00
12,800.0	90.00	179.87	9,400.0	-2,959.4	-1,053.0	3,023.5	0.00	0.00	0.00
12,900.0	90.00	179.87	9,400.0	-3,059.4	-1,052.8	3,123.2	0.00	0.00	0.00
13,000.0	90.00	179.87	9,400.0	-3,159.4	-1,052.5	3,223.0	0.00	0.00	0.00
13,100.0	90.00	179.87	9,400.0	-3,259.4	-1,052.3	3,322.8	0.00	0.00	0.00
13,200.0	90.00	179.87	9,400.0	-3,359.4	-1,052.1	3,422.5	0.00	0.00	0.00
13,300.0	90.00	179.87	9,400.0	-3,459.4	-1,051.9	3,522.3	0.00	0.00	0.00
13,397.6	90.00	179.87	9,400.0	-3,556.9	-1,051.6	3,619.6	0.00	0.00	0.00
13,400.0	90.00	179.82	9,400.0	-3,559.4	-1,051.6	3,622.0	2.00	0.00	-2.00
13,500.0	90.00	177.82	9,400.0	-3,659.3	-1,049.6	3,721.6	2.00	0.00	-2.00
13,600.0	90.00	175.82	9,400.0	-3,759.2	-1,044.0	3,820.9	2.00	0.00	-2.00
13,700.0	90.00	173.82	9,400.0	-3,858.8	-1,035.0	3,919.6	2.00	0.00	-2.00
13,800.0	90.00	171.82	9,400.0	-3,958.0	-1,022.5	4,017.8	2.00	0.00	-2.00
13,900.0	90.00	169.82	9,400.0	-4,056.7	-1,006.6	4,115.2	2.00	0.00	-2.00
14,000.0	90.00	167.82	9,400.0	-4,154.8	-987.2	4,211.8	2.00	0.00	-2.00
14,100.0	90.00	165.82	9,400.0	-4,252.2	-964.4	4,307.4	2.00	0.00	-2.00
14,130.6	90.00	165.21	9,400.0	-4,281.7	-956.7	4,336.4	2.00	0.00	-2.00
14,200.0	90.00	165.21	9,400.0	-4,348.9	-939.0	4,402.2	0.00	0.00	0.00
14,300.0	90.00	165.21	9,400.0	-4,445.6	-913.5	4,496.9	0.00	0.00	0.00
14,400.0	90.00	165.21	9,400.0	-4,542.3	-888.0	4,591.7	0.00	0.00	0.00

Planning Report

Database: EDT 17 Permian Prod

Company: DELAWARE BASIN WEST
Project: ATLAS PROSPECT (DBW)
Site: HONEY GRAHAM STATE PROJECT
Well: _HONEY GRAHAM ST COM 706H

Wellbore: OWB
Design: PWP0

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well _HONEY GRAHAM ST COM 706H -Slot HONEY GRAHAM ST COM #706H WELL @ 3081.0usft (Original Well Elev) WELL @ 3081.0usft (Original Well Elev)

