

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan
Grisham Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



07/29/2020

Operator Notice Regarding C-104 Denial and Request for Information

30-015-45546 WAY SOUTH STATE COM #706H

OCD is providing notice to operators that it will deny your C-104 – *Request for Allowable and Authorization to Transport* if it fails to provide complete and accurate information, including:

Test Allowable, New Well and Recompleted Well

Please review/amend attachment(s):

- ☐ C-103 (or BLM equivalent) for all casing strings
 - ☐ Spud Notice
 - ☐ Surface Casing
 - ☐ Intermediate Casing (if applicable)
 - ☐ Additional Intermediate Casing (if applicable)
 - ☒ Production Casing or Liner *Missing TD reached/RR dates.*

*Amend/Verify highlighted areas
on C-104 & C-105.*

- ☐ Applicable Order (NSL, NSP, Other _____)
- ☐ Deviation Survey for Vertical Wells
- ☐ Directional Survey
- ☐ C-102 (As-Drilled Plat for Horizontal Well)

New Well and Recompleted Well Only

- ☒ C-103 Completion Sundry (or BLM equivalent) *Missing date of production*
- ☐ C-105 Completion Report (or BLM equivalent)
- ☐ All Logs Run on Well

The sale or transport of product without an approved C-104 violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC. OCD determines that your C-104 is incomplete or inaccurate. Failure to comply with this notice may result in enforcement action.

If you have any questions, please contact the local OCD District Office.

Once Complete, re-submit through e docs asap. Thank you.

EMNRD-OCD ARTESIA Form C-104
REC'D: 4/28/2020 Revised August 1, 2011

Submit one copy to appropriate District Office

☒ AMENDED REPORT

¹ Operator name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210		² O GRID Number 229137	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30-015-45546	⁵ Pool Name Purple Sage; Wolfcamp		⁶ Pool Code 98220
⁷ Property Code 308269	⁸ Property Name Way South State Com		⁹ Well Number 706H

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
4	31	26S	28E		510	South	2340	East	Eddy

Ul or lot no. C	Section 19	Township 26S	Range 28E	Lot Idn	Feet from the 202	North/South Line North	Feet from the 2198	East/West line West	County Eddy
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 4/8/20			¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date	

¹⁸ Transporter O GRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	ACC	O
24650	Targa Midstream Services, LP 1000 Louisiana Ste 4700 Houston, TX 77002	G
278421	Holly Refining and Marketing PO Box 159 Artesia, NM 88210	O

²¹ Spud Date 5/4/19	²² Ready Date 03/10/20	²³ TD 21,459'	²⁴ PBTD 21,360'	²⁵ Perforations 9403-21,'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
26"	20"	500'	1130		
17 1/2"	13 3/8"	2390'	1625		
12 1/4"	9 5/8"	8558'	1620		
8 1/2"	5 1/2"	21449'	4780		
	2 7/8"	8537'			

³¹ Date New Oil 4/8/20	³² Gas Delivery Date 4/8/20	³³ Test Date 4/8/20	³⁴ Test Length 24 Hrs	^{h35} Tbg. Pressure 1527#	³⁶ Csg. Pressure 1147#
³⁷ Choke Size 21/128	³⁸ Oil 81	³⁹ Water 1547	⁴⁰ Gas 439		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature : <i>Amanda Avery</i>			OIL CONSERVATION DIVISION Approved by: DENIED		
Printed name: Amanda Avery			Title:		
Title: Regulatory Analyst			Approval Date:		
E-mail Address: aaavery@concho.com			REFER TO PAGE 1 OF THE ATTACHMENTS		
Date: 4/27/2020	Phone: 575-748-6962/575-365-4032				

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
511 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 746-1283 Fax: (575) 746-9720

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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

EMNRD-OCD ARTESIA

REC'D: 3/23/2020

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☒ AMENDED REPORT

As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45546		Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 308269	Property Name WAY SOUTH STATE COM		Well Number 706H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3107.5'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	31	26-S	28-E		510	SOUTH	2340	EAST	EDDY

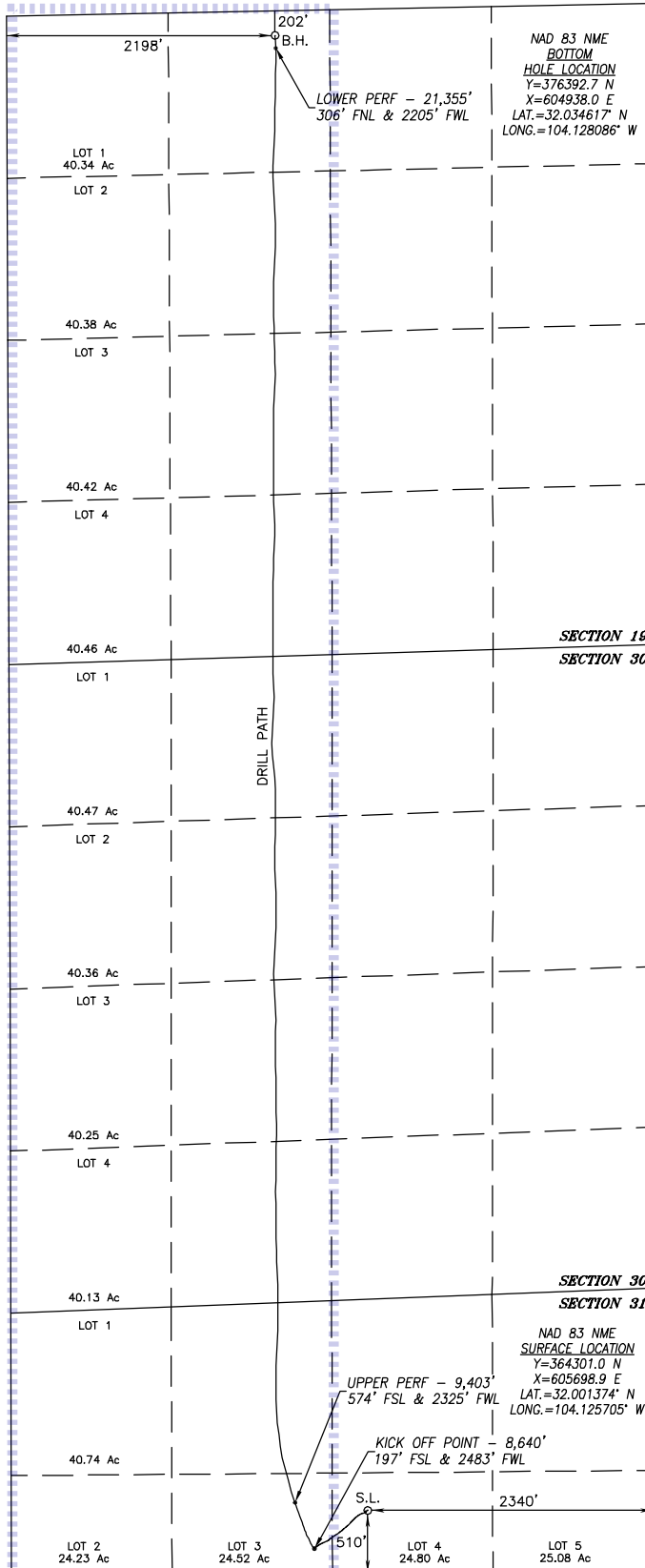
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	19	26-S	28-E		202	NORTH	2198	WEST	EDDY
Dedicated Acres 736.48		Joint or Infill	Consolidation Code	Order No.					

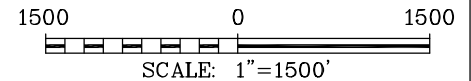
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code 308269	Property Name WAY SOUTH STATE COM	Well Number 706H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3107.5'



SURFACE INFO AND BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE WAY SOUTH STATE COM #706H SUPPLIED TO HARCROW SURVEYING, LLC ON MARCH 11, 2020



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Amanda Avery 03/19/20

Signature Date

Amanda Avery
Printed Name

aavery@concho.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JAN. 28, 2019/JULY 15, 2019

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 3/12/20
Certificate No. CHAD HARCROW 17777

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

NORTHERN DELAWARE BASIN

EDDY COUNTY, NM

ATLAS

WAY SOUTH ST COM #706H

OWB

Design: AWP

Standard Survey Report

15 July, 2019

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

Project	EDDY COUNTY, NM		
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	ATLAS		
Site Position:		Northing:	371,480.80 usft
From:	Map	Easting:	573,599.60 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 15.933 N
		Longitude:	104° 5' 45.086 W
		Grid Convergence:	0.13 °

Well	WAY SOUTH ST COM #706H, COG-ACTIVE		
Well Position	+N/-S	0.0 usft	Northing: 364,244.20 usft
	+E/-W	0.0 usft	Easting: 564,514.10 usft
Position Uncertainty	3.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 0' 4.500 N
		Longitude:	104° 7' 30.782 W
		Ground Level:	3,107.5 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	4/23/2019	6.99
			Dip Angle (°)
			59.75
			Field Strength (nT)
			47,559.79404763

Design	AWP		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			356.30

Survey Program	Date	7/15/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	8,445.0	GYRO (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
8,588.0	21,459.0	MWD-CURVE/LAT (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	1.30	259.70	100.0	-0.2	-1.1	-0.1	1.30	1.30	0.00
125.0	1.56	256.22	125.0	-0.3	-1.7	-0.2	1.10	1.04	-13.92
150.0	1.97	256.46	150.0	-0.5	-2.5	-0.4	1.64	1.64	0.96
175.0	2.14	257.30	175.0	-0.7	-3.3	-0.5	0.69	0.68	3.36
200.0	2.54	255.57	199.9	-1.0	-4.3	-0.7	1.62	1.60	-6.92
225.0	2.78	253.88	224.9	-1.3	-5.5	-0.9	1.01	0.96	-6.76
250.0	2.90	254.86	249.9	-1.6	-6.7	-1.2	0.52	0.48	3.92
275.0	2.89	253.72	274.8	-1.9	-7.9	-1.4	0.23	-0.04	-4.56
300.0	2.93	253.23	299.8	-2.3	-9.1	-1.7	0.19	0.16	-1.96

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)
325.0	3.16	251.26	324.8	-2.7	-10.3	-2.0	1.01	0.92	-7.88
350.0	3.25	248.63	349.7	-3.2	-11.7	-2.4	0.69	0.36	-10.52
375.0	3.27	246.30	374.7	-3.7	-13.0	-2.9	0.54	0.08	-9.32
400.0	3.28	245.29	399.7	-4.3	-14.3	-3.4	0.23	0.04	-4.04
425.0	3.30	245.75	424.6	-4.9	-15.6	-3.9	0.13	0.08	1.84
450.0	3.35	245.18	449.6	-5.5	-16.9	-4.4	0.24	0.20	-2.28
475.0	3.34	245.05	474.5	-6.1	-18.2	-4.9	0.05	-0.04	-0.52
500.0	3.35	245.05	499.5	-6.7	-19.5	-5.5	0.04	0.04	0.00
525.0	3.33	243.73	524.4	-7.4	-20.9	-6.0	0.32	-0.08	-5.28
550.0	3.35	243.53	549.4	-8.0	-22.2	-6.6	0.09	0.08	-0.80
575.0	3.25	241.51	574.4	-8.7	-23.4	-7.2	0.61	-0.40	-8.08
600.0	3.15	234.04	599.3	-9.4	-24.6	-7.8	1.71	-0.40	-29.88
625.0	2.96	231.29	624.3	-10.2	-25.7	-8.6	0.96	-0.76	-11.00
650.0	2.63	226.54	649.3	-11.0	-26.6	-9.3	1.61	-1.32	-19.00
675.0	2.11	218.21	674.2	-11.8	-27.3	-10.0	2.49	-2.08	-33.32
700.0	1.39	200.42	699.2	-12.4	-27.7	-10.6	3.58	-2.88	-71.16
725.0	0.99	178.00	724.2	-12.9	-27.8	-11.1	2.43	-1.60	-89.68
750.0	0.94	146.61	749.2	-13.3	-27.7	-11.5	2.10	-0.20	-125.56
775.0	1.06	128.27	774.2	-13.6	-27.4	-11.8	1.36	0.48	-73.36
800.0	1.04	124.28	799.2	-13.9	-27.0	-12.1	0.30	-0.08	-15.96
825.0	1.13	119.91	824.2	-14.2	-26.6	-12.4	0.49	0.36	-17.48
850.0	1.13	119.65	849.2	-14.4	-26.2	-12.7	0.02	0.00	-1.04
875.0	1.16	117.65	874.2	-14.6	-25.7	-13.0	0.20	0.12	-8.00
900.0	1.09	111.25	899.2	-14.8	-25.3	-13.2	0.57	-0.28	-25.60
925.0	1.09	109.23	924.2	-15.0	-24.8	-13.4	0.15	0.00	-8.08
950.0	1.18	90.58	949.2	-15.1	-24.4	-13.5	1.51	0.36	-74.60
975.0	1.35	83.79	974.2	-15.1	-23.8	-13.5	0.91	0.68	-27.16
1,000.0	1.36	79.70	999.2	-15.0	-23.2	-13.4	0.39	0.04	-16.36
1,025.0	1.41	77.74	1,024.2	-14.9	-22.6	-13.4	0.28	0.20	-7.84
1,050.0	1.40	79.17	1,049.2	-14.7	-22.0	-13.3	0.15	-0.04	5.72
1,075.0	1.36	77.41	1,074.1	-14.6	-21.4	-13.2	0.23	-0.16	-7.04
1,100.0	1.31	79.92	1,099.1	-14.5	-20.9	-13.1	0.31	-0.20	10.04
1,125.0	1.16	81.55	1,124.1	-14.4	-20.3	-13.1	0.62	-0.60	6.52
1,150.0	1.09	85.62	1,149.1	-14.4	-19.9	-13.0	0.42	-0.28	16.28
1,175.0	1.05	82.39	1,174.1	-14.3	-19.4	-13.0	0.29	-0.16	-12.92
1,200.0	0.92	82.39	1,199.1	-14.2	-19.0	-13.0	0.52	-0.52	0.00
1,225.0	0.85	83.27	1,224.1	-14.2	-18.6	-13.0	0.29	-0.28	3.52
1,250.0	0.82	81.55	1,249.1	-14.2	-18.2	-12.9	0.16	-0.12	-6.88
1,275.0	0.86	80.78	1,274.1	-14.1	-17.9	-12.9	0.17	0.16	-3.08
1,300.0	0.72	82.81	1,299.1	-14.0	-17.5	-12.9	0.57	-0.56	8.12
1,325.0	0.60	88.84	1,324.1	-14.0	-17.2	-12.9	0.55	-0.48	24.12
1,350.0	0.62	85.34	1,349.1	-14.0	-17.0	-12.9	0.17	0.08	-14.00
1,375.0	0.56	90.69	1,374.1	-14.0	-16.7	-12.9	0.33	-0.24	21.40

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)	
1,400.0	0.52	90.52	1,399.1	-14.0	-16.5	-12.9	0.16	-0.16	-0.68	
1,425.0	0.48	102.53	1,424.1	-14.0	-16.3	-13.0	0.45	-0.16	48.04	
1,450.0	0.54	94.68	1,449.1	-14.1	-16.0	-13.0	0.37	0.24	-31.40	
1,475.0	0.50	92.26	1,474.1	-14.1	-15.8	-13.0	0.18	-0.16	-9.68	
1,500.0	0.54	88.56	1,499.1	-14.1	-15.6	-13.0	0.21	0.16	-14.80	
1,525.0	0.54	92.24	1,524.1	-14.1	-15.4	-13.1	0.14	0.00	14.72	
1,550.0	0.59	90.61	1,549.1	-14.1	-15.1	-13.1	0.21	0.20	-6.52	
1,575.0	0.47	95.99	1,574.1	-14.1	-14.9	-13.1	0.52	-0.48	21.52	
1,600.0	0.51	96.25	1,599.1	-14.1	-14.7	-13.1	0.16	0.16	1.04	
1,625.0	0.50	89.04	1,624.1	-14.1	-14.4	-13.2	0.26	-0.04	-28.84	
1,650.0	0.52	98.20	1,649.1	-14.1	-14.2	-13.2	0.34	0.08	36.64	
1,675.0	0.65	94.59	1,674.1	-14.2	-14.0	-13.2	0.54	0.52	-14.44	
1,700.0	0.76	104.22	1,699.1	-14.2	-13.7	-13.3	0.65	0.44	38.52	
1,725.0	0.81	99.75	1,724.1	-14.3	-13.3	-13.4	0.32	0.20	-17.88	
1,750.0	0.87	102.08	1,749.1	-14.4	-13.0	-13.5	0.28	0.24	9.32	
1,775.0	0.84	102.81	1,774.1	-14.4	-12.6	-13.6	0.13	-0.12	2.92	
1,800.0	0.88	98.70	1,799.1	-14.5	-12.2	-13.7	0.29	0.16	-16.44	
1,825.0	0.68	109.30	1,824.1	-14.6	-11.9	-13.8	0.98	-0.80	42.40	
1,850.0	0.58	120.27	1,849.1	-14.7	-11.7	-13.9	0.62	-0.40	43.88	
1,875.0	0.39	149.01	1,874.1	-14.8	-11.5	-14.1	1.21	-0.76	114.96	
1,900.0	0.72	225.03	1,899.1	-15.0	-11.6	-14.2	2.93	1.32	304.08	
1,925.0	1.40	239.16	1,924.1	-15.3	-11.9	-14.5	2.89	2.72	56.52	
1,950.0	1.78	242.35	1,949.1	-15.6	-12.6	-14.8	1.56	1.52	12.76	
1,975.0	1.87	245.21	1,974.0	-16.0	-13.3	-15.1	0.51	0.36	11.44	
2,000.0	2.01	246.51	1,999.0	-16.3	-14.0	-15.4	0.59	0.56	5.20	
2,025.0	2.18	246.25	2,024.0	-16.7	-14.9	-15.7	0.68	0.68	-1.04	
2,050.0	2.29	249.55	2,049.0	-17.1	-15.8	-16.0	0.68	0.44	13.20	
2,075.0	2.46	249.74	2,074.0	-17.4	-16.7	-16.3	0.68	0.68	0.76	
2,100.0	2.41	255.60	2,099.0	-17.7	-17.8	-16.6	1.02	-0.20	23.44	
2,125.0	2.77	251.87	2,123.9	-18.1	-18.8	-16.8	1.59	1.44	-14.92	
2,150.0	3.35	253.31	2,148.9	-18.5	-20.1	-17.1	2.34	2.32	5.76	
2,175.0	3.51	254.51	2,173.8	-18.9	-21.6	-17.4	0.70	0.64	4.80	
2,200.0	3.77	255.86	2,198.8	-19.3	-23.1	-17.7	1.09	1.04	5.40	
2,225.0	3.87	256.33	2,223.7	-19.7	-24.7	-18.0	0.42	0.40	1.88	
2,250.0	3.95	255.88	2,248.7	-20.1	-26.4	-18.3	0.34	0.32	-1.80	
2,275.0	3.87	256.67	2,273.6	-20.5	-28.0	-18.6	0.39	-0.32	3.16	
2,300.0	3.83	255.75	2,298.6	-20.9	-29.6	-18.9	0.29	-0.16	-3.68	
2,325.0	3.69	255.53	2,323.5	-21.3	-31.2	-19.2	0.56	-0.56	-0.88	
2,350.0	3.46	255.36	2,348.5	-21.7	-32.7	-19.5	0.92	-0.92	-0.68	
2,375.0	3.53	254.65	2,373.4	-22.1	-34.2	-19.8	0.33	0.28	-2.84	
2,400.0	3.52	254.54	2,398.4	-22.5	-35.7	-20.1	0.05	-0.04	-0.44	
2,425.0	3.54	254.54	2,423.3	-22.9	-37.2	-20.5	0.08	0.08	0.00	
2,450.0	3.54	254.18	2,448.3	-23.3	-38.7	-20.8	0.09	0.00	-1.44	