Grid Minimum Curvature

sigii.	FVVFU								
anned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,424.6	90.00	165.21	9,400.0	-4,566.0	-881.7	4,615.0	0.00	0.00	0.00
14,500.0	90.00	166.72	9,400.0	-4,639.2	-863.4	4,686.8	2.00	0.00	2.00
14,600.0	90.00	168.72	9,400.0	-4,736.9	-842.1	4,782.8	2.00	0.00	2.00
14,700.0	90.00	170.72	9,400.0	-4,835.3	-824.3	4,879.8	2.00	0.00	2.00
14,800.0	90.00	172.72	9,400.0	-4,934.2	-809.9	4,977.5	2.00	0.00	2.00
14,900.0	90.00	174.72	9,400.0	-5,033.6	-798.9	5,076.0	2.00	0.00	2.00
15,000.0	90.00	176.72	9.400.0	-5,133.3	-791.5	5,175.0	2.00	0.00	2.00
15,100.0	90.00	178.72	9,400.0	-5,233.3	-787.5	5,274.4	2.00	0.00	2.00
15,167.5	90.00	180.07	9,400.0	-5,300.7	-786.8	5,341.6	2.00	0.00	2.00
15,200.0	90.00	180.07	9,400.0	-5,333.3	-786.8	5,374.1	0.00	0.00	0.00
15,300.0	90.00	180.07	9,400.0	-5,433.3	-786.9	5,473.9	0.00	0.00	0.00
	90.00	100.07	9,400.0		707.0		0.00		0.00
15,400.0 15,500.0	90.00	180.07 180.07	9,400.0 9,400.0	-5,533.3 -5,633.3	-787.0 -787.2	5,573.7 5,673.4	0.00	0.00 0.00	0.00
15,500.0	90.00	180.07	9,400.0 9,400.0	-5,033.3 -5,733.3	-787.2 -787.3	5,073.4	0.00	0.00	0.00
15,700.0	90.00	180.07	9,400.0	-5,733.3 -5,833.3	-787.4	5,873.0	0.00	0.00	0.00
15,800.0	90.00	180.07	9,400.0	-5,933.3	-787.5	5,972.8	0.00	0.00	0.00
15,900.0	90.00	180.07	9,400.0	-6,033.3	-787.6	6,072.6	0.00	0.00	0.00
16,000.0	90.00	180.07	9,400.0	-6,133.3	-787.7	6,172.3	0.00	0.00	0.00
16,100.0	90.00	180.07	9,400.0	-6,233.3	-787.9	6,272.1	0.00	0.00	0.00
16,200.0	90.00	180.07	9,400.0	-6,333.3	-788.0	6,371.9	0.00	0.00	0.00
16,300.0	90.00	180.07	9,400.0	-6,433.3	-788.1	6,471.7	0.00	0.00	0.00
16,400.0	90.00	180.07	9,400.0	-6,533.3	-788.2	6,571.5	0.00	0.00	0.00
16,500.0	90.00	180.07	9,400.0	-6,633.3	-788.3	6,671.3	0.00	0.00	0.00
16,600.0	90.00	180.07	9,400.0	-6,733.3	-788.4	6,771.0	0.00	0.00	0.00
16,700.0	90.00	180.07	9,400.0	-6,833.3	-788.6	6,870.8	0.00	0.00	0.00
16,800.0	90.00	180.07	9,400.0	-6,933.3	-788.7	6,970.6	0.00	0.00	0.00
16,900.0	90.00	180.07	9,400.0	-7,033.3	-788.8	7,070.4	0.00	0.00	0.00
17,000.0	90.00	180.07	9,400.0	-7,133.3	-788.9	7,170.2	0.00	0.00	0.00
17,100.0	90.00	180.07	9,400.0	-7,233.3	-789.0	7,269.9	0.00	0.00	0.00
17,200.0	90.00	180.07	9,400.0	-7,333.3	-789.1	7,369.7	0.00	0.00	0.00
17,300.0	90.00	180.07	9,400.0	-7,433.3	-789.3	7,469.5	0.00	0.00	0.00
17,400.0	90.00	180.07	9,400.0	-7,533.3	-789.4	7,569.3	0.00	0.00	0.00
17,500.0	90.00	180.07	9,400.0	-7,633.3	-789.5	7,669.1	0.00	0.00	0.00
17,600.0	90.00	180.07	9,400.0	-7,733.3	-789.6	7,768.9	0.00	0.00	0.00
17,700.0	90.00	180.07	9,400.0	-7,833.3	-789.7	7,868.6	0.00	0.00	0.00
17,800.0	90.00	180.07	9,400.0	-7,933.3	-789.8	7,968.4	0.00	0.00	0.00
17,900.0	90.00	180.07	9,400.0	-8,033.3	-790.0	8,068.2	0.00	0.00	0.00
18,000.0	90.00	180.07	9,400.0	-8,133.3	-790.1	8,168.0	0.00	0.00	0.00
18,100.0	90.00	180.07	9,400.0	-8,233.3	-790.2	8,267.8	0.00	0.00	0.00
18,200.0	90.00	180.07	9,400.0	-8,333.3	-790.3	8,367.5	0.00	0.00	0.00
18,300.0	90.00	180.07	9,400.0	-8,433.3	-790.4	8,467.3	0.00	0.00	0.00
18,400.0	90.00	180.07	9,400.0	-8,533.3	-790.5	8,567.1	0.00	0.00	0.00
18,500.0	90.00	180.07	9,400.0	-8,633.3	-790.7	8,666.9	0.00	0.00	0.00
18,600.0	90.00	180.07	9,400.0	-8,733.3	-790.8	8,766.7	0.00	0.00	0.00
18,700.0	90.00	180.07	9,400.0	-8,833.3	-790.9	8,866.4	0.00	0.00	0.00
18,800.0	90.00	180.07	9,400.0	-8,933.3	-791.0	8,966.2	0.00	0.00	0.00
18,900.0	90.00	180.07	9,400.0	-9,033.3	-791.1	9,066.0	0.00	0.00	0.00
19,000.0	90.00	180.07	9,400.0	-9,133.3	-791.2	9,165.8	0.00	0.00	0.00
19,100.0	90.00	180.07	9,400.0	-9,233.3	-791.4	9,265.6	0.00	0.00	0.00
19,200.0	90.00	180.07	9,400.0	-9,333.3	-791.5	9,365.4	0.00	0.00	0.00
19,300.0	90.00	180.07	9,400.0	-9,433.3	-791.6	9,465.1	0.00	0.00	0.00
19,400.0			9,400.0		-791.7				
19,400.0	90.00 90.00	180.07 180.07	9,400.0 9,400.0	-9,533.3 -9,633.3	-791.7 -791.8	9,564.9 9,664.7	0.00 0.00	0.00 0.00	0.00 0.00

Planning Report

Database: EDT 17 Permian Prod

Company: DELAWARE BASIN WEST
Project: ATLAS PROSPECT (DBW)
Site: HONEY GRAHAM STATE PROJECT

Well: _HONEY GRAHAM ST COM 706H

Wellbore: OWB
Design: PWP0

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well _HONEY GRAHAM ST COM 706H -Slot HONEY GRAHAM ST COM #706H WELL @ 3081.0usft (Original Well Elev) WELL @ 3081.0usft (Original Well Elev)

Grid

Minimum Curvature

lanned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,600.0	90.00	180.07	9,400.0	-9,733.3	-791.9	9,764.5	0.00	0.00	0.00
19,700.0	90.00	180.07	9,400.0	-9,833.3	-792.1	9,864.3	0.00	0.00	0.00
19,800.0	90.00	180.07	9,400.0	-9,933.3	-792.2	9,964.0	0.00	0.00	0.00
19,900.0	90.00	180.07	9,400.0	-10,033.3	-792.3	10,063.8	0.00	0.00	0.00
20,000.0	90.00	180.07	9,400.0	-10,133.3	-792.4	10,163.6	0.00	0.00	0.00
20,100.0	90.00	180.07	9,400.0	-10,233.3	-792.5	10,263.4	0.00	0.00	0.00
20,200.0	90.00	180.07	9,400.0	-10,333.3	-792.7	10,363.2	0.00	0.00	0.00
20,300.0	90.00	180.07	9,400.0	-10,433.3	-792.8	10,462.9	0.00	0.00	0.00
20,400.0	90.00	180.07	9,400.0	-10,533.3	-792.9	10,562.7	0.00	0.00	0.00
20,500.0	90.00	180.07	9,400.0	-10,633.3	-793.0	10,662.5	0.00	0.00	0.00
20,600.0	90.00	180.07	9,400.0	-10,733.3	-793.1	10,762.3	0.00	0.00	0.00
20,700.0	90.00	180.07	9,400.0	-10,833.3	-793.2	10,862.1	0.00	0.00	0.00
20,800.0	90.00	180.07	9,400.0	-10,933.3	-793.4	10,961.9	0.00	0.00	0.00
20,900.0	90.00	180.07	9,400.0	-11,033.3	-793.5	11,061.6	0.00	0.00	0.00
21,000.0	90.00	180.07	9,400.0	-11,133.3	-793.6	11,161.4	0.00	0.00	0.00
21,100.0	90.00	180.07	9,400.0	-11,233.3	-793.7	11,261.2	0.00	0.00	0.00
21,200.0	90.00	180.07	9,400.0	-11,333.3	-793.8	11,361.0	0.00	0.00	0.00
21,300.0	90.00	180.07	9,400.0	-11,433.3	-793.9	11,460.8	0.00	0.00	0.00
21,400.0	90.00	180.07	9,400.0	-11,533.3	-794.1	11,560.5	0.00	0.00	0.00
21,500.0	90.00	180.07	9,400.0	-11,633.3	-794.2	11,660.3	0.00	0.00	0.00
21,600.0	90.00	180.07	9,400.0	-11,733.3	-794.3	11,760.1	0.00	0.00	0.00
21,651.2	90.00	180.07	9,400.0	-11,784.5	-794.3	11,811.2	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
POI 2_HONEY GRAHA - plan misses targe - Rectangle (sides '	t center by 26.9		9,400.0 0.7usft MD (-4,911.3 (9400.0 TVD,	-785.8 -4915.1 N, -81	370,813.03 2.4 E)	569,572.92	32° 1' 9.410 N	104° 6' 31.874 W
FTP_HONEY GRAHAM - plan misses targe - Circle (radius 50.0	t center by 202	0.00 .8usft at 942	9,400.0 3.9usft MD (515.5 (9250.0 TVD,	-1,060.3 379.0 N, -1060	376,239.84 0.6 E)	569,298.36	32° 2' 3.122 N	104° 6' 34.933 W
POI 1_HONEY GRAHA - plan misses targe - Rectangle (sides '	t center by 21.2		9,400.0 7.2usft MD (-3,908.3 (9400.0 TVD,	-1,050.6 -3905.7 N, -10	371,816.00 29.5 E)	569,308.11	32° 1' 19.341 N	104° 6' 34.926 W
LTP_HONEY GRAHAM - plan misses targe - Circle (radius 50.0	t center by 0.4u	0.09 usft at 21521	9,400.0 .2usft MD (9	-11,654.5 1400.0 TVD, -1	-794.6 11654.5 N, -79	364,069.82 4.2 E)	569,564.08	32° 0' 2.675 N	104° 6' 32.140 W
PBHL_HONEY GRAHA - plan hits target ce - Rectangle (sides '	nter	0.07 3.2 D20.0)	9,400.0	-11,784.5	-794.3	363,939.82	569,564.33	32° 0' 1.388 N	104° 6' 32.140 W

Casing Points							
	Measured Depth (usft)	Vertical Depth (usft)		Name	Casing Diameter (")	Hole Diameter (")	
	21,651.3	9,400.0	5-1/2" Production Casing		5-1/2	6-3/4	