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)
2,475.0	3.58	254.56	2,473.2	-23.7	-40.2	-21.1	0.19	0.16	1.52
2,500.0	3.59	254.38	2,498.2	-24.1	-41.7	-21.4	0.06	0.04	-0.72
2,525.0	3.59	254.27	2,523.1	-24.6	-43.2	-21.7	0.03	0.00	-0.44
2,550.0	3.62	254.90	2,548.1	-25.0	-44.7	-22.1	0.20	0.12	2.52
2,575.0	3.71	255.04	2,573.0	-25.4	-46.2	-22.4	0.36	0.36	0.56
2,600.0	3.69	254.91	2,598.0	-25.8	-47.8	-22.7	0.09	-0.08	-0.52
2,625.0	3.64	253.83	2,622.9	-26.3	-49.3	-23.0	0.34	-0.20	-4.32
2,650.0	4.16	248.79	2,647.9	-26.8	-50.9	-23.5	2.49	2.08	-20.16
2,675.0	4.45	246.69	2,672.8	-27.5	-52.7	-24.1	1.32	1.16	-8.40
2,700.0	4.68	245.07	2,697.7	-28.3	-54.5	-24.8	1.05	0.92	-6.48
2,725.0	4.77	243.13	2,722.6	-29.2	-56.3	-25.5	0.73	0.36	-7.76
2,750.0	4.82	241.92	2,747.5	-30.2	-58.2	-26.4	0.45	0.20	-4.84
2,775.0	4.81	242.38	2,772.5	-31.2	-60.1	-27.2	0.16	-0.04	1.84
2,800.0	4.83	241.39	2,797.4	-32.2	-61.9	-28.1	0.34	0.08	-3.96
2,825.0	4.86	241.71	2,822.3	-33.2	-63.8	-29.0	0.16	0.12	1.28
2,850.0	4.89	241.31	2,847.2	-34.2	-65.6	-29.9	0.18	0.12	-1.60
2,875.0	4.97	238.96	2,872.1	-35.3	-67.5	-30.8	0.87	0.32	-9.40
2,900.0	4.91	237.93	2,897.0	-36.4	-69.3	-31.8	0.43	-0.24	-4.12
2,925.0	4.92	237.24	2,921.9	-37.5	-71.1	-32.9	0.24	0.04	-2.76
2,950.0	4.95	236.40	2,946.8	-38.7	-72.9	-33.9	0.31	0.12	-3.36
2,975.0	4.93	236.57	2,971.7	-39.9	-74.7	-35.0	0.10	-0.08	0.68
3,000.0	4.96	235.75	2,996.6	-41.1	-76.5	-36.1	0.31	0.12	-3.28
3,025.0	4.94	234.82	3,021.5	-42.3	-78.3	-37.2	0.33	-0.08	-3.72
3,050.0	4.94	235.12	3,046.4	-43.6	-80.1	-38.3	0.10	0.00	1.20
3,075.0	4.95	234.55	3,071.4	-44.8	-81.8	-39.4	0.20	0.04	-2.28
3,100.0	4.92	233.67	3,096.3	-46.1	-83.6	-40.6	0.33	-0.12	-3.52
3,125.0	4.94	233.02	3,121.2	-47.3	-85.3	-41.7	0.24	0.08	-2.60
3,150.0	4.93	231.92	3,146.1	-48.6	-87.0	-42.9	0.38	-0.04	-4.40
3,175.0	4.90	231.11	3,171.0	-50.0	-88.7	-44.2	0.30	-0.12	-3.24
3,200.0	4.84	230.72	3,195.9	-51.3	-90.3	-45.4	0.27	-0.24	-1.56
3,225.0	4.87	230.10	3,220.8	-52.7	-91.9	-46.6	0.24	0.12	-2.48
3,250.0	4.93	229.57	3,245.7	-54.0	-93.6	-47.9	0.30	0.24	-2.12
3,275.0	4.84	229.97	3,270.6	-55.4	-95.2	-49.2	0.38	-0.36	1.60
3,300.0	4.85	229.51	3,295.5	-56.8	-96.8	-50.4	0.16	0.04	-1.84
3,325.0	4.85	229.39	3,320.4	-58.2	-98.4	-51.7	0.04	0.00	-0.48
3,350.0	4.86	229.06	3,345.4	-59.5	-100.0	-53.0	0.12	0.04	-1.32
3,375.0	4.91	228.65	3,370.3	-60.9	-101.6	-54.3	0.24	0.20	-1.64
3,400.0	4.95	228.89	3,395.2	-62.4	-103.2	-55.6	0.18	0.16	0.96
3,425.0	4.92	228.41	3,420.1	-63.8	-104.9	-56.9	0.20	-0.12	-1.92
3,450.0	4.89	227.72	3,445.0	-65.2	-106.4	-58.2	0.26	-0.12	-2.76
3,475.0	4.79	226.52	3,469.9	-66.6	-108.0	-59.5	0.57	-0.40	-4.80
3,500.0	4.76	226.01	3,494.8	-68.1	-109.5	-60.9	0.21	-0.12	-2.04
3,525.0	4.96	227.09	3,519.7	-69.5	-111.0	-62.2	0.88	0.80	4.32
3,550.0	5.03	226.47	3,544.6	-71.0	-112.6	-63.6	0.35	0.28	-2.48