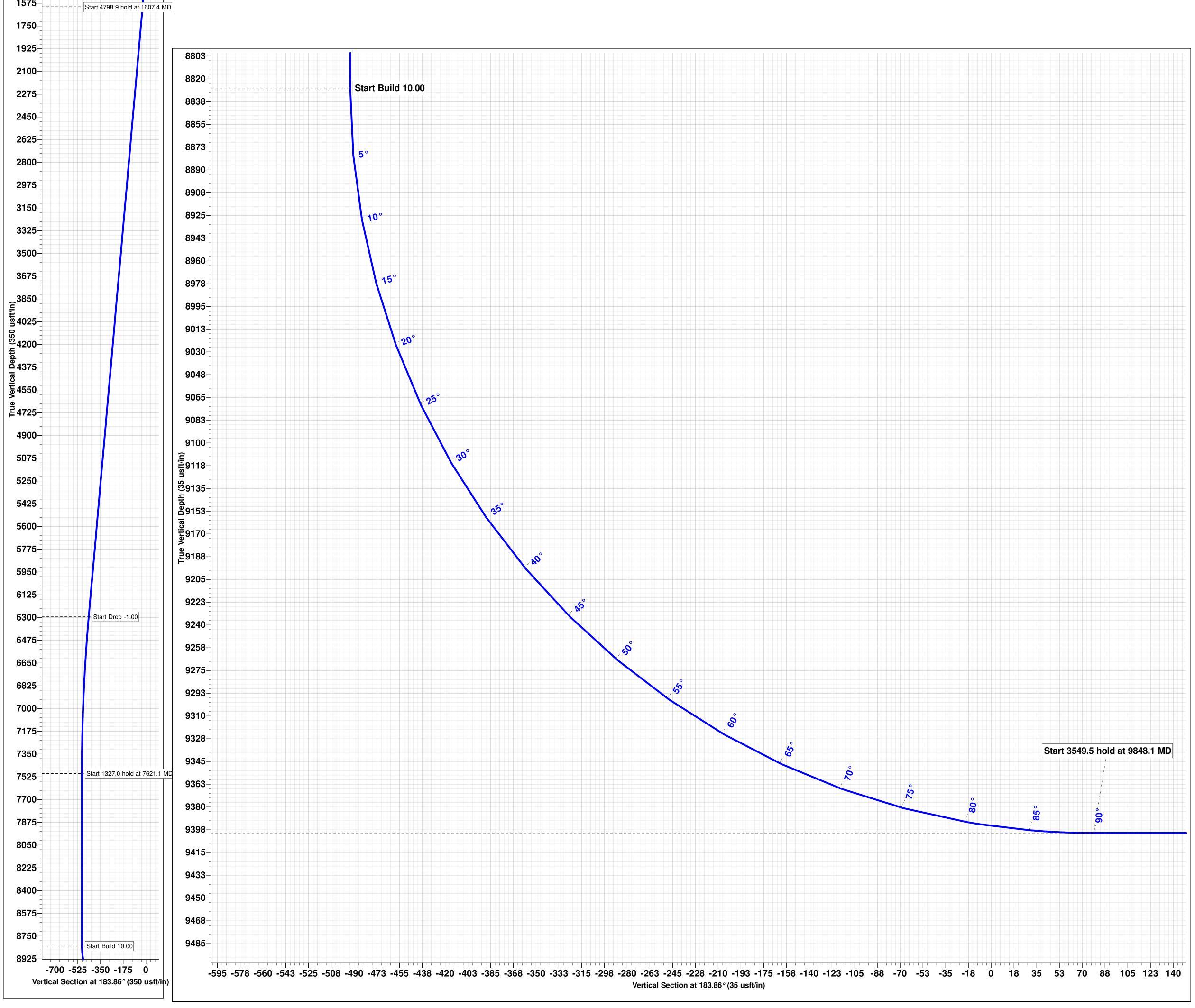
Planning Report

EDT 17 Permian Prod Well _HONEY GRAHAM ST COM 706H -Database: Local Co-ordinate Reference: Slot HONEY GRAHAM ST COM #706H DELAWARE BASIN WEST Company: TVD Reference: WELL @ 3081.0usft (Original Well Elev) Project: ATLAS PROSPECT (DBW) WELL @ 3081.0usft (Original Well Elev) MD Reference: Site: HONEY GRAHAM STATE PROJECT Grid North Reference: _HONEY GRAHAM ST COM 706H Well: Minimum Curvature **Survey Calculation Method:** OWB Wellbore: PWP0 Design:

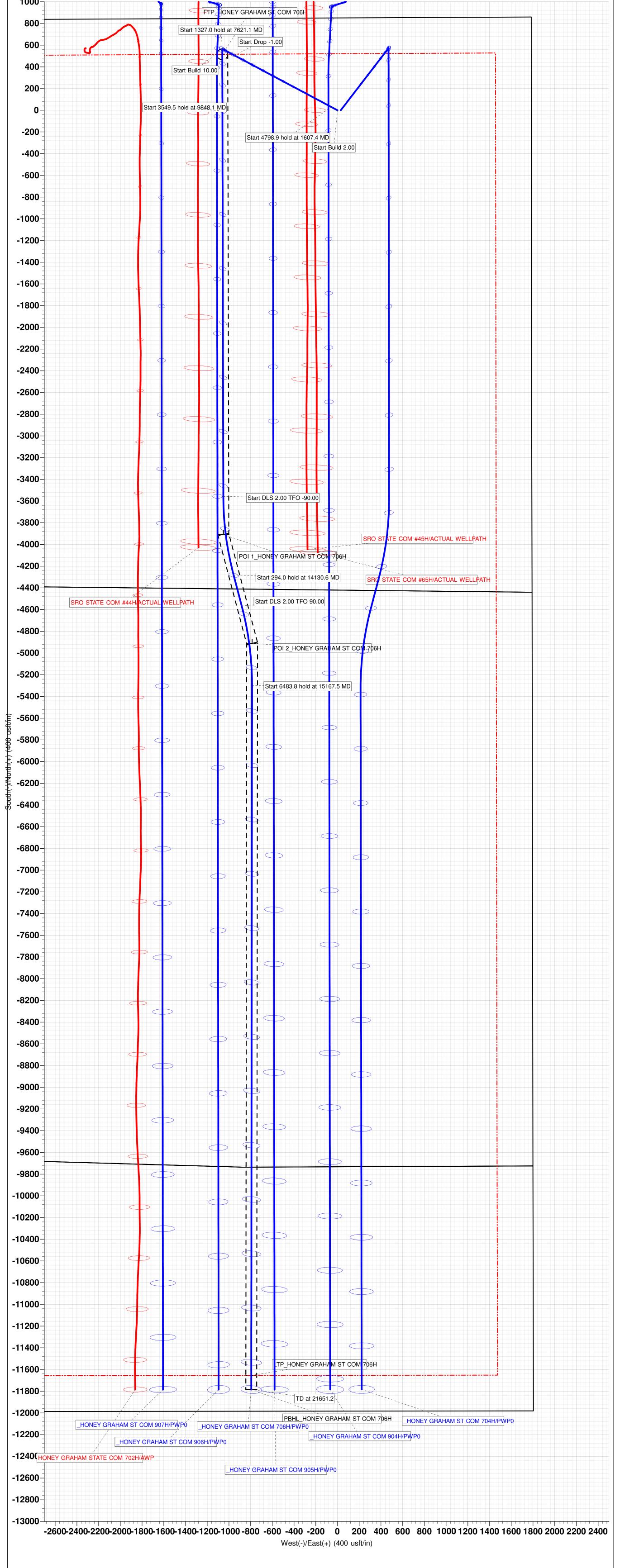
Received by OCD: 8/28/2024 2:13:15 PM Pag