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)
3,575.0	4.96	225.92	3,569.5	-72.5	-114.2	-65.0	0.34	-0.28	-2.20
3,600.0	5.04	226.10	3,594.4	-74.0	-115.8	-66.4	0.33	0.32	0.72
3,625.0	5.02	225.70	3,619.3	-75.6	-117.3	-67.9	0.16	-0.08	-1.60
3,650.0	4.95	225.54	3,644.2	-77.1	-118.9	-69.3	0.29	-0.28	-0.64
3,675.0	4.99	225.73	3,669.2	-78.6	-120.4	-70.7	0.17	0.16	0.76
3,700.0	4.96	224.71	3,694.1	-80.1	-122.0	-72.1	0.37	-0.12	-4.08
3,725.0	4.94	224.28	3,719.0	-81.7	-123.5	-73.5	0.17	-0.08	-1.72
3,750.0	4.95	223.66	3,743.9	-83.2	-125.0	-75.0	0.22	0.04	-2.48
3,775.0	4.90	224.27	3,768.8	-84.8	-126.5	-76.4	0.29	-0.20	2.44
3,800.0	4.88	223.28	3,793.7	-86.3	-127.9	-77.9	0.35	-0.08	-3.96
3,825.0	4.87	223.45	3,818.6	-87.9	-129.4	-79.3	0.07	-0.04	0.68
3,850.0	4.82	222.37	3,843.5	-89.4	-130.8	-80.8	0.42	-0.20	-4.32
3,875.0	4.85	222.58	3,868.4	-91.0	-132.3	-82.2	0.14	0.12	0.84
3,900.0	4.78	221.34	3,893.3	-92.5	-133.7	-83.7	0.50	-0.28	-4.96
3,925.0	4.80	222.09	3,918.2	-94.1	-135.1	-85.2	0.26	0.08	3.00
3,950.0	4.69	221.59	3,943.2	-95.6	-136.4	-86.6	0.47	-0.44	-2.00
3,975.0	4.64	220.57	3,968.1	-97.1	-137.8	-88.1	0.39	-0.20	-4.08
4,000.0	4.65	220.67	3,993.0	-98.7	-139.1	-89.5	0.05	0.04	0.40
4,025.0	4.71	220.76	4,017.9	-100.2	-140.4	-91.0	0.24	0.24	0.36
4,050.0	4.66	220.93	4,042.8	-101.8	-141.8	-92.4	0.21	-0.20	0.68
4,075.0	4.62	220.29	4,067.7	-103.3	-143.1	-93.9	0.26	-0.16	-2.56
4,100.0	4.58	220.59	4,092.7	-104.8	-144.4	-95.3	0.19	-0.16	1.20
4,125.0	4.58	221.44	4,117.6	-106.3	-145.7	-96.7	0.27	0.00	3.40
4,150.0	4.61	220.72	4,142.5	-107.8	-147.0	-98.1	0.26	0.12	-2.88
4,175.0	4.57	221.13	4,167.4	-109.4	-148.3	-99.6	0.21	-0.16	1.64
4,200.0	4.55	220.77	4,192.3	-110.9	-149.6	-101.0	0.14	-0.08	-1.44
4,225.0	4.58	220.91	4,217.3	-112.4	-150.9	-102.4	0.13	0.12	0.56
4,250.0	4.56	221.49	4,242.2	-113.9	-152.2	-103.8	0.20	-0.08	2.32
4,275.0	4.41	226.55	4,267.1	-115.3	-153.6	-105.1	1.69	-0.60	20.24
4,300.0	4.34	229.48	4,292.0	-116.5	-155.0	-106.3	0.94	-0.28	11.72
4,325.0	4.29	228.82	4,317.0	-117.8	-156.4	-107.5	0.28	-0.20	-2.64
4,350.0	4.30	229.24	4,341.9	-119.0	-157.8	-108.6	0.13	0.04	1.68
4,375.0	4.29	229.96	4,366.8	-120.2	-159.3	-109.7	0.22	-0.04	2.88
4,400.0	4.36	229.59	4,391.8	-121.4	-160.7	-110.8	0.30	0.28	-1.48
4,425.0	4.39	230.85	4,416.7	-122.7	-162.2	-111.9	0.40	0.12	5.04
4,450.0	4.33	229.79	4,441.6	-123.9	-163.6	-113.1	0.40	-0.24	-4.24
4,475.0	4.36	229.94	4,466.5	-125.1	-165.1	-114.2	0.13	0.12	0.60
4,500.0	4.30	229.23	4,491.5	-126.3	-166.5	-115.3	0.32	-0.24	-2.84
4,525.0	4.43	230.40	4,516.4	-127.5	-168.0	-116.4	0.63	0.52	4.68
4,550.0	4.48	230.00	4,541.3	-128.8	-169.5	-117.6	0.24	0.20	-1.60
4,575.0	4.49	229.96	4,566.2	-130.0	-171.0	-118.8	0.04	0.04	-0.16
4,600.0	4.47	230.43	4,591.2	-131.3	-172.5	-119.9	0.17	-0.08	1.88
4,625.0	4.50	230.44	4,616.1	-132.5	-174.0	-121.0	0.12	0.12	0.04

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)
4,650.0	4.89	231.09	4,641.0	-133.8	-175.5	-122.2	1.57	1.56	2.60
4,675.0	4.92	230.71	4,665.9	-135.2	-177.2	-123.5	0.18	0.12	-1.52
4,700.0	4.96	231.17	4,690.8	-136.5	-178.9	-124.7	0.23	0.16	1.84
4,725.0	5.01	231.30	4,715.7	-137.9	-180.6	-126.0	0.21	0.20	0.52
4,750.0	5.04	231.34	4,740.6	-139.3	-182.3	-127.2	0.12	0.12	0.16
4,775.0	5.06	231.39	4,765.5	-140.6	-184.0	-128.5	0.08	0.08	0.20
4,800.0	5.03	230.82	4,790.4	-142.0	-185.7	-129.8	0.23	-0.12	-2.28
4,825.0	5.02	230.57	4,815.3	-143.4	-187.4	-131.0	0.10	-0.04	-1.00
4,850.0	4.99	230.99	4,840.2	-144.8	-189.1	-132.3	0.19	-0.12	1.68
4,875.0	5.01	230.34	4,865.1	-146.2	-190.8	-133.6	0.24	0.08	-2.60
4,900.0	5.04	230.37	4,890.1	-147.6	-192.5	-134.9	0.12	0.12	0.12
4,925.0	4.98	229.72	4,915.0	-149.0	-194.1	-136.1	0.33	-0.24	-2.60
4,950.0	4.93	229.47	4,939.9	-150.4	-195.8	-137.4	0.22	-0.20	-1.00
4,975.0	5.00	228.91	4,964.8	-151.8	-197.4	-138.7	0.34	0.28	-2.24
5,000.0	4.95	228.36	4,989.7	-153.2	-199.0	-140.1	0.28	-0.20	-2.20
5,025.0	4.88	228.34	5,014.6	-154.6	-200.6	-141.4	0.28	-0.28	-0.08
5,050.0	4.95	228.04	5,039.5	-156.1	-202.2	-142.7	0.30	0.28	-1.20
5,075.0	4.94	228.62	5,064.4	-157.5	-203.9	-144.0	0.20	-0.04	2.32
5,100.0	5.00	229.11	5,089.3	-158.9	-205.5	-145.3	0.29	0.24	1.96
5,125.0	5.13	229.22	5,114.2	-160.4	-207.2	-146.7	0.52	0.52	0.44
5,150.0	5.18	229.37	5,139.1	-161.8	-208.9	-148.0	0.21	0.20	0.60
5,175.0	5.23	229.75	5,164.0	-163.3	-210.6	-149.4	0.24	0.20	1.52
5,200.0	5.31	229.73	5,188.9	-164.8	-212.3	-150.8	0.32	0.32	-0.08
5,225.0	5.24	230.27	5,213.8	-166.3	-214.1	-152.1	0.34	-0.28	2.16
5,250.0	5.20	229.79	5,238.7	-167.7	-215.8	-153.5	0.24	-0.16	-1.92
5,275.0	5.33	230.04	5,263.6	-169.2	-217.6	-154.8	0.53	0.52	1.00
5,300.0	5.40	230.28	5,288.5	-170.7	-219.4	-156.2	0.29	0.28	0.96
5,325.0	5.42	232.71	5,313.4	-172.2	-221.2	-157.5	0.92	0.08	9.72
5,350.0	5.52	231.95	5,338.2	-173.6	-223.1	-158.9	0.49	0.40	-3.04
5,375.0	5.53	232.23	5,363.1	-175.1	-225.0	-160.2	0.12	0.04	1.12
5,400.0	5.53	231.62	5,388.0	-176.6	-226.9	-161.6	0.24	0.00	-2.44
5,425.0	5.51	232.21	5,412.9	-178.1	-228.8	-162.9	0.24	-0.08	2.36
5,450.0	5.59	232.18	5,437.8	-179.6	-230.7	-164.3	0.32	0.32	-0.12
5,475.0	5.56	232.35	5,462.7	-181.0	-232.6	-165.7	0.14	-0.12	0.68
5,500.0	5.50	232.34	5,487.5	-182.5	-234.5	-167.0	0.24	-0.24	-0.04
5,525.0	5.48	233.25	5,512.4	-184.0	-236.5	-168.3	0.36	-0.08	3.64
5,550.0	5.58	233.02	5,537.3	-185.4	-238.4	-169.6	0.41	0.40	-0.92
5,575.0	5.65	233.23	5,562.2	-186.9	-240.3	-171.0	0.29	0.28	0.84
5,600.0	5.79	236.55	5,587.1	-188.3	-242.4	-172.3	1.44	0.56	13.28
5,625.0	5.73	237.62	5,611.9	-189.7	-244.5	-173.5	0.49	-0.24	4.28
5,650.0	5.76	237.26	5,636.8	-191.0	-246.6	-174.7	0.19	0.12	-1.44
5,675.0	5.82	237.33	5,661.7	-192.4	-248.7	-175.9	0.24	0.24	0.28
5,700.0	5.77	237.14	5,686.6	-193.7	-250.8	-177.2	0.21	-0.20	-0.76

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)
5,725.0	5.79	237.16	5,711.4	-195.1	-253.0	-178.4	0.08	0.08	0.08
5,750.0	5.82	237.54	5,736.3	-196.5	-255.1	-179.6	0.20	0.12	1.52
5,775.0	5.75	237.03	5,761.2	-197.8	-257.2	-180.8	0.35	-0.28	-2.04
5,800.0	5.61	236.41	5,786.1	-199.2	-259.3	-182.1	0.61	-0.56	-2.48
5,825.0	5.59	236.30	5,810.9	-200.5	-261.3	-183.3	0.09	-0.08	-0.44
5,850.0	5.70	236.32	5,835.8	-201.9	-263.3	-184.5	0.44	0.44	0.08
5,875.0	5.50	236.10	5,860.7	-203.3	-265.4	-185.7	0.80	-0.80	-0.88
5,900.0	5.60	236.76	5,885.6	-204.6	-267.4	-186.9	0.47	0.40	2.64
5,925.0	5.37	236.08	5,910.5	-205.9	-269.4	-188.1	0.96	-0.92	-2.72
5,950.0	5.19	236.13	5,935.4	-207.2	-271.3	-189.3	0.72	-0.72	0.20
5,975.0	5.12	236.74	5,960.3	-208.4	-273.2	-190.4	0.36	-0.28	2.44
6,000.0	5.11	236.94	5,985.2	-209.7	-275.0	-191.5	0.08	-0.04	0.80
6,025.0	5.05	236.46	6,010.1	-210.9	-276.9	-192.6	0.29	-0.24	-1.92
6,050.0	4.98	236.70	6,035.0	-212.1	-278.7	-193.7	0.29	-0.28	0.96
6,075.0	5.00	236.28	6,059.9	-213.3	-280.5	-194.8	0.17	0.08	-1.68
6,100.0	4.91	235.76	6,084.8	-214.5	-282.3	-195.8	0.40	-0.36	-2.08
6,125.0	4.81	234.80	6,109.7	-215.7	-284.0	-196.9	0.52	-0.40	-3.84
6,150.0	4.54	233.33	6,134.6	-216.9	-285.7	-198.0	1.18	-1.08	-5.88
6,175.0	4.56	233.31	6,159.5	-218.1	-287.3	-199.1	0.08	0.08	-0.08
6,200.0	4.35	232.08	6,184.5	-219.3	-288.8	-200.2	0.92	-0.84	-4.92
6,225.0	4.26	232.82	6,209.4	-220.4	-290.3	-201.2	0.42	-0.36	2.96
6,250.0	4.16	234.20	6,234.3	-221.5	-291.8	-202.2	0.57	-0.40	5.52
6,275.0	3.99	236.23	6,259.2	-222.5	-293.3	-203.1	0.89	-0.68	8.12
6,300.0	3.97	237.10	6,284.2	-223.5	-294.7	-204.0	0.25	-0.08	3.48
6,325.0	3.76	237.32	6,309.1	-224.4	-296.1	-204.8	0.84	-0.84	0.88
6,350.0	3.75	238.45	6,334.1	-225.2	-297.5	-205.6	0.30	-0.04	4.52
6,375.0	3.63	237.48	6,359.0	-226.1	-298.9	-206.4	0.54	-0.48	-3.88
6,400.0	3.49	236.95	6,384.0	-226.9	-300.2	-207.1	0.58	-0.56	-2.12
6,425.0	3.47	235.41	6,408.9	-227.8	-301.4	-207.9	0.38	-0.08	-6.16
6,450.0	3.57	233.37	6,433.9	-228.7	-302.7	-208.7	0.64	0.40	-8.16
6,475.0	3.43	229.07	6,458.8	-229.6	-303.9	-209.6	1.19	-0.56	-17.20
6,500.0	3.40	225.12	6,483.8	-230.6	-305.0	-210.5	0.95	-0.12	-15.80
6,525.0	3.45	225.18	6,508.7	-231.7	-306.0	-211.5	0.20	0.20	0.24
6,550.0	3.40	225.56	6,533.7	-232.7	-307.1	-212.5	0.22	-0.20	1.52
6,575.0	3.45	226.33	6,558.7	-233.8	-308.2	-213.4	0.27	0.20	3.08
6,600.0	3.43	226.10	6,583.6	-234.8	-309.2	-214.4	0.10	-0.08	-0.92
6,625.0	3.52	226.35	6,608.6	-235.9	-310.3	-215.4	0.37	0.36	1.00
6,650.0	3.39	225.11	6,633.5	-236.9	-311.4	-216.3	0.60	-0.52	-4.96
6,675.0	3.15	226.77	6,658.5	-237.9	-312.4	-217.3	1.03	-0.96	6.64
6,700.0	3.08	227.13	6,683.4	-238.8	-313.4	-218.1	0.29	-0.28	1.44
6,725.0	2.55	219.77	6,708.4	-239.7	-314.3	-219.0	2.56	-2.12	-29.44
6,750.0	2.60	218.85	6,733.4	-240.6	-315.0	-219.8	0.26	0.20	-3.68
6,775.0	2.75	218.81	6,758.4	-241.5	-315.7	-220.6	0.60	0.60	-0.16
6,800.0	2.82	218.93	6,783.3	-242.4	-316.5	-221.5	0.28	0.28	0.48

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)
6,825.0	2.85	221.42	6,808.3	-243.4	-317.3	-222.4	0.51	0.12	9.96
6,850.0	3.13	228.34	6,833.3	-244.3	-318.2	-223.3	1.83	1.12	27.68
6,875.0	3.18	236.13	6,858.2	-245.1	-319.3	-224.1	1.73	0.20	31.16
6,900.0	3.35	240.33	6,883.2	-245.9	-320.5	-224.7	1.17	0.68	16.80
6,925.0	3.47	244.46	6,908.1	-246.6	-321.8	-225.3	1.09	0.48	16.52
6,950.0	3.28	247.92	6,933.1	-247.2	-323.2	-225.8	1.11	-0.76	13.84
6,975.0	3.22	249.36	6,958.1	-247.7	-324.5	-226.3	0.41	-0.24	5.76
7,000.0	3.34	247.50	6,983.0	-248.2	-325.8	-226.7	0.64	0.48	-7.44
7,025.0	3.32	248.89	7,008.0	-248.8	-327.2	-227.2	0.33	-0.08	5.56
7,050.0	3.39	248.44	7,032.9	-249.3	-328.5	-227.6	0.30	0.28	-1.80
7,075.0	3.47	248.69	7,057.9	-249.8	-329.9	-228.1	0.33	0.32	1.00
7,100.0	3.54	247.85	7,082.8	-250.4	-331.3	-228.5	0.35	0.28	-3.36
7,125.0	3.63	249.56	7,107.8	-251.0	-332.8	-229.0	0.56	0.36	6.84
7,150.0	3.76	249.45	7,132.7	-251.5	-334.3	-229.5	0.52	0.52	-0.44
7,175.0	3.92	249.32	7,157.7	-252.1	-335.9	-230.0	0.64	0.64	-0.52
7,200.0	4.07	250.23	7,182.6	-252.7	-337.5	-230.4	0.65	0.60	3.64
7,225.0	4.51	246.12	7,207.6	-253.4	-339.2	-231.0	2.15	1.76	-16.44
7,250.0	4.81	243.01	7,232.5	-254.3	-341.1	-231.8	1.57	1.20	-12.44
7,275.0	4.87	243.36	7,257.4	-255.3	-342.9	-232.6	0.27	0.24	1.40
7,300.0	4.97	243.44	7,282.3	-256.2	-344.9	-233.4	0.40	0.40	0.32
7,325.0	4.92	243.06	7,307.2	-257.2	-346.8	-234.3	0.24	-0.20	-1.52
7,350.0	5.05	243.11	7,332.1	-258.2	-348.7	-235.1	0.52	0.52	0.20
7,375.0	4.98	242.88	7,357.0	-259.2	-350.7	-236.0	0.29	-0.28	-0.92
7,400.0	5.16	245.03	7,381.9	-260.1	-352.7	-236.9	1.05	0.72	8.60
7,425.0	5.19	246.46	7,406.8	-261.1	-354.7	-237.6	0.53	0.12	5.72
7,450.0	5.18	247.30	7,431.7	-261.9	-356.8	-238.4	0.31	-0.04	3.36
7,475.0	5.29	247.22	7,456.6	-262.8	-358.9	-239.1	0.44	0.44	-0.32
7,500.0	5.35	247.78	7,481.5	-263.7	-361.0	-239.9	0.32	0.24	2.24
7,525.0	5.49	247.66	7,506.4	-264.6	-363.2	-240.6	0.56	0.56	-0.48
7,550.0	5.70	248.54	7,531.3	-265.5	-365.5	-241.4	0.91	0.84	3.52
7,575.0	5.71	247.64	7,556.1	-266.4	-367.8	-242.2	0.36	0.04	-3.60
7,600.0	5.88	246.88	7,581.0	-267.4	-370.1	-243.0	0.75	0.68	-3.04
7,625.0	5.94	246.27	7,605.9	-268.4	-372.5	-243.9	0.35	0.24	-2.44
7,650.0	5.96	245.24	7,630.7	-269.5	-374.8	-244.8	0.43	0.08	-4.12
7,675.0	5.89	244.37	7,655.6	-270.6	-377.2	-245.7	0.46	-0.28	-3.48
7,700.0	5.75	242.63	7,680.5	-271.7	-379.4	-246.7	0.90	-0.56	-6.96
7,725.0	5.61	241.21	7,705.4	-272.9	-381.6	-247.7	0.79	-0.56	-5.68
7,750.0	5.53	240.91	7,730.2	-274.1	-383.8	-248.8	0.34	-0.32	-1.20
7,775.0	5.34	240.38	7,755.1	-275.2	-385.8	-249.8	0.79	-0.76	-2.12
7,800.0	5.31	240.43	7,780.0	-276.4	-387.8	-250.8	0.12	-0.12	0.20
7,825.0	5.17	240.00	7,804.9	-277.5	-389.8	-251.8	0.58	-0.56	-1.72
7,850.0	5.13	240.43	7,829.8	-278.6	-391.8	-252.8	0.22	-0.16	1.72
7,875.0	4.95	240.26	7,854.7	-279.7	-393.7	-253.8	0.72	-0.72	-0.68