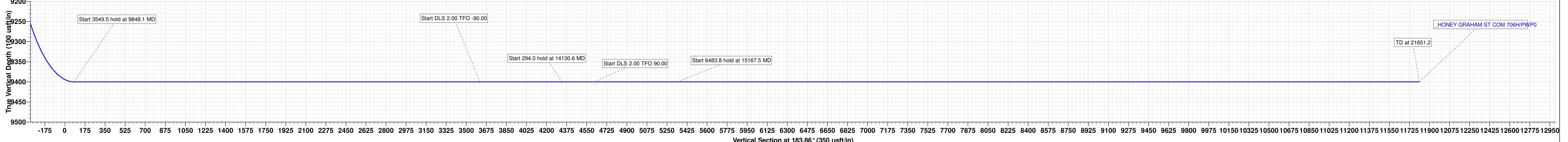


Project: ATLAS PROSPECT (DBW)
Site: HONEY GRAHAM STATE PROJECT
Well: _HONEY GRAHAM ST COM 706H
Wellbore: OWB
Design: PWP0



____ Start Build 2.00





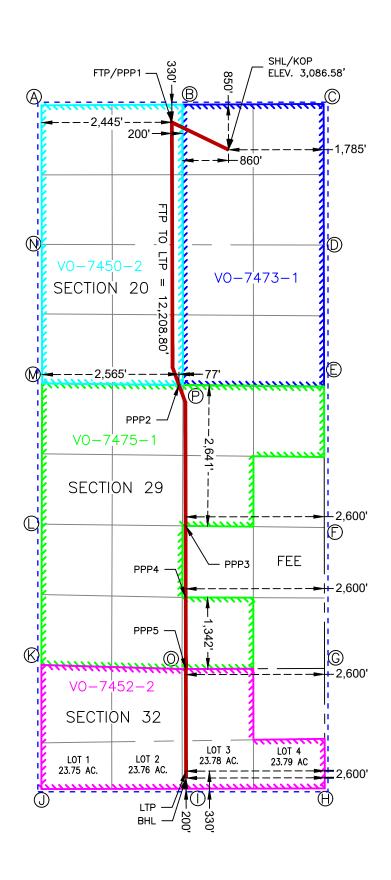
Vertical Section at 183.86° (350 usft/in)
Released to Imaging: 9/10/2024 11:26:31 AM

C-102 Submit Electronically		State of New Mexico Energy, Minerals & Natural Resources De OIL CONSERVATION DIVISION			ural Resources Dep	partment	artment		Revised July 9, 2024		
	Permitting	У		OIL (JOINOLINVA	THOR DIVIDION		Cubasiu -	☑ Initial Su	ıbmittal	
								Submitta Type:	☐ Amende	d Report	
									☐ As Drille	ed	
					WELL LOCA	TION INFORMATION					
API Nu	mber -015-		Pool Code	98220		Pool Name Purple	Sage;	Wolfca	mp, Gas		
Propert	y Code		Property N	ame	HONEY GI	RAHAM STATE COM			Well Numb	Well Number 706H	
OGRID	No. 21781	7	Operator N	lame		erating LLC			Ground Level Elevation 3,086.58'		
S		ner: 🗹 State	□ Fee □ T	ribal 🗹 Fe			/ner: ☑ Stat	e √ Fee	☐ Tribal ☐ Fe		
		1	T _	.	-	ace Location		- t.		_	
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		ongitude	County	
В	20	26S	28E		850' FNL	1,785' FEL	32.032	901 -	104.106775	EDDY	
						m Hole Location					
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		ongitude	County	
LOT 3	32	26S	28E		200' FSL	2,600' FEL	32.000	521 -	104.109419	EDDY	
Dedicat	ted Acres	Infill or Defir	ning Well	Defining	ı Well API	Overlapping Spacin	a Unit (Y/NI)	Consolida	ation Code		
	35.07	Defining V	-		nding	No No	9 Omit (1/1 1)	Corisonda	won code		
	Numbers.	1-59 1		1 6	nanig	Well setbacks are	under Comm	on Owners	hin: ∑Ves □N	No.	
Order	vuilibers.					Well Setbacks are	under Comm	On Owners	111p. M 1e3 □1	10	
		1	1_		1	Off Point (KOP)	1	 			
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		ongitude	County	
В	20	26S	28E		850' FNL	1,785' FEL	32.032	901 -	104.106775	EDDY	
		+	† _	+	+	ake Point (FTP)		1.			
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		ongitude	County	
С	20	26S	28E		330' FNL		32.034	323 -	104.110195	EDDY	
		Tauralain	Dames	1	+	Take Point (LTP)	1	1.	it l -	Carratar	
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		ongitude	County	
LOT 3	32	26S	28E		330' FSL	2,600' FEL	32.000	878 -	104.109419	EDDY	
Unitized	d Area or A	rea of Uniform	n Interest	Spacing	ı Unit Type ☒ ⊦	lorizontal □ Vertical	Grou	nd Floor El		6.58'	
OPERA	ATOR CER	TIFICATIONS	<u> </u>			SURVEYOR CERTIF	ICATIONS				
best of n that this in the lar well at th unleased	ny knowledg organizatior nd including nis location p d mineral in	e and belief, and n either owns a v the proposed be pursuant to a con- terest, or to a vo- fore entered by the	d, if the well is a working interest ottom hole loca ntract with an obluntary pooling the division.	a vertical or t or unlease tion or has wner of a w agreement	d complete to the r directional well, and mineral interest a right to drill this working interest or t or a compulsory tion has received		me or under m	own on this y superMsig	n, and that the s	from field notes c ame is true and	
				king into-			1 6221				
the cons mineral i the well's	sent of at lea interest in ea s completed om the division	st one lessee or ach tract (in the t interval will be lean.	owner of a wo arget pool or fo ocated or obtai	rmation) in	st or unleased which any part of	Signature and Seal of Pr		veyor	\$	24	
the cons mineral i the well's order fro	sent of at lea interest in ea s completed om the division	st one lessee or ach tract (in the t interval will be l	owner of a wo arget pool or fo ocated or obtai	ormation) in ned a comp ate	st or unleased which any part of			<u> </u>	\$ 1 m	24	
the cons mineral i the well's order fro	sent of at lea interest in eas s completed om the division of	st one lessee or ach tract (in the t interval will be lean.	owner of a wo arget pool or fo ocated or obtai	ormation) in ned a comp ate	st or unleased which any part of oulsory pooling			veyor	\$ 1 m	24	
the consimineral in the well's order from Signature Printed N Mayt	sent of at lea interest in ea s completed om the division re May Name	st one lessee or ach tract (in the tract (in the tract) interval will be lead to be achieved.	owner of a wording	ormation) in ned a comparte	st or unleased which any part of oulsory pooling	Signature and Seal of Proceedings of Procedings of Proceedings of Procedings of	rofessional Sur	veyor	\$ 1 m	24	