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)
7,900.0	4.82	240.52	7,879.6	-280.8	-395.5	-254.7	0.53	-0.52	1.04
7,925.0	4.66	240.30	7,904.5	-281.8	-397.3	-255.6	0.64	-0.64	-0.88
7,950.0	4.61	240.50	7,929.5	-282.8	-399.1	-256.5	0.21	-0.20	0.80
7,975.0	4.66	239.32	7,954.4	-283.8	-400.8	-257.4	0.43	0.20	-4.72
8,000.0	4.64	236.61	7,979.3	-284.9	-402.5	-258.3	0.88	-0.08	-10.84
8,025.0	4.84	236.20	8,004.2	-286.0	-404.3	-259.4	0.81	0.80	-1.64
8,050.0	4.80	235.99	8,029.1	-287.2	-406.0	-260.4	0.17	-0.16	-0.84
8,075.0	4.53	235.26	8,054.0	-288.3	-407.7	-261.5	1.11	-1.08	-2.92
8,100.0	4.25	236.00	8,079.0	-289.4	-409.3	-262.4	1.14	-1.12	2.96
8,125.0	4.02	234.90	8,103.9	-290.4	-410.7	-263.4	0.97	-0.92	-4.40
8,150.0	3.95	235.83	8,128.8	-291.4	-412.2	-264.2	0.38	-0.28	3.72
8,175.0	3.83	236.16	8,153.8	-292.4	-413.6	-265.1	0.49	-0.48	1.32
8,200.0	3.83	234.69	8,178.7	-293.3	-415.0	-266.0	0.39	0.00	-5.88
8,225.0	3.86	232.60	8,203.7	-294.3	-416.3	-266.9	0.57	0.12	-8.36
8,250.0	3.83	231.63	8,228.6	-295.3	-417.6	-267.8	0.29	-0.12	-3.88
8,275.0	3.68	230.36	8,253.6	-296.4	-418.9	-268.8	0.69	-0.60	-5.08
8,300.0	3.61	226.61	8,278.5	-297.4	-420.1	-269.7	0.99	-0.28	-15.00
8,325.0	3.57	227.13	8,303.5	-298.5	-421.2	-270.7	0.21	-0.16	2.08
8,350.0	3.86	226.19	8,328.4	-299.6	-422.4	-271.8	1.19	1.16	-3.76
8,375.0	4.03	225.44	8,353.4	-300.8	-423.6	-272.9	0.71	0.68	-3.00
8,400.0	4.13	225.21	8,378.3	-302.1	-424.9	-274.0	0.41	0.40	-0.92
8,425.0	4.26	223.71	8,403.2	-303.4	-426.2	-275.3	0.68	0.52	-6.00
8,445.0	4.30	224.91	8,423.2	-304.4	-427.2	-276.3	0.49	0.20	6.00
8,588.0	3.97	224.79	8,565.8	-311.7	-434.5	-283.1	0.23	-0.23	-0.08
First MWD Svy @ 8588'MD									
8,645.0	3.06	249.11	8,622.7	-313.7	-437.3	-284.8	3.03	-1.60	42.67
8,677.0	3.74	300.79	8,654.6	-313.5	-439.0	-284.5	9.45	2.13	161.50
8,708.0	5.86	322.20	8,685.5	-311.7	-440.9	-282.6	8.84	6.84	69.06
8,740.0	8.53	324.99	8,717.3	-308.4	-443.2	-279.2	8.41	8.34	8.72
8,772.0	12.38	327.39	8,748.7	-303.6	-446.4	-274.2	12.11	12.03	7.50
8,804.0	15.06	329.02	8,779.8	-297.2	-450.4	-267.5	8.46	8.38	5.09
8,835.0	17.23	329.58	8,809.6	-289.7	-454.8	-259.8	7.02	7.00	1.81
8,867.0	19.57	332.37	8,840.0	-280.9	-459.7	-250.7	7.81	7.31	8.72
8,898.0	22.36	332.04	8,868.9	-271.1	-464.9	-240.6	9.01	9.00	-1.06
8,930.0	25.18	333.01	8,898.2	-259.7	-470.8	-228.8	8.90	8.81	3.03
8,961.0	28.27	333.04	8,925.9	-247.2	-477.1	-216.0	9.97	9.97	0.10
8,993.0	31.62	332.94	8,953.6	-233.0	-484.4	-201.3	10.47	10.47	-0.31
9,024.0	35.11	333.10	8,979.5	-217.8	-492.1	-185.6	11.26	11.26	0.52
9,055.0	37.86	336.01	9,004.4	-201.2	-500.0	-168.5	10.48	8.87	9.39
9,087.0	40.05	338.85	9,029.3	-182.6	-507.7	-149.5	8.83	6.84	8.88
9,090.1	40.40	338.85	9,031.7	-180.7	-508.5	-147.6	11.36	11.35	0.10
FTP @ 9090.1'MD / 9031.7									
9,118.0	43.57	338.88	9,052.4	-163.3	-515.2	-129.8	11.36	11.35	0.10
9,150.0	47.51	339.67	9,074.8	-142.0	-523.3	-107.9	12.44	12.31	2.47

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)
9,182.0	50.16	340.21	9,095.9	-119.3	-531.5	-84.8	8.38	8.28	1.69
9,213.0	52.66	340.64	9,115.2	-96.5	-539.6	-61.5	8.14	8.06	1.39
9,245.0	55.90	340.77	9,133.9	-72.0	-548.2	-36.5	10.13	10.13	0.41
9,277.0	59.88	340.39	9,150.9	-46.4	-557.2	-10.4	12.48	12.44	-1.19
9,308.0	63.51	340.33	9,165.6	-20.7	-566.4	15.8	11.71	11.71	-0.19
9,340.0	68.45	340.37	9,178.6	6.8	-576.2	43.9	15.44	15.44	0.13
9,372.0	72.81	340.72	9,189.2	35.3	-586.3	73.0	13.66	13.63	1.09
9,403.0	75.67	341.24	9,197.6	63.5	-596.0	101.7	9.37	9.23	1.68
9,435.0	79.23	341.39	9,204.6	93.0	-606.0	131.9	11.13	11.13	0.47
9,467.0	81.96	342.01	9,209.8	123.0	-615.9	162.5	8.74	8.53	1.94
9,498.0	84.05	342.81	9,213.6	152.3	-625.2	192.3	7.21	6.74	2.58
9,561.0	86.83	345.11	9,218.6	212.7	-642.6	253.7	5.72	4.41	3.65
9,601.0	86.94	344.71	9,220.8	251.2	-653.0	292.8	1.04	0.28	-1.00
9,696.0	85.88	344.85	9,226.7	342.7	-677.9	385.7	1.13	-1.12	0.15
9,790.0	89.66	347.23	9,230.4	433.9	-700.5	478.1	4.75	4.02	2.53
9,885.0	91.54	352.03	9,229.4	527.3	-717.6	572.4	5.43	1.98	5.05
9,980.0	91.29	353.74	9,227.0	621.5	-729.4	667.2	1.82	-0.26	1.80
10,075.0	91.46	353.61	9,224.8	715.9	-739.8	762.1	0.23	0.18	-0.14
10,170.0	90.08	357.59	9,223.5	810.6	-747.1	857.1	4.43	-1.45	4.19
10,264.0	90.36	358.49	9,223.1	904.5	-750.3	951.0	1.00	0.30	0.96
10,358.0	90.87	359.17	9,222.1	998.5	-752.2	1,044.9	0.90	0.54	0.72
10,453.0	90.14	359.38	9,221.3	1,093.5	-753.5	1,139.8	0.80	-0.77	0.22
10,548.0	89.94	2.22	9,221.2	1,188.5	-752.1	1,234.5	3.00	-0.21	2.99
10,642.0	91.65	4.45	9,219.9	1,282.3	-746.7	1,327.8	2.99	1.82	2.37
10,737.0	90.25	1.85	9,218.3	1,377.1	-741.4	1,422.1	3.11	-1.47	-2.74
10,831.0	90.36	0.39	9,217.8	1,471.1	-739.6	1,515.7	1.56	0.12	-1.55
10,926.0	90.87	1.64	9,216.8	1,566.1	-737.9	1,610.4	1.42	0.54	1.32
11,021.0	88.07	0.20	9,217.7	1,661.1	-736.4	1,705.1	3.31	-2.95	-1.52
11,116.0	87.98	359.77	9,221.0	1,756.0	-736.4	1,799.8	0.46	-0.09	-0.45
11,210.0	88.91	358.21	9,223.5	1,850.0	-738.1	1,893.7	1.93	0.99	-1.66
11,305.0	87.95	357.10	9,226.1	1,944.8	-742.0	1,988.6	1.54	-1.01	-1.17
11,399.0	89.19	357.97	9,228.5	2,038.7	-746.0	2,082.6	1.61	1.32	0.93
11,494.0	90.11	358.30	9,229.0	2,133.7	-749.1	2,177.5	1.03	0.97	0.35
11,588.0	89.92	359.68	9,229.0	2,227.7	-750.8	2,271.4	1.48	-0.20	1.47
11,682.0	89.50	359.14	9,229.5	2,321.6	-751.7	2,365.3	0.73	-0.45	-0.57
11,777.0	90.81	359.24	9,229.2	2,416.6	-753.1	2,460.1	1.38	1.38	0.11
11,879.0	91.04	359.50	9,227.6	2,518.6	-754.2	2,562.0	0.34	0.23	0.25
11,974.0	91.15	359.70	9,225.8	2,613.6	-754.8	2,656.8	0.24	0.12	0.21
12,069.0	88.40	0.74	9,226.1	2,708.6	-754.5	2,751.6	3.09	-2.89	1.09
12,163.0	90.34	1.14	9,227.2	2,802.6	-752.9	2,845.3	2.11	2.06	0.43
12,257.0	90.87	1.17	9,226.2	2,896.5	-751.0	2,938.9	0.56	0.56	0.03
12,337.0	90.78	0.29	9,225.0	2,976.5	-750.0	3,018.7	1.11	-0.11	-1.10
12,432.0	91.82	0.80	9,222.9	3,071.5	-749.1	3,113.4	1.22	1.09	0.54