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



SURFACE HOLE LOCATION & KICK-OFF POINT 850' FNL & 1,785' FFL ELEV. = 3,086.58' NAD 83 X = 611,542.73' NAD 83 Y = 375,781.63' NAD 83 LAT = 32.032901' NAD 83 LONG = -104.106775'

FIRST TAKE POINT & PENETRATION POINT 1 330' FNL & 2,445' FWL NAD 83 X = 610,482.10' NAD 83 X = 376,296.63' NAD 83 LAT = 32.034323' NAD 83 LONG = -104.110195'

PENETRATION POINT 2 0' FSL & 2,565' FWL NAD 83 X = 610,614.34' NAD 83 Y = 371,371.64' NAD 83 LAT = 32.020784' NAD 83 LONG = -104.109801'

PENETRATION POINT 3 2,641' FNL & 2,600' FEL NAD 83 X = 610,739.25' NAD 83 Y = 368,729.29' NAD 83 LAT = 32.013519' NAD 83 LONG = -104.109416'

PENETRATION POINT 4 1,342' FSL & 2,600' FEL NAD 83 X = 610,741.38' NAD 83 Y = 367,387.38' NAD 83 LAT = 32.009830' NAD 83 LONG = -104.109418'

PENETRATION POINT 5 0' FSL & 2,600' FEL NAD 83 X = 610,743.52' NAD 83 Y = 366,045.39' NAD 83 LAT = 32.006141' NAD 83 LONG = -104.109420'

LAST TAKE POINT 330' FSL & 2,600' FEL NAD 83 X = 610,747.69' NAD 83 Y = 364,130.81' NAD 83 LAT = 32.000878' NAD 83 LONG = -104.109419'

BOTTOM HOLE LOCATION 200' FSL & 2,600' FEL NAD 83 X = 610,747.98' NAD 83 Y = 364,000.81' NAD 83 LAT = 32.000521' NAD 83 LONG = -104.109419'

CORNER COORDINATES
NEW MEXICO FAST- NAD 83
A - CALCULATED CORNER
N:376.615.08: E-608.036.32'
B - CALCULATED CORNER
N:376.627.57' E:610.681.69'
C - IRON PIPE W/ BRASS CAP
N:376.640.07' E:613.327.06'
D - IRON PIPE W/ BRASS CAP
N:373.994.44' E:613.329.11'
E - IRON PIPE W/ BRASS CAP
N:371.341.77' E:613.334.88'
F - CALCULATED CORNER
N:368.699.04' E:613.338.84'
G - IRON PIPE W/ BRASS CAP
N:366.093' E:613.343.50'
H - CALCULATED CORNER
N:368.690.04' E:613.343.50'
H - CALCULATED CORNER
N:368.360.03' E:613.348.41'
I - CALCULATED CORNER
N:363.794.43' E:608.035.07'
K - IRON PIPE W/ BRASS CAP
N:366.121.40' E:608.035.07'
L - IRON PIPE W/ BRASS CAP
N:368.761.08' E:608.035.07'
L - RON PIPE W/ BRASS CAP
N:368.761.08' E:608.041.84'
M - IRON PIPE W/ BRASS CAP
N:368.761.08' E:608.049.07'
N - CALCULATED CORNER
N:371.399.16' E:608.049.07'
N - CALCULATED CORNER
N:371.399.16' E:608.049.07'
O - IRON PIPE W/ BRASS CAP
N:366.045.09' E:610.671.17'
P - IRON PIPE W/ BRASS CAP
N:366.045.09' E:610.671.17'
P - IRON PIPE W/ BRASS CAP

Honey Graham State Com 706H

Casing and Cement

String	Hole Size	Csg OD	<u>PPF</u>	Depth	Sx Cement	TOC
Surface	14-3/4"	10-3/4"	45.5#	400'	450	0'
Intermediate	9-7/8"	7-5/8"	29.7#	7200'	920	0'
	8-3/4"	7-5/8"	29.7#	7200'-8840'		
Production	6-3/4"	5-1/2"	23#	21650'	1530	0'

Well Plan

Drill 14-3/4" hole to ~400' w/ fresh water spud mud. Run 10-3/4" 45.5# J55 BTC casing to TD and cement to surface in one stage.

Drill 9-7/8" hole to \sim 7,200' with cut brine before transitioning to 8-3/4" hole size to \sim 8840'. Run 7-5/8 29.7# L80-ICY BTC & P110-ICY W513 to TD and cement to surface in one stage.

Drill 6-3/4" vertical, curve and lateral to ~21,650' with OBM. Run 5.5" 23# P110-CY BTC casing from TD to surface and cement to surface in one stage.

Well Control

After setting 10-3/4" casing and installing 5000 psi casing head, NU 13-5/8" Cameron BOP. Test casing to 1500 psi, annular to 2500psi and other BOP equipment to 5000 psi.

<u>Type</u>	Working Pressure	Test Pressure	<u>Manufacture</u>
Double Ram	5000 psi	5000 psi	Cameron

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator: COG Op	perating LL	<u>C</u> OGRID: <u>2</u>	29137	Date: _	8/24/24		
II. Type: ☑ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.							
If Other, please describe	»:						
III. Well(s): Provide the be recompleted from a s					wells proposed to	be drilled or proposed to	
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D	
Honey Graham State Com 706H	30-015-	B-20-26S-28	850' FNL & 1785' FEL	± 865	± 3836	± 3564	
V. Anticipated Schedul proposed to be recomple	le: Provide the					19.15.27.9(D)(1) NMAC] s proposed to be drilled or	
Well Name	API	Spud Date	TD Reached Date	Completion Commencement			
Honey Graham State Com 706H	Pending	4/11/2025	± 25 days from spud	8/9/2025	8/19/2	025 8/24/2025	
VI. Separation Equipment: ☐ Attach a complete description of how Operator will size separation equipment to optimize gas capture. VII. Operational Practices: ☐ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC. VIII. Best Management Practices: ☐ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.							

Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

🛛 Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well		API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF	
X. Natural Gas Ga	thering System (NC	GGS):			
Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in	

XI. Map. \square Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural	gas gathering system	\square will \square will no	ot have capacity to gathe	er 100% of the anticipated	l natural gas
production volume from the well	prior to the date of first	st production.			

XIII. Line Pressure. Operator \square does \square does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality:

Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

🗵 Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or ☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. If Operator checks this box, Operator will select one of the following: Well Shut-In.

Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or Venting and Flaring Plan.

Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including: power generation on lease; (a) power generation for grid; **(b)** compression on lease; (c) (d) liquids removal on lease: reinjection for underground storage; (e) reinjection for temporary storage; **(f)** reinjection for enhanced oil recovery; (g) fuel cell production; and (h)

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

other alternative beneficial uses approved by the division.

- (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
- (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
- 2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

(i)

VI. Separation Equipment

How Operator will size separation equipment to optimize gas capture:

All ConocoPhillips production facility equipment will be sized per industry standards (API 12J) with adequate retention time to effectively separate all phases of production. Each project will take into consideration the number of wells and type curves for each formation pool to ensure adequate facility capacity. Design considerations will also include review of all piping, tanks, VRU's and associated equipment to ensure optimized gas capture minimized risk of release.

VII. Operational Practices

Actions Operator will take to comply with the requirements below:

B. Drilling Operations

- During drilling, flare stacks will be located a minimum of 100 feet from the nearest surface hole location. All gas is captured or combusted. If an emergency or malfunction occurs, gas will be flared or vented for public health, safety, and the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.

C. Completion Operations

- During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.
- Individual well test separators will be set to properly separate gas and liquids. A
 temporary test separator will be utilized initially to process volumes. In addition,
 separators will be tied into flowback tanks which will be tied into the gas processing
 equipment for sales down a pipeline.

D. Venting and flaring during production operations

- During each phase of well life (drilling, completion and production) of a ConocoPhillips well, COP personnel will follow all necessary procedures to ensure both the operation and the equipment are within the NMAC 19.15.27.8 Subsection D guidelines.
- During well operations that require unloading of the well to atmospheric pressure, all reasonable actions will be taken to minimize vented gas
- Through the life of the well all flaring shall be measured, and venting events quantified using the data available and industry best practice.

E. Performance standards for separation, storage tank and flare equipment

 All storage tanks and separation equipment are designed minimize risk of liquid or vapor release and optimize gas capture. This includes automation for automatic gauging and pressure monitoring.