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)	
12,527.0	89.41	359.46	9,221.9	3,166.5	-748.9	3,208.2	2.90	-2.54	-1.41	
12,622.0	89.16	359.23	9,223.0	3,261.5	-750.0	3,303.0	0.36	-0.26	-0.24	
12,718.0	89.16	359.39	9,224.5	3,357.4	-751.1	3,398.9	0.17	0.00	0.17	
12,813.0	89.10	359.86	9,225.9	3,452.4	-751.8	3,493.7	0.50	-0.06	0.49	
12,907.0	89.08	358.97	9,227.4	3,546.4	-752.7	3,587.6	0.95	-0.02	-0.95	
13,002.0	89.02	358.15	9,229.0	3,641.4	-755.1	3,682.5	0.87	-0.06	-0.86	
13,096.0	90.06	359.79	9,229.7	3,735.3	-756.8	3,776.4	2.07	1.11	1.74	
13,191.0	90.00	0.50	9,229.7	3,830.3	-756.6	3,871.1	0.75	-0.06	0.75	
13,286.0	90.20	0.39	9,229.5	3,925.3	-755.8	3,965.9	0.24	0.21	-0.12	
13,380.0	90.25	1.28	9,229.1	4,019.3	-754.5	4,059.6	0.95	0.05	0.95	
13,475.0	89.92	357.55	9,229.0	4,114.3	-755.4	4,154.4	3.94	-0.35	-3.93	
13,569.0	89.13	353.91	9,229.8	4,208.0	-762.4	4,248.4	3.96	-0.84	-3.87	
13,664.0	89.86	357.70	9,230.6	4,302.8	-769.4	4,343.4	4.06	0.77	3.99	
13,759.0	89.44	2.05	9,231.2	4,397.7	-769.6	4,438.2	4.60	-0.44	4.58	
13,854.0	88.99	1.45	9,232.5	4,492.7	-766.7	4,532.7	0.79	-0.47	-0.63	
13,948.0	89.52	2.46	9,233.7	4,586.6	-763.5	4,626.3	1.21	0.56	1.07	
14,043.0	89.05	3.96	9,234.9	4,681.4	-758.2	4,720.6	1.65	-0.49	1.58	
14,138.0	88.77	2.54	9,236.7	4,776.3	-752.8	4,814.9	1.52	-0.29	-1.49	
14,232.0	88.35	0.56	9,239.1	4,870.2	-750.2	4,908.4	2.15	-0.45	-2.11	
14,328.0	88.80	359.28	9,241.5	4,966.2	-750.4	5,004.2	1.41	0.47	-1.33	
14,423.0	89.44	356.05	9,242.9	5,061.1	-754.2	5,099.2	3.47	0.67	-3.40	
14,518.0	91.37	357.90	9,242.2	5,155.9	-759.2	5,194.1	2.81	2.03	1.95	
14,613.0	90.92	359.15	9,240.3	5,250.9	-761.7	5,289.1	1.40	-0.47	1.32	
14,708.0	90.98	1.12	9,238.8	5,345.9	-761.5	5,383.8	2.07	0.06	2.07	
14,803.0	89.75	0.71	9,238.2	5,440.8	-759.9	5,478.5	1.36	-1.29	-0.43	
14,898.0	89.58	0.04	9,238.7	5,535.8	-759.3	5,573.3	0.73	-0.18	-0.71	
14,992.0	89.47	0.51	9,239.5	5,629.8	-758.9	5,667.0	0.51	-0.12	0.50	
15,087.0	90.25	1.83	9,239.7	5,724.8	-756.9	5,761.7	1.61	0.82	1.39	
15,182.0	88.52	359.82	9,240.8	5,819.8	-755.6	5,856.4	2.79	-1.82	-2.12	
15,277.0	88.07	358.13	9,243.6	5,914.7	-757.3	5,951.2	1.84	-0.47	-1.78	
15,372.0	88.07	355.93	9,246.8	6,009.5	-762.2	6,046.2	2.31	0.00	-2.32	
15,467.0	88.07	353.28	9,250.0	6,104.1	-771.1	6,141.1	2.79	0.00	-2.79	
15,557.0	89.61	355.29	9,251.8	6,193.6	-780.1	6,231.0	2.81	1.71	2.23	
15,652.0	90.00	359.16	9,252.1	6,288.5	-784.7	6,326.0	4.09	0.41	4.07	
15,746.0	90.11	2.97	9,252.0	6,382.4	-782.9	6,419.6	4.05	0.12	4.05	
15,841.0	90.20	3.99	9,251.8	6,477.2	-777.2	6,513.9	1.08	0.09	1.07	
15,936.0	90.08	2.45	9,251.5	6,572.1	-771.8	6,608.2	1.63	-0.13	-1.62	
16,031.0	90.14	0.81	9,251.4	6,667.0	-769.1	6,702.8	1.73	0.06	-1.73	
16,126.0	90.11	356.43	9,251.2	6,762.0	-771.4	6,797.7	4.61	-0.03	-4.61	
16,220.0	89.16	359.04	9,251.8	6,855.9	-775.1	6,891.6	2.95	-1.01	2.78	
16,315.0	89.02	0.24	9,253.3	6,950.9	-775.7	6,986.4	1.27	-0.15	1.26	
16,409.0	89.24	359.00	9,254.7	7,044.9	-776.3	7,080.3	1.34	0.23	-1.32	
16,503.0	89.19	359.67	9,256.0	7,138.9	-777.4	7,174.1	0.71	-0.05	0.71	

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)
16,598.0	89.27	359.71	9,257.3	7,233.9	-777.9	7,269.0	0.09	0.08	0.04
16,692.0	89.22	359.59	9,258.5	7,327.8	-778.5	7,362.8	0.14	-0.05	-0.13
16,787.0	89.38	1.08	9,259.7	7,422.8	-778.0	7,457.5	1.58	0.17	1.57
16,882.0	89.22	1.22	9,260.8	7,517.8	-776.1	7,552.2	0.22	-0.17	0.15
16,977.0	89.10	0.20	9,262.2	7,612.8	-774.9	7,646.9	1.08	-0.13	-1.07
17,071.0	89.10	0.50	9,263.7	7,706.8	-774.3	7,740.7	0.32	0.00	0.32
17,167.0	89.10	2.59	9,265.2	7,802.7	-771.7	7,836.2	2.18	0.00	2.18
17,261.0	90.11	2.85	9,265.8	7,896.6	-767.3	7,929.6	1.11	1.07	0.28
17,355.0	90.20	0.76	9,265.6	7,990.6	-764.3	8,023.2	2.23	0.10	-2.22
17,450.0	89.94	359.17	9,265.5	8,085.6	-764.4	8,118.0	1.70	-0.27	-1.67
17,545.0	90.31	357.37	9,265.3	8,180.5	-767.2	8,213.0	1.93	0.39	-1.89
17,639.0	90.20	357.94	9,264.8	8,274.4	-771.1	8,306.9	0.62	-0.12	0.61
17,734.0	88.29	0.07	9,266.1	8,369.4	-772.7	8,401.8	3.01	-2.01	2.24
17,828.0	88.07	1.89	9,269.1	8,463.3	-771.1	8,495.4	1.95	-0.23	1.94
17,923.0	89.27	359.48	9,271.3	8,558.3	-770.0	8,590.1	2.83	1.26	-2.54
18,017.0	89.30	358.83	9,272.5	8,652.3	-771.4	8,684.0	0.69	0.03	-0.69
18,112.0	89.64	0.76	9,273.3	8,747.3	-771.7	8,778.8	2.06	0.36	2.03
18,206.0	88.10	358.62	9,275.2	8,841.2	-772.2	8,872.6	2.80	-1.64	-2.28
18,301.0	88.01	358.96	9,278.4	8,936.2	-774.2	8,967.5	0.37	-0.09	0.36
18,396.0	89.41	1.39	9,280.6	9,031.1	-773.9	9,062.2	2.95	1.47	2.56
18,490.0	89.33	4.46	9,281.6	9,125.0	-769.1	9,155.6	3.27	-0.09	3.27
18,585.0	88.18	3.84	9,283.7	9,219.7	-762.3	9,249.7	1.38	-1.21	-0.65
18,679.0	88.12	0.44	9,286.7	9,313.6	-758.7	9,343.1	3.62	-0.06	-3.62
18,774.0	88.15	358.32	9,289.8	9,408.5	-759.8	9,437.9	2.23	0.03	-2.23
18,868.0	88.74	358.68	9,292.3	9,502.5	-762.2	9,531.8	0.74	0.63	0.38
18,963.0	90.17	358.53	9,293.2	9,597.4	-764.5	9,626.7	1.51	1.51	-0.16
19,058.0	90.11	358.02	9,293.0	9,692.4	-767.4	9,721.7	0.54	-0.06	-0.54
19,153.0	90.20	358.16	9,292.7	9,787.3	-770.6	9,816.6	0.18	0.09	0.15
19,247.0	90.06	1.12	9,292.5	9,881.3	-771.2	9,910.5	3.15	-0.15	3.15
19,342.0	90.00	357.74	9,292.5	9,976.3	-772.1	10,005.3	3.56	-0.06	-3.56
19,436.0	90.36	3.43	9,292.2	10,070.3	-771.2	10,099.0	6.07	0.38	6.05
19,536.0	89.19	4.02	9,292.6	10,170.0	-764.7	10,198.2	1.31	-1.17	0.59
19,631.0	88.18	1.80	9,294.8	10,264.9	-759.8	10,292.5	2.57	-1.06	-2.34
19,726.0	87.67	1.01	9,298.2	10,359.8	-757.5	10,387.1	0.99	-0.54	-0.83
19,820.0	87.65	0.16	9,302.0	10,453.7	-756.5	10,480.7	0.90	-0.02	-0.90
19,915.0	89.64	358.50	9,304.3	10,548.7	-757.7	10,575.6	2.73	2.09	-1.75
20,010.0	89.92	357.74	9,304.7	10,643.6	-760.8	10,670.5	0.85	0.29	-0.80
20,105.0	89.83	356.34	9,304.9	10,738.5	-765.7	10,765.5	1.48	-0.09	-1.47
20,200.0	88.80	357.06	9,306.0	10,833.3	-771.1	10,860.5	1.32	-1.08	0.76
20,294.0	88.52	358.52	9,308.2	10,927.2	-774.8	10,954.4	1.58	-0.30	1.55
20,389.0	89.13	1.20	9,310.1	11,022.2	-775.0	11,049.2	2.89	0.64	2.82
20,484.0	90.78	3.15	9,310.2	11,117.1	-771.4	11,143.7	2.69	1.74	2.05
20,579.0	89.44	2.39	9,310.0	11,212.0	-766.8	11,238.1	1.62	-1.41	-0.80
20,673.0	89.38	1.51	9,311.0	11,305.9	-763.6	11,331.6	0.94	-0.06	-0.94