- All flare stacks are equipped with auto ignition devices and/or continuous pilots and are designed to operate at maximum combustion efficiency pursuant NMAC 19.15.27.8
 Subsection E. Flares will follow COP spacing guidelines to ensure they are a safe distance from combustibles and operations equipment.
- COP personnel will conduct routine AVO inspections on a regular basis per NMAC 19.15.27.8 Subsection E guidelines.
- F. Measurement of vented and flared natural gas.
 - Measurement equipment will be installed to quantify gas flared during drilling, completion and production of the well.
 - All measurement devices installed will meet accuracy ratings per AGA and API standards.
 - Measurement devices will be installed without manifolds that allow diversion of gas around the metering element, except for the sole purpose of inspection of servicing the measurement device.

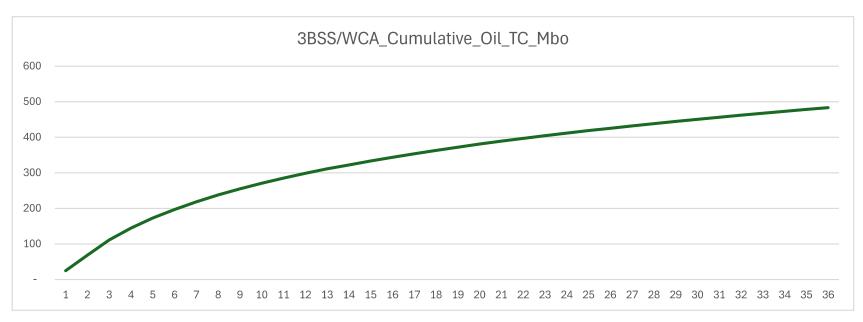
VIII. Best Management Practices

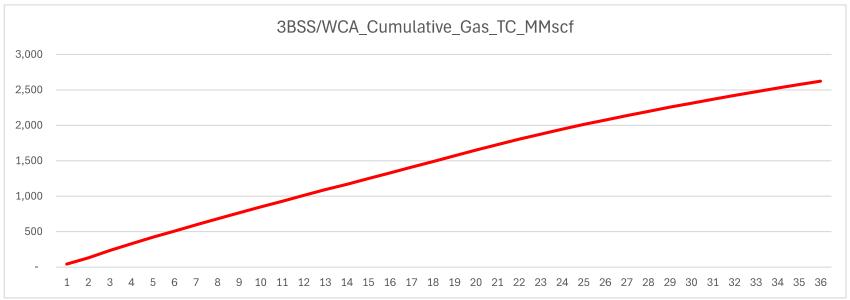
- Operator will curtail or shut in production, within reasonable limits, during upset conditions to minimize venting and flaring.
- When feasible, Operator will use equipment to capture gas that would otherwise be vented or flared
- During completions and production operations Operator will minimize blowdowns to atmosphere
- When feasible, Operator will use electric or air actuated equipment to reduce bleed emissions

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Mayte Reyes
Printed Name: Mayte Reyes
Title: Sr. Regulatory Coodinator
E-mail Address: mayte.x.reyes@conocophillips.com
Date: 8/24/2024
Phone: 575-748-6945
OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

Anticipated Production Decline Curve





COG OPERATING LLC HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- a. The hazards and characteristics of hydrogen sulfide (H₂S).
- b. The proper use and maintenance of personal protective equipment and life support systems.
- c. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- d. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- a. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- c. The contents and requirements of the H₂S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

2. <u>H₂S SAFETY EQUIPMENT AND SYSTEMS</u>

Note: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S. If H2S greater than 100 ppm is encountered in the gas stream we will shut in and install H2S equipment.

a. Well Control Equipment:

Flare line.

Choke manifold with remotely operated choke.

Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.

Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.

- b. Protective equipment for essential personnel:
 Mark II Surviveair 30-minute units located in the dog house and at briefing areas.
- c. H2S detection and monitoring equipment:
 2 portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.
- d. Visual warning systems: Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.
- e. Mud Program:
 The mud program has been designed to minimize the volume of H2S circulated to the surface.
- f. Metallurgy:
 All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.
- g. Communication:Company vehicles equipped with cellular telephone.

COG OPERATING LLC has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore, we do not believe that an H2S contingency plan is necessary.

WARNING

YOU ARE ENTERING AN H₂S AREA AUTHORIZED PERSONNEL ONLY

- 1. BEARDS OR CONTACT LENSES NOT ALLOWED
- 2. HARD HATS REQUIRED
- 3. SMOKING IN DESIGNATED AREAS ONLY
- 4. BE WIND CONSCIOUS AT ALL TIMES
- 5. CK WITH COG OPERATING LLC FOREMAN AT MAIN OFFICE

COG OPERATING LLC

1-575-748-6940

EMERGENCY CALL LIST

	<u>OFFICE</u>	MOBILE
COG OPERATING LLC OFFICE	575-748-6940	
SETH WILD	432-683-7443	432-528-3633
WALTER ROYE	575-748-6940	432-934-1886

EMERGENCY RESPONSE NUMBERS

	<u>OFFICE</u>
STATE POLICE	575-748-9718
EDDY COUNTY SHERIFF	575-746-2701
EMERGENCY MEDICAL SERVICES (AMBULANCE)	911 or 575-746-2701
EDDY COUNTY EMERGENCY MANAGEMENT (HARRY BURGESS)	575-887-9511
STATE EMERGENCY RESPONSE CENTER (SERC)	575-476-9620
CARLSBAD POLICE DEPARTMENT	575-885-2111
CARLSBAD FIRE DEPARTMENT	575-885-3125
NEW MEXICO OIL CONSERVATION DIVISION	575-748-1283
INDIAN FIRE & SAFETY	800-530-8693
HALLIBURTON SERVICES	800-844-8451