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM#706H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Site:	ATLAS	MD Reference:	RKB=3107.5+29 @ 3136.5usft (NORAM 21)
Well:	WAY SOUTH ST COM #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

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)
20,768.0	89.52	0.26	9,311.9	11,400.9	-762.1	11,426.3	1.32	0.15	-1.32
20,862.0	90.06	0.91	9,312.3	11,494.9	-761.2	11,520.1	0.90	0.57	0.69
20,957.0	90.62	1.23	9,311.7	11,589.9	-759.4	11,614.7	0.68	0.59	0.34
21,051.0	91.37	1.35	9,310.1	11,683.9	-757.3	11,708.4	0.81	0.80	0.13
21,145.0	91.88	1.41	9,307.4	11,777.8	-755.0	11,802.0	0.55	0.54	0.06
21,240.0	92.10	1.00	9,304.1	11,872.7	-753.0	11,896.6	0.49	0.23	-0.43
21,330.5	89.21	358.99	9,303.1	11,963.2	-753.0	11,986.9	3.89	-3.19	-2.22
LTP @ 21330.5'MD / 9303.1'TVD									
21,334.0	89.10	358.91	9,303.1	11,966.7	-753.1	11,990.3	3.89	-3.19	-2.22
21,421.0	88.18	355.32	9,305.2	12,053.5	-757.5	12,077.3	4.26	-1.06	-4.13
Final MWD Svy @ 21421'MD									
21,459.0	88.18	355.32	9,306.4	12,091.4	-760.6	12,115.3	0.00	0.00	0.00
PTB @ 21459'MD/9306.4'TVD									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
FTP-Way South St Cc	0.00	0.00	9,223.0	-180.9	-742.7	364,063.30	563,771.40	32° 0' 2.724 N	104° 7' 39.411 W
- actual wellpath misses target center by 239.5usft at 9260.1usft MD (9142.2 TVD, -60.0 N, -552.4 E)									
- Circle (radius 50.0)									
LTP-Way South St Co	0.00	0.00	9,309.0	11,962.8	-780.7	376,207.00	563,733.40	32° 2' 2.907 N	104° 7' 39.584 W
- actual wellpath misses target center by 28.3usft at 21330.0usft MD (9303.1 TVD, 11962.7 N, -753.0 E)									
- Point									
PBHL-Way South St C	-0.43	179.82	9,310.0	12,092.8	-781.1	376,337.00	563,733.00	32° 2' 4.193 N	104° 7' 39.585 W
- actual wellpath misses target center by 20.9usft at 21459.0usft MD (9306.4 TVD, 12091.4 N, -760.6 E)									
- Point									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
8,588.0	8,565.8	-311.7	-434.5	First MWD Svy @ 8588'MD
9,090.1	9,031.7	-180.7	-508.5	FTP @ 9090.1'MD / 9031.7
21,330.5	9,303.1	11,963.2	-753.0	LTP @ 21330.5'MD / 9303.1'TVD
21,421.0	9,305.2	12,053.5	-757.5	Final MWD Svy @ 21421'MD
21,459.0	9,306.4	12,091.4	-760.6	PTB @ 21459'MD/9306.4'TVD

Checked By: _____ Approved By: _____ Date: _____

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	REC'D: 4/28/2020 Form C-105 Revised April 3, 2017 1. WELL API NO. 30-015-45546 2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN 3. State Oil & Gas Lease No.														
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)		5. Lease Name or Unit Agreement Name Way South State Com 6. Well Number: 706H														
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____																
8. Name of Operator COG Operating LLC		9. OGRID 229137														
10. Address of Operator 2208 W. Main Street Artesia, NM 88210		11. Pool name or Wildcat Purple Sage; Wolfcamp (Gas)														
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County						
Surface:	4	31	26S	28E		510	South	2310	East	Eddy						
BH:	B	19	26S	28E		201	North	2127	East	Eddy						
13. Date Spudded 6/19/19	14. Date T.D. Reached 9/22/19		15. Date Rig Released 9/26/19		16. Date Completed (Ready to Produce) 3/9/20			17. Elevations (DF and RKB, RT, GR, etc.) 3081' GR								
18. Total Measured Depth of Well 21,592'			19. Plug Back Measured Depth 21,505'		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run None								
22. Producing Interval(s), of this completion - Top, Bottom, Name 9,411-21,480' Wolfcamp																
23. CASING RECORD (Report all strings set in well)																
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED						
20"		94#		500'		26"		1130 sx								
13 3/8"		61 #		2390'		17 1/2"		1625 sx								
9 5/8"		40#		8558'		12 1/4"		1620 sx								
5 1/2"		23#		21449'		8 1/2"		4780 sx								
24. LINER RECORD						25. TUBING RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET								
						2 7/8"	8537'	8527'								
26. Perforation record (interval, size, and number) 9,403 – 21,355' (1464)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">DEPTH INTERVAL</td> <td style="width:50%;">AMOUNT AND KIND MATERIAL USED</td> </tr> <tr> <td>9,403-21,355'</td> <td>Acidz w/0 gal 7 1/2%; Frac with 24,470,700# sand & 23,851,758 gal fluid</td> </tr> <tr> <td> </td> <td> </td> </tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	9,403-21,355'	Acidz w/0 gal 7 1/2%; Frac with 24,470,700# sand & 23,851,758 gal fluid		
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED															
9,403-21,355'	Acidz w/0 gal 7 1/2%; Frac with 24,470,700# sand & 23,851,758 gal fluid															
28. PRODUCTION																
Date First Production 4/8/20		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing					Well Status (Prod. or Shut-in) Producing									
Date of Test 4/8/20	Hours Tested 24	Choke Size 21/128"	Prod'n For Test Period 24 Hrs	Oil - Bbl 81	Gas - MCF 439	Water - Bbl. 1547	Gas - Oil Ratio									
Flow Tubing Press. 1527#	Casing Pressure 1147#	Calculated 24-Hour Rate	Oil - Bbl. 81	Gas - MCF 439	Water - Bbl. 1577	Oil Gravity - API - (Corr.)										
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By Charlie Hoff									
31. List Attachments Surveys																
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date: 7/20/19									
34. If an on-site burial was used at the well, report the exact location of the on-site burial:																
Latitude			Longitude			NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief																
Signature <i>Amanda Avery</i>			Name: Amanda Avery			Title Regulatory Analyst			Date 4/27/20							
E-mail Address: aavery@concho.com																

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Rslr	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 621'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 2121'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. A VNM 6333'	T. Point Lookout	T. Elbert
T. San Andres	T. A VNL 6619'	T. Mancos	T. McCracken
T. Glorieta	T. Lamar 2315'	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Bell Canyon 2357'	Base Greenhorn	T. Granite
T. Blinebry	T. Cherry Canyon 3204'	T. Dakota	
T. Tubb	T. Brushy Canyon 4465'	T. Morrison	
T. Drinkard	T. Bone Spring GL 6013'	T. Todilto	
T. Abo	T. 1 st Bone Spring 6920'	T. Entrada	
T. Wolfcamp 9048'	T. 2 nd Bone Spring- Sand	T. Wingate	
T. Penn	T. 2nd Bone Spring 7526'	T. Chinle	
T. Cisco (Bough C)	T. 3 rd Bone Spring 8649'	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology