

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

Energy, Minerals & Natural Resources Department

DISTRICT II
511 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

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) 478-3460 Fax: (505) 478-3462

☒ AMENDED REPORT

As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45545	Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 308269	Property Name WAY SOUTH STATE COM	Well Number 705H
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	2310	EAST	EDDY

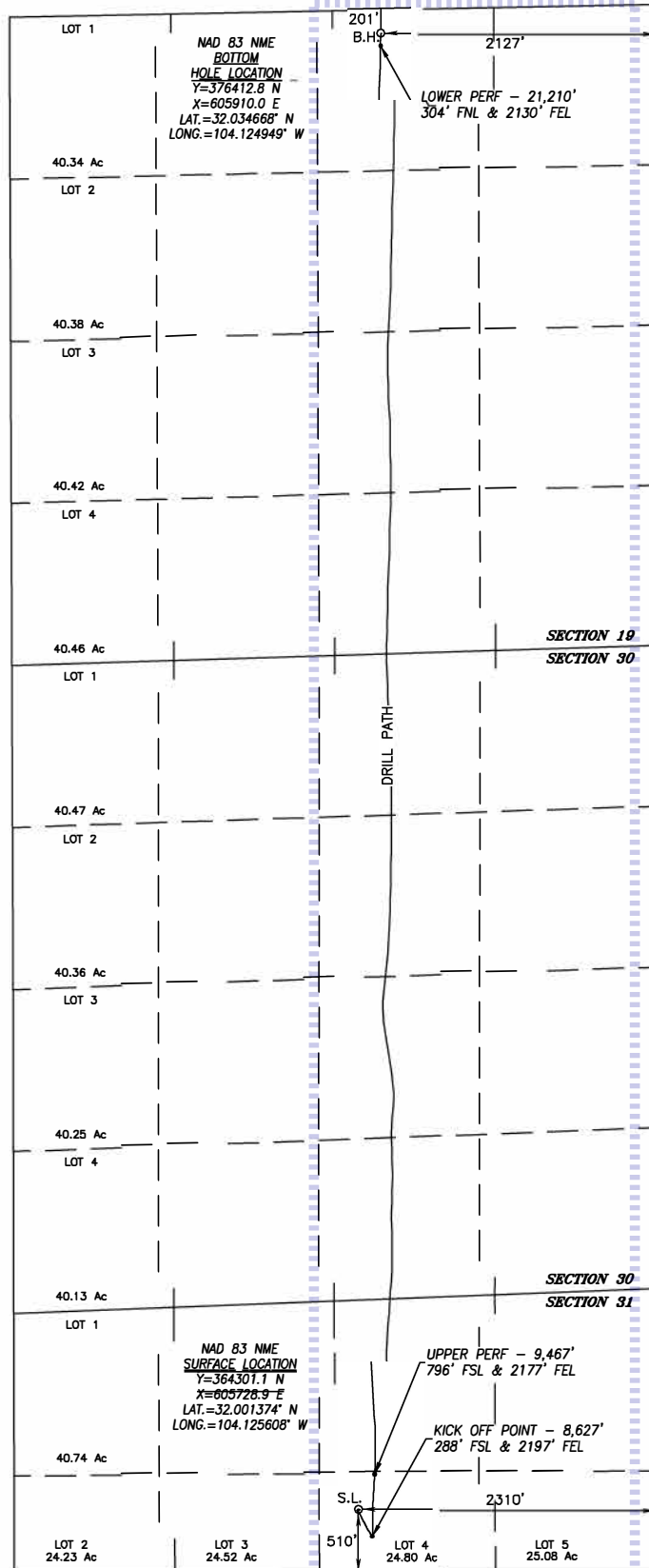
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	19	26-S	28-E		201	NORTH	2127	EAST	EDDY
Dedicated Acres 767.59	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 705H
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 #705H SUPPLIED TO HARCROW SURVEYING, LLC ON MARCH 11, 2020

1500 0 1500
SCALE: 1"=1500'

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

Signature

Date

Amanda Avery
Printed Name

Printed Name

aavery@concho.com
E-mail Address

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/JUNE 24, 2019
Date of Survey/Date of Geographic Survey

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Hargrow 3/12/20
Certificate No. CHAD HARGROW 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 #705H

OWB

Design: AWP

Standard Survey Report

24 June, 2019

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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 #705H, ACTIVE		
Well Position	+N/-S	0.0 usft	Northing: 364,244.20 usft
	+E/-W	0.0 usft	Easting: 564,544.10 usft
Position Uncertainty	3.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 0' 4.500 N
		Longitude:	104° 7' 30.433 W
		Ground Level:	3,107.5 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	5/15/2019	6.99
			Dip Angle (°)
			59.75
			Field Strength (nT)
			47,553.66195792

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 (°)
			0.62

Survey Program	Date	6/24/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	8,375.0	KEEPER GYROS (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
8,395.0	21,313.0	MWD-CURVE/LATERAL (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	0.56	216.11	100.0	-0.4	-0.3	-0.4	0.56	0.56	0.00
125.0	0.60	221.81	125.0	-0.6	-0.4	-0.6	0.28	0.16	22.80
150.0	0.64	222.00	150.0	-0.8	-0.6	-0.8	0.16	0.16	0.76
175.0	0.60	221.33	175.0	-1.0	-0.8	-1.0	0.16	-0.16	-2.68
200.0	0.70	217.89	200.0	-1.2	-1.0	-1.2	0.43	0.40	-13.76
225.0	0.88	223.27	225.0	-1.5	-1.2	-1.5	0.78	0.72	21.52
250.0	0.84	221.16	250.0	-1.8	-1.5	-1.8	0.20	-0.16	-8.44
275.0	0.84	221.63	275.0	-2.0	-1.7	-2.0	0.03	0.00	1.88
300.0	0.93	224.59	300.0	-2.3	-2.0	-2.3	0.40	0.36	11.84

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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	0.98	224.11	325.0	-2.6	-2.3	-2.6	0.20	0.20	-1.92
350.0	0.98	227.24	350.0	-2.9	-2.6	-2.9	0.21	0.00	12.52
375.0	1.02	230.01	375.0	-3.2	-2.9	-3.2	0.25	0.16	11.08
400.0	1.06	234.09	400.0	-3.5	-3.3	-3.5	0.34	0.16	16.32
425.0	1.22	232.39	425.0	-3.8	-3.7	-3.8	0.65	0.64	-6.80
450.0	1.23	230.03	450.0	-4.1	-4.1	-4.1	0.21	0.04	-9.44
475.0	1.34	232.37	474.9	-4.5	-4.5	-4.5	0.49	0.44	9.36
500.0	1.38	232.53	499.9	-4.8	-5.0	-4.9	0.16	0.16	0.64
525.0	1.54	233.19	524.9	-5.2	-5.5	-5.3	0.64	0.64	2.64
550.0	1.44	234.23	549.9	-5.6	-6.0	-5.7	0.41	-0.40	4.16
575.0	1.52	233.33	574.9	-6.0	-6.5	-6.0	0.33	0.32	-3.60
600.0	1.50	232.85	599.9	-6.4	-7.1	-6.4	0.09	-0.08	-1.92
625.0	1.49	234.07	624.9	-6.8	-7.6	-6.8	0.13	-0.04	4.88
650.0	1.43	233.25	649.9	-7.1	-8.1	-7.2	0.25	-0.24	-3.28
675.0	1.54	232.14	674.9	-7.5	-8.6	-7.6	0.45	0.44	-4.44
700.0	1.35	201.57	699.9	-8.0	-9.0	-8.1	3.13	-0.76	-122.28
725.0	1.59	182.65	724.9	-8.6	-9.1	-8.7	2.15	0.96	-75.68
750.0	1.72	175.53	749.9	-9.3	-9.1	-9.4	0.97	0.52	-28.48
775.0	1.79	164.55	774.8	-10.1	-9.0	-10.2	1.37	0.28	-43.92
800.0	2.05	140.67	799.8	-10.8	-8.6	-10.9	3.34	1.04	-95.52
825.0	2.24	132.02	824.8	-11.5	-7.9	-11.6	1.50	0.76	-34.60
850.0	2.32	126.62	849.8	-12.1	-7.2	-12.2	0.92	0.32	-21.60
875.0	2.41	121.19	874.8	-12.7	-6.3	-12.8	0.97	0.36	-21.72
900.0	2.47	117.29	899.8	-13.2	-5.4	-13.3	0.71	0.24	-15.60
925.0	2.71	95.60	924.7	-13.5	-4.3	-13.6	4.01	0.96	-86.76
950.0	2.93	85.18	949.7	-13.5	-3.1	-13.6	2.23	0.88	-41.68
975.0	3.13	80.11	974.7	-13.3	-1.8	-13.4	1.34	0.80	-20.28
1,000.0	3.20	79.80	999.6	-13.1	-0.4	-13.1	0.29	0.28	-1.24
1,025.0	3.08	79.30	1,024.6	-12.9	0.9	-12.8	0.49	-0.48	-2.00
1,050.0	3.07	81.43	1,049.5	-12.6	2.3	-12.6	0.46	-0.04	8.52
1,075.0	2.34	69.73	1,074.5	-12.4	3.4	-12.3	3.65	-2.92	-46.80
1,100.0	1.72	56.63	1,099.5	-12.0	4.2	-11.9	3.08	-2.48	-52.40
1,125.0	1.56	47.16	1,124.5	-11.5	4.8	-11.5	1.26	-0.64	-37.88
1,150.0	1.58	45.25	1,149.5	-11.1	5.2	-11.0	0.22	0.08	-7.64
1,175.0	1.54	47.72	1,174.5	-10.6	5.7	-10.5	0.31	-0.16	9.88
1,200.0	1.56	45.51	1,199.5	-10.1	6.2	-10.1	0.25	0.08	-8.84
1,225.0	1.67	47.41	1,224.5	-9.6	6.7	-9.6	0.49	0.44	7.60
1,250.0	1.58	46.88	1,249.4	-9.2	7.3	-9.1	0.36	-0.36	-2.12
1,275.0	1.52	45.19	1,274.4	-8.7	7.7	-8.6	0.30	-0.24	-6.76
1,300.0	1.62	45.28	1,299.4	-8.2	8.2	-8.1	0.40	0.40	0.36
1,325.0	1.32	44.02	1,324.4	-7.8	8.7	-7.7	1.21	-1.20	-5.04
1,350.0	0.59	21.23	1,349.4	-7.4	8.9	-7.3	3.24	-2.92	-91.16
1,375.0	0.38	345.73	1,374.4	-7.2	9.0	-7.1	1.43	-0.84	-142.00

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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	0.58	293.00	1,399.4	-7.1	8.8	-7.0	1.85	0.80	-210.92
1,425.0	0.66	288.98	1,424.4	-7.0	8.6	-6.9	0.36	0.32	-16.08
1,450.0	0.60	291.64	1,449.4	-6.9	8.3	-6.8	0.27	-0.24	10.64
1,475.0	0.68	288.48	1,474.4	-6.8	8.0	-6.7	0.35	0.32	-12.64
1,500.0	0.58	293.75	1,499.4	-6.7	7.8	-6.6	0.46	-0.40	21.08
1,525.0	0.68	290.13	1,524.4	-6.6	7.5	-6.5	0.43	0.40	-14.48
1,550.0	0.64	293.49	1,549.4	-6.5	7.3	-6.4	0.22	-0.16	13.44
1,575.0	0.63	288.55	1,574.4	-6.4	7.0	-6.3	0.22	-0.04	-19.76
1,600.0	0.70	289.34	1,599.4	-6.3	6.7	-6.2	0.28	0.28	3.16
1,625.0	0.69	288.51	1,624.4	-6.2	6.5	-6.1	0.06	-0.04	-3.32
1,650.0	0.49	296.62	1,649.4	-6.1	6.2	-6.0	0.86	-0.80	32.44
1,675.0	0.43	304.49	1,674.4	-6.0	6.0	-6.0	0.35	-0.24	31.48
1,700.0	0.32	316.76	1,699.4	-5.9	5.9	-5.8	0.54	-0.44	49.08
1,725.0	0.20	15.85	1,724.4	-5.8	5.9	-5.8	1.11	-0.48	236.36
1,750.0	0.37	66.95	1,749.4	-5.7	6.0	-5.7	1.16	0.68	204.40
1,775.0	0.63	85.82	1,774.4	-5.7	6.2	-5.6	1.22	1.04	75.48
1,800.0	0.69	86.48	1,799.4	-5.7	6.5	-5.6	0.24	0.24	2.64
1,825.0	0.84	85.54	1,824.4	-5.7	6.8	-5.6	0.60	0.60	-3.76
1,850.0	0.95	85.31	1,849.4	-5.6	7.2	-5.6	0.44	0.44	-0.92
1,875.0	1.02	87.21	1,874.4	-5.6	7.6	-5.5	0.31	0.28	7.60
1,900.0	1.12	86.84	1,899.4	-5.6	8.1	-5.5	0.40	0.40	-1.48
1,925.0	1.00	87.38	1,924.4	-5.6	8.5	-5.5	0.48	-0.48	2.16
1,950.0	1.07	87.04	1,949.4	-5.5	9.0	-5.4	0.28	0.28	-1.36
1,975.0	1.09	87.50	1,974.4	-5.5	9.5	-5.4	0.09	0.08	1.84
2,000.0	1.22	87.31	1,999.4	-5.5	10.0	-5.4	0.52	0.52	-0.76
2,025.0	1.24	94.69	2,024.4	-5.5	10.5	-5.4	0.64	0.08	29.52
2,050.0	1.37	98.13	2,049.4	-5.6	11.1	-5.4	0.61	0.52	13.76
2,075.0	1.40	93.84	2,074.3	-5.6	11.7	-5.5	0.43	0.12	-17.16
2,100.0	1.45	97.95	2,099.3	-5.7	12.3	-5.6	0.45	0.20	16.44
2,125.0	1.39	98.10	2,124.3	-5.8	12.9	-5.6	0.24	-0.24	0.60
2,150.0	1.38	97.45	2,149.3	-5.9	13.5	-5.7	0.07	-0.04	-2.60
2,175.0	0.52	95.63	2,174.3	-5.9	13.9	-5.8	3.44	-3.44	-7.28
2,200.0	1.16	279.17	2,199.3	-5.9	13.8	-5.7	6.72	2.56	-705.84
2,225.0	1.84	282.25	2,224.3	-5.8	13.1	-5.6	2.74	2.72	12.32
2,250.0	1.99	280.65	2,249.3	-5.6	12.3	-5.5	0.64	0.60	-6.40
2,275.0	2.03	280.15	2,274.3	-5.4	11.5	-5.3	0.17	0.16	-2.00
2,300.0	2.00	280.49	2,299.3	-5.3	10.6	-5.2	0.13	-0.12	1.36
2,325.0	1.98	280.35	2,324.2	-5.1	9.7	-5.0	0.08	-0.08	-0.56
2,350.0	1.82	281.97	2,349.2	-5.0	8.9	-4.9	0.68	-0.64	6.48
2,375.0	1.24	275.63	2,374.2	-4.8	8.3	-4.8	2.41	-2.32	-25.36
2,400.0	0.99	270.99	2,399.2	-4.8	7.8	-4.7	1.06	-1.00	-18.56
2,425.0	0.81	273.06	2,424.2	-4.8	7.4	-4.7	0.73	-0.72	8.28
2,450.0	0.83	270.21	2,449.2	-4.8	7.0	-4.7	0.18	0.08	-11.40

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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	0.72	270.36	2,474.2	-4.8	6.7	-4.7	0.44	-0.44	0.60
2,500.0	0.73	271.02	2,499.2	-4.8	6.4	-4.7	0.05	0.04	2.64
2,525.0	0.70	272.88	2,524.2	-4.8	6.1	-4.7	0.15	-0.12	7.44
2,550.0	0.72	275.08	2,549.2	-4.8	5.8	-4.7	0.14	0.08	8.80
2,575.0	0.82	273.87	2,574.2	-4.7	5.4	-4.7	0.41	0.40	-4.84
2,600.0	0.71	275.33	2,599.2	-4.7	5.1	-4.6	0.45	-0.44	5.84
2,625.0	0.71	271.52	2,624.2	-4.7	4.8	-4.6	0.19	0.00	-15.24
2,650.0	0.66	272.67	2,649.2	-4.7	4.5	-4.6	0.21	-0.20	4.60
2,675.0	0.62	269.38	2,674.2	-4.7	4.2	-4.6	0.22	-0.16	-13.16
2,700.0	0.61	262.50	2,699.2	-4.7	3.9	-4.6	0.30	-0.04	-27.52
2,725.0	0.55	265.40	2,724.2	-4.7	3.7	-4.7	0.27	-0.24	11.60
2,750.0	0.54	269.69	2,749.2	-4.7	3.4	-4.7	0.17	-0.04	17.16
2,775.0	0.50	267.11	2,774.2	-4.7	3.2	-4.7	0.19	-0.16	-10.32
2,800.0	0.61	265.41	2,799.2	-4.7	3.0	-4.7	0.44	0.44	-6.80
2,825.0	0.61	266.42	2,824.2	-4.8	2.7	-4.7	0.04	0.00	4.04
2,850.0	0.60	265.38	2,849.2	-4.8	2.4	-4.8	0.06	-0.04	-4.16
2,875.0	0.63	268.95	2,874.2	-4.8	2.2	-4.8	0.19	0.12	14.28
2,900.0	0.63	264.18	2,899.2	-4.8	1.9	-4.8	0.21	0.00	-19.08
2,925.0	0.58	261.35	2,924.2	-4.8	1.6	-4.8	0.23	-0.20	-11.32
2,950.0	0.66	257.13	2,949.2	-4.9	1.4	-4.9	0.37	0.32	-16.88
2,975.0	0.56	258.01	2,974.2	-5.0	1.1	-4.9	0.40	-0.40	3.52
3,000.0	0.50	264.84	2,999.2	-5.0	0.9	-5.0	0.35	-0.24	27.32
3,025.0	0.62	259.75	3,024.2	-5.0	0.6	-5.0	0.52	0.48	-20.36
3,050.0	0.62	259.97	3,049.2	-5.1	0.4	-5.1	0.01	0.00	0.88
3,075.0	0.53	255.39	3,074.2	-5.1	0.1	-5.1	0.40	-0.36	-18.32
3,100.0	0.54	256.63	3,099.2	-5.2	-0.1	-5.2	0.06	0.04	4.96
3,125.0	0.51	254.55	3,124.2	-5.2	-0.3	-5.2	0.14	-0.12	-8.32
3,150.0	0.56	255.45	3,149.2	-5.3	-0.5	-5.3	0.20	0.20	3.60
3,175.0	0.62	254.13	3,174.2	-5.4	-0.8	-5.4	0.25	0.24	-5.28
3,200.0	0.66	255.15	3,199.2	-5.4	-1.1	-5.4	0.17	0.16	4.08
3,225.0	0.75	253.57	3,224.2	-5.5	-1.4	-5.5	0.37	0.36	-6.32
3,250.0	0.70	252.13	3,249.2	-5.6	-1.7	-5.6	0.21	-0.20	-5.76
3,275.0	0.76	253.31	3,274.2	-5.7	-2.0	-5.7	0.25	0.24	4.72
3,300.0	0.76	251.69	3,299.2	-5.8	-2.3	-5.8	0.09	0.00	-6.48
3,325.0	0.79	254.42	3,324.2	-5.9	-2.6	-5.9	0.19	0.12	10.92
3,350.0	0.68	252.23	3,349.2	-6.0	-2.9	-6.0	0.45	-0.44	-8.76
3,375.0	0.77	258.61	3,374.2	-6.1	-3.2	-6.1	0.48	0.36	25.52
3,400.0	0.91	256.09	3,399.2	-6.2	-3.6	-6.2	0.58	0.56	-10.08
3,425.0	0.87	256.71	3,424.2	-6.2	-3.9	-6.3	0.16	-0.16	2.48
3,450.0	0.94	257.38	3,449.1	-6.3	-4.3	-6.4	0.28	0.28	2.68
3,475.0	0.90	260.06	3,474.1	-6.4	-4.7	-6.5	0.23	-0.16	10.72
3,500.0	0.83	260.39	3,499.1	-6.5	-5.1	-6.5	0.28	-0.28	1.32
3,525.0	0.89	260.85	3,524.1	-6.5	-5.5	-6.6	0.24	0.24	1.84
3,550.0	0.89	260.73	3,549.1	-6.6	-5.9	-6.7	0.01	0.00	-0.48

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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	0.90	261.83	3,574.1	-6.7	-6.2	-6.7	0.08	0.04	4.40
3,600.0	0.93	259.83	3,599.1	-6.7	-6.6	-6.8	0.18	0.12	-8.00
3,625.0	1.03	262.07	3,624.1	-6.8	-7.1	-6.9	0.43	0.40	8.96
3,650.0	1.03	264.01	3,649.1	-6.8	-7.5	-6.9	0.14	0.00	7.76
3,675.0	1.01	264.12	3,674.1	-6.9	-7.9	-7.0	0.08	-0.08	0.44
3,700.0	1.01	262.60	3,699.1	-6.9	-8.4	-7.0	0.11	0.00	-6.08
3,725.0	0.98	265.52	3,724.1	-7.0	-8.8	-7.1	0.24	-0.12	11.68
3,750.0	1.03	264.23	3,749.1	-7.0	-9.3	-7.1	0.22	0.20	-5.16
3,775.0	1.00	263.59	3,774.1	-7.1	-9.7	-7.2	0.13	-0.12	-2.56
3,800.0	0.68	267.68	3,799.1	-7.1	-10.1	-7.2	1.30	-1.28	16.36
3,825.0	0.47	274.55	3,824.1	-7.1	-10.3	-7.2	0.88	-0.84	27.48
3,850.0	0.49	275.12	3,849.1	-7.1	-10.5	-7.2	0.08	0.08	2.28
3,875.0	0.41	286.73	3,874.1	-7.1	-10.7	-7.2	0.48	-0.32	46.44
3,900.0	0.52	281.89	3,899.1	-7.0	-10.9	-7.1	0.47	0.44	-19.36
3,925.0	0.40	280.30	3,924.1	-7.0	-11.1	-7.1	0.48	-0.48	-6.36
3,950.0	0.45	274.46	3,949.1	-6.9	-11.3	-7.1	0.26	0.20	-23.36
3,975.0	0.40	282.24	3,974.1	-6.9	-11.5	-7.0	0.30	-0.20	31.12
4,000.0	0.53	273.46	3,999.1	-6.9	-11.7	-7.0	0.59	0.52	-35.12
4,025.0	0.46	274.60	4,024.1	-6.9	-11.9	-7.0	0.28	-0.28	4.56
4,050.0	0.46	274.21	4,049.1	-6.9	-12.1	-7.0	0.01	0.00	-1.56
4,075.0	0.49	276.07	4,074.1	-6.8	-12.3	-7.0	0.13	0.12	7.44
4,100.0	0.32	280.94	4,099.1	-6.8	-12.5	-6.9	0.69	-0.68	19.48
4,125.0	0.43	273.79	4,124.1	-6.8	-12.6	-6.9	0.48	0.44	-28.60
4,150.0	0.41	284.40	4,149.1	-6.8	-12.8	-6.9	0.32	-0.08	42.44
4,175.0	0.11	260.48	4,174.1	-6.7	-12.9	-6.9	1.25	-1.20	-95.68
4,200.0	0.25	90.73	4,199.1	-6.8	-12.9	-6.9	1.44	0.56	-679.00
4,225.0	0.38	96.14	4,224.1	-6.8	-12.7	-6.9	0.53	0.52	21.64
4,250.0	0.54	92.70	4,249.1	-6.8	-12.5	-6.9	0.65	0.64	-13.76
4,275.0	0.56	91.00	4,274.1	-6.8	-12.3	-6.9	0.10	0.08	-6.80
4,300.0	0.59	90.53	4,299.1	-6.8	-12.1	-6.9	0.12	0.12	-1.88
4,325.0	0.54	92.19	4,324.1	-6.8	-11.8	-6.9	0.21	-0.20	6.64
4,350.0	0.56	96.53	4,349.1	-6.8	-11.6	-6.9	0.18	0.08	17.36
4,375.0	0.57	96.64	4,374.1	-6.8	-11.3	-7.0	0.04	0.04	0.44
4,400.0	0.53	105.47	4,399.1	-6.9	-11.1	-7.0	0.37	-0.16	35.32
4,425.0	0.56	103.36	4,424.1	-6.9	-10.9	-7.1	0.14	0.12	-8.44
4,450.0	0.52	116.55	4,449.1	-7.0	-10.6	-7.1	0.52	-0.16	52.76
4,475.0	0.60	117.71	4,474.1	-7.1	-10.4	-7.2	0.32	0.32	4.64
4,500.0	0.51	129.36	4,499.1	-7.3	-10.2	-7.4	0.58	-0.36	46.60
4,525.0	0.57	130.63	4,524.1	-7.4	-10.0	-7.5	0.24	0.24	5.08
4,550.0	0.61	138.94	4,549.1	-7.6	-9.9	-7.7	0.38	0.16	33.24
4,575.0	0.55	151.22	4,574.1	-7.8	-9.7	-7.9	0.55	-0.24	49.12
4,600.0	0.56	153.95	4,599.1	-8.0	-9.6	-8.1	0.11	0.04	10.92
4,625.0	0.57	165.94	4,624.1	-8.3	-9.5	-8.4	0.47	0.04	47.96

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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	0.57	171.92	4,649.1	-8.5	-9.5	-8.6	0.24	0.00	23.92
4,675.0	0.64	169.85	4,674.1	-8.8	-9.4	-8.9	0.29	0.28	-8.28
4,700.0	0.69	170.90	4,699.1	-9.0	-9.4	-9.1	0.21	0.20	4.20
4,725.0	0.69	172.85	4,724.1	-9.3	-9.3	-9.4	0.09	0.00	7.80
4,750.0	0.75	166.46	4,749.1	-9.6	-9.3	-9.7	0.40	0.24	-25.56
4,775.0	0.77	175.94	4,774.1	-10.0	-9.2	-10.1	0.51	0.08	37.92
4,800.0	0.83	178.86	4,799.1	-10.3	-9.2	-10.4	0.29	0.24	11.68
4,825.0	0.82	177.11	4,824.1	-10.7	-9.2	-10.8	0.11	-0.04	-7.00
4,850.0	0.83	177.19	4,849.1	-11.0	-9.2	-11.1	0.04	0.04	0.32
4,875.0	0.83	179.68	4,874.0	-11.4	-9.2	-11.5	0.14	0.00	9.96
4,900.0	0.75	168.44	4,899.0	-11.7	-9.1	-11.8	0.70	-0.32	-44.96
4,925.0	0.91	176.27	4,924.0	-12.1	-9.1	-12.2	0.78	0.64	31.32
4,950.0	0.98	172.05	4,949.0	-12.5	-9.1	-12.6	0.39	0.28	-16.88
4,975.0	1.38	162.32	4,974.0	-13.0	-8.9	-13.1	1.78	1.60	-38.92
5,000.0	1.64	152.93	4,999.0	-13.6	-8.7	-13.7	1.43	1.04	-37.56
5,025.0	2.57	144.75	5,024.0	-14.4	-8.2	-14.5	3.90	3.72	-32.72
5,050.0	3.01	143.78	5,049.0	-15.4	-7.5	-15.5	1.77	1.76	-3.88
5,075.0	3.51	142.20	5,073.9	-16.5	-6.6	-16.6	2.03	2.00	-6.32
5,100.0	3.83	140.60	5,098.9	-17.8	-5.6	-17.8	1.34	1.28	-6.40
5,125.0	4.71	139.33	5,123.8	-19.2	-4.4	-19.2	3.54	3.52	-5.08
5,150.0	5.25	138.76	5,148.7	-20.8	-3.0	-20.9	2.17	2.16	-2.28
5,175.0	5.29	138.16	5,173.6	-22.5	-1.5	-22.6	0.27	0.16	-2.40
5,200.0	5.36	137.71	5,198.5	-24.3	0.1	-24.3	0.33	0.28	-1.80
5,225.0	5.35	138.86	5,223.4	-26.0	1.6	-26.0	0.43	-0.04	4.60
5,250.0	5.39	138.61	5,248.3	-27.8	3.2	-27.7	0.19	0.16	-1.00
5,275.0	5.39	138.68	5,273.2	-29.5	4.7	-29.5	0.03	0.00	0.28
5,300.0	5.18	140.20	5,298.1	-31.3	6.2	-31.2	1.01	-0.84	6.08
5,325.0	4.81	145.42	5,323.0	-33.0	7.5	-32.9	2.34	-1.48	20.88
5,350.0	4.61	147.60	5,347.9	-34.7	8.7	-34.6	1.07	-0.80	8.72
5,375.0	4.67	148.39	5,372.8	-36.4	9.7	-36.3	0.35	0.24	3.16
5,400.0	4.65	149.67	5,397.7	-38.2	10.8	-38.1	0.42	-0.08	5.12
5,425.0	4.61	149.81	5,422.6	-39.9	11.8	-39.8	0.17	-0.16	0.56
5,450.0	4.44	150.36	5,447.6	-41.6	12.8	-41.5	0.70	-0.68	2.20
5,475.0	4.50	149.97	5,472.5	-43.3	13.8	-43.2	0.27	0.24	-1.56
5,500.0	4.55	151.10	5,497.4	-45.0	14.7	-44.9	0.41	0.20	4.52
5,525.0	4.46	150.32	5,522.3	-46.8	15.7	-46.6	0.44	-0.36	-3.12
5,550.0	4.43	150.11	5,547.3	-48.4	16.6	-48.3	0.14	-0.12	-0.84
5,575.0	4.36	151.99	5,572.2	-50.1	17.6	-49.9	0.64	-0.28	7.52
5,600.0	4.30	152.51	5,597.1	-51.8	18.5	-51.6	0.29	-0.24	2.08
5,625.0	4.32	153.13	5,622.0	-53.5	19.3	-53.2	0.20	0.08	2.48
5,650.0	4.32	153.95	5,647.0	-55.1	20.2	-54.9	0.25	0.00	3.28
5,675.0	4.19	155.37	5,671.9	-56.8	20.9	-56.6	0.67	-0.52	5.68
5,700.0	4.16	155.86	5,696.8	-58.5	21.7	-58.2	0.19	-0.12	1.96

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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	4.11	155.01	5,721.8	-60.1	22.4	-59.9	0.32	-0.20	-3.40
5,750.0	4.18	155.94	5,746.7	-61.8	23.2	-61.5	0.39	0.28	3.72
5,775.0	4.18	155.56	5,771.6	-63.4	23.9	-63.2	0.11	0.00	-1.52
5,800.0	4.16	157.71	5,796.6	-65.1	24.7	-64.8	0.63	-0.08	8.60
5,825.0	4.13	155.33	5,821.5	-66.7	25.4	-66.5	0.70	-0.12	-9.52
5,850.0	4.15	156.76	5,846.4	-68.4	26.1	-68.1	0.42	0.08	5.72
5,875.0	4.14	154.77	5,871.4	-70.0	26.9	-69.7	0.58	-0.04	-7.96
5,900.0	4.11	152.66	5,896.3	-71.6	27.7	-71.3	0.62	-0.12	-8.44
5,925.0	4.12	153.76	5,921.3	-73.3	28.5	-72.9	0.32	0.04	4.40
5,950.0	4.17	153.34	5,946.2	-74.9	29.3	-74.5	0.23	0.20	-1.68
5,975.0	4.18	155.03	5,971.1	-76.5	30.1	-76.2	0.49	0.04	6.76
6,000.0	4.15	154.09	5,996.1	-78.1	30.8	-77.8	0.30	-0.12	-3.76
6,025.0	4.01	153.66	6,021.0	-79.7	31.6	-79.4	0.57	-0.56	-1.72
6,050.0	3.97	153.34	6,045.9	-81.3	32.4	-80.9	0.18	-0.16	-1.28
6,075.0	3.91	153.74	6,070.9	-82.8	33.2	-82.5	0.26	-0.24	1.60
6,100.0	3.82	154.17	6,095.8	-84.4	33.9	-84.0	0.38	-0.36	1.72
6,125.0	3.63	152.88	6,120.8	-85.8	34.6	-85.4	0.83	-0.76	-5.16
6,150.0	3.41	153.49	6,145.7	-87.2	35.3	-86.8	0.89	-0.88	2.44
6,175.0	3.27	152.77	6,170.7	-88.5	36.0	-88.1	0.58	-0.56	-2.88
6,200.0	3.09	152.12	6,195.6	-89.7	36.6	-89.3	0.73	-0.72	-2.60
6,225.0	3.01	150.47	6,220.6	-90.9	37.3	-90.5	0.48	-0.32	-6.60
6,250.0	3.01	152.55	6,245.6	-92.0	37.9	-91.6	0.44	0.00	8.32
6,275.0	2.80	151.24	6,270.5	-93.1	38.5	-92.7	0.88	-0.84	-5.24
6,300.0	2.56	151.92	6,295.5	-94.2	39.0	-93.7	0.97	-0.96	2.72
6,325.0	2.55	153.41	6,320.5	-95.2	39.6	-94.7	0.27	-0.04	5.96
6,350.0	2.52	155.71	6,345.5	-96.2	40.0	-95.7	0.42	-0.12	9.20
6,375.0	2.57	152.71	6,370.4	-97.2	40.5	-96.7	0.57	0.20	-12.00
6,400.0	2.58	154.68	6,395.4	-98.2	41.0	-97.7	0.36	0.04	7.88
6,425.0	2.56	154.55	6,420.4	-99.2	41.5	-98.7	0.08	-0.08	-0.52
6,450.0	2.69	151.58	6,445.4	-100.2	42.0	-99.7	0.75	0.52	-11.88
6,475.0	2.93	147.34	6,470.3	-101.3	42.6	-100.8	1.27	0.96	-16.96
6,500.0	2.97	147.62	6,495.3	-102.3	43.3	-101.9	0.17	0.16	1.12
6,525.0	2.88	147.49	6,520.3	-103.4	44.0	-102.9	0.36	-0.36	-0.52
6,550.0	3.00	148.34	6,545.2	-104.5	44.7	-104.0	0.51	0.48	3.40
6,575.0	2.98	147.04	6,570.2	-105.6	45.4	-105.1	0.28	-0.08	-5.20
6,600.0	2.97	146.18	6,595.2	-106.7	46.1	-106.2	0.18	-0.04	-3.44
6,625.0	2.98	150.71	6,620.1	-107.8	46.8	-107.3	0.94	0.04	18.12
6,650.0	2.97	146.92	6,645.1	-108.9	47.4	-108.4	0.79	-0.04	-15.16
6,675.0	2.99	147.75	6,670.1	-110.0	48.2	-109.5	0.19	0.08	3.32
6,700.0	3.03	148.30	6,695.0	-111.1	48.8	-110.6	0.20	0.16	2.20
6,725.0	2.96	148.03	6,720.0	-112.2	49.5	-111.7	0.29	-0.28	-1.08
6,750.0	3.18	149.88	6,745.0	-113.4	50.2	-112.8	0.97	0.88	7.40
6,775.0	3.18	147.29	6,769.9	-114.5	50.9	-114.0	0.57	0.00	-10.36
6,800.0	3.30	149.67	6,794.9	-115.8	51.7	-115.2	0.72	0.48	9.52

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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	3.45	151.21	6,819.8	-117.0	52.4	-116.5	0.70	0.60	6.16
6,850.0	3.42	152.89	6,844.8	-118.4	53.1	-117.8	0.42	-0.12	6.72
6,875.0	3.64	153.84	6,869.7	-119.7	53.8	-119.1	0.91	0.88	3.80
6,900.0	3.92	150.84	6,894.7	-121.2	54.6	-120.6	1.37	1.12	-12.00
6,925.0	3.77	152.66	6,919.6	-122.7	55.4	-122.1	0.77	-0.60	7.28
6,950.0	3.80	151.00	6,944.6	-124.1	56.1	-123.5	0.45	0.12	-6.64
6,975.0	3.73	152.00	6,969.5	-125.6	56.9	-124.9	0.38	-0.28	4.00
7,000.0	3.74	152.07	6,994.5	-127.0	57.7	-126.4	0.04	0.04	0.28
7,025.0	3.84	154.01	7,019.4	-128.5	58.4	-127.8	0.65	0.40	7.76
7,050.0	3.89	153.55	7,044.4	-130.0	59.2	-129.3	0.24	0.20	-1.84
7,075.0	3.90	154.43	7,069.3	-131.5	59.9	-130.9	0.24	0.04	3.52
7,100.0	4.01	153.57	7,094.2	-133.1	60.7	-132.4	0.50	0.44	-3.44
7,125.0	4.13	153.04	7,119.2	-134.6	61.5	-134.0	0.50	0.48	-2.12
7,150.0	4.18	152.33	7,144.1	-136.3	62.3	-135.6	0.29	0.20	-2.84
7,175.0	4.21	152.76	7,169.0	-137.9	63.2	-137.2	0.17	0.12	1.72
7,200.0	4.18	155.37	7,194.0	-139.5	64.0	-138.8	0.77	-0.12	10.44
7,225.0	4.01	159.99	7,218.9	-141.2	64.6	-140.5	1.48	-0.68	18.48
7,250.0	3.83	160.82	7,243.9	-142.8	65.2	-142.1	0.75	-0.72	3.32
7,275.0	3.80	161.41	7,268.8	-144.4	65.7	-143.6	0.20	-0.12	2.36
7,300.0	3.87	163.10	7,293.7	-145.9	66.3	-145.2	0.53	0.28	6.76
7,325.0	3.65	161.95	7,318.7	-147.5	66.7	-146.8	0.93	-0.88	-4.60
7,350.0	3.70	163.01	7,343.6	-149.0	67.2	-148.3	0.34	0.20	4.24
7,375.0	3.83	159.89	7,368.6	-150.6	67.8	-149.9	0.97	0.52	-12.48
7,400.0	3.92	156.41	7,393.5	-152.2	68.4	-151.4	1.01	0.36	-13.92
7,425.0	4.07	154.53	7,418.5	-153.7	69.1	-153.0	0.80	0.60	-7.52
7,450.0	3.99	154.57	7,443.4	-155.3	69.9	-154.6	0.32	-0.32	0.16
7,475.0	4.51	152.29	7,468.3	-157.0	70.7	-156.2	2.19	2.08	-9.12
7,500.0	5.42	148.36	7,493.2	-158.9	71.8	-158.1	3.88	3.64	-15.72
7,525.0	5.78	146.92	7,518.1	-160.9	73.1	-160.1	1.55	1.44	-5.76
7,550.0	5.93	146.90	7,543.0	-163.1	74.5	-162.2	0.60	0.60	-0.08
7,575.0	5.85	146.30	7,567.9	-165.2	75.9	-164.4	0.40	-0.32	-2.40
7,600.0	5.75	146.68	7,592.7	-167.3	77.3	-166.5	0.43	-0.40	1.52
7,625.0	5.53	146.82	7,617.6	-169.4	78.6	-168.5	0.88	-0.88	0.56
7,650.0	5.35	147.04	7,642.5	-171.4	79.9	-170.5	0.72	-0.72	0.88
7,675.0	5.30	147.89	7,667.4	-173.3	81.2	-172.4	0.37	-0.20	3.40
7,700.0	5.12	146.98	7,692.3	-175.2	82.4	-174.3	0.79	-0.72	-3.64
7,725.0	5.03	147.70	7,717.2	-177.1	83.6	-176.2	0.44	-0.36	2.88
7,750.0	4.92	147.38	7,742.1	-178.9	84.7	-178.0	0.45	-0.44	-1.28
7,775.0	4.77	147.10	7,767.0	-180.7	85.9	-179.7	0.61	-0.60	-1.12
7,800.0	4.64	145.31	7,791.9	-182.4	87.0	-181.4	0.78	-0.52	-7.16
7,825.0	4.52	146.44	7,816.8	-184.0	88.1	-183.1	0.60	-0.48	4.52
7,850.0	4.50	145.14	7,841.8	-185.7	89.2	-184.7	0.42	-0.08	-5.20
7,875.0	4.52	145.57	7,866.7	-187.3	90.4	-186.3	0.16	0.08	1.72

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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	4.38	145.39	7,891.6	-188.9	91.5	-187.9	0.56	-0.56	-0.72
7,925.0	4.43	146.79	7,916.5	-190.5	92.5	-189.5	0.47	0.20	5.60
7,950.0	4.41	146.34	7,941.5	-192.1	93.6	-191.1	0.16	-0.08	-1.80
7,975.0	4.31	147.98	7,966.4	-193.7	94.6	-192.7	0.64	-0.40	6.56
8,000.0	4.35	147.74	7,991.3	-195.3	95.6	-194.2	0.18	0.16	-0.96
8,025.0	4.31	148.75	8,016.2	-196.9	96.6	-195.8	0.34	-0.16	4.04
8,050.0	4.20	148.94	8,041.2	-198.5	97.6	-197.4	0.44	-0.44	0.76
8,075.0	4.09	150.69	8,066.1	-200.0	98.5	-199.0	0.67	-0.44	7.00
8,100.0	3.89	151.81	8,091.1	-201.6	99.3	-200.5	0.86	-0.80	4.48
8,125.0	3.72	151.97	8,116.0	-203.0	100.1	-201.9	0.68	-0.68	0.64
8,150.0	3.56	153.55	8,140.9	-204.4	100.8	-203.3	0.76	-0.64	6.32
8,175.0	3.46	154.05	8,165.9	-205.8	101.5	-204.7	0.42	-0.40	2.00
8,200.0	3.42	152.72	8,190.9	-207.1	102.2	-206.0	0.36	-0.16	-5.32
8,225.0	3.23	151.82	8,215.8	-208.4	102.9	-207.3	0.79	-0.76	-3.60
8,250.0	2.95	148.28	8,240.8	-209.6	103.5	-208.5	1.35	-1.12	-14.16
8,275.0	2.86	146.43	8,265.7	-210.7	104.2	-209.5	0.52	-0.36	-7.40
8,300.0	2.91	145.89	8,290.7	-211.7	104.9	-210.6	0.23	0.20	-2.16
8,325.0	2.84	147.66	8,315.7	-212.8	105.6	-211.6	0.45	-0.28	7.08
8,350.0	2.96	144.80	8,340.6	-213.8	106.3	-212.7	0.75	0.48	-11.44
8,375.0	2.91	140.75	8,365.6	-214.8	107.1	-213.7	0.85	-0.20	-16.20
TIE ON									
8,395.0	2.80	146.43	8,385.6	-215.6	107.7	-214.5	1.52	-0.55	28.40
First MWD Survey @ 8395'MD									
8,575.0	1.78	143.19	8,565.4	-221.5	111.8	-220.3	0.57	-0.57	-1.80
8,645.0	2.41	59.66	8,635.4	-221.7	113.7	-220.4	4.04	0.90	-119.33
8,677.0	5.43	28.94	8,667.3	-220.0	115.0	-218.7	11.18	9.44	-96.00
8,708.0	8.70	17.64	8,698.1	-216.5	116.4	-215.2	11.41	10.55	-36.45
8,740.0	11.90	9.06	8,729.6	-210.9	117.7	-209.6	11.06	10.00	-26.81
8,772.0	15.49	3.86	8,760.7	-203.4	118.5	-202.1	11.85	11.22	-16.25
8,803.0	19.34	2.39	8,790.2	-194.1	119.0	-192.8	12.50	12.42	-4.74
8,834.0	21.54	2.40	8,819.3	-183.3	119.4	-182.0	7.10	7.10	0.03
8,842.8	22.60	2.07	8,827.4	-180.0	119.6	-178.7	12.11	12.02	-3.80
FTP @ 8842.8'MD / 8827.4'TVD									
8,866.0	25.39	1.31	8,848.6	-170.6	119.8	-169.3	12.11	12.03	-3.26
8,898.0	29.31	0.49	8,877.1	-155.9	120.1	-154.6	12.31	12.25	-2.56
8,929.0	32.25	359.81	8,903.7	-140.0	120.1	-138.7	9.55	9.48	-2.19
8,961.0	35.21	0.01	8,930.3	-122.2	120.1	-120.9	9.26	9.25	0.63
8,993.0	37.95	359.76	8,956.0	-103.2	120.0	-101.9	8.58	8.56	-0.78
9,024.0	40.66	359.16	8,980.0	-83.5	119.8	-82.2	8.83	8.74	-1.94
9,056.0	43.83	359.30	9,003.7	-62.0	119.6	-60.7	9.91	9.91	0.44
9,087.0	45.90	359.50	9,025.6	-40.2	119.3	-38.9	6.69	6.68	0.65
9,119.0	47.38	359.62	9,047.6	-16.9	119.2	-15.6	4.63	4.63	0.38
9,151.0	49.91	359.98	9,068.7	7.1	119.1	8.4	7.95	7.91	1.13
9,182.0	53.18	0.82	9,088.0	31.4	119.2	32.7	10.76	10.55	2.71

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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)
9,214.0	55.29	2.07	9,106.7	57.3	119.9	58.6	7.32	6.59	3.91
9,246.0	57.26	2.71	9,124.5	83.9	121.0	85.2	6.38	6.16	2.00
9,277.0	60.04	3.36	9,140.6	110.4	122.4	111.7	9.14	8.97	2.10
9,309.0	63.01	3.56	9,155.9	138.4	124.1	139.8	9.30	9.28	0.63
9,340.0	66.73	3.05	9,169.0	166.5	125.7	167.8	12.09	12.00	-1.65
9,372.0	69.27	2.98	9,181.0	196.1	127.3	197.4	7.94	7.94	-0.22
9,404.0	71.38	3.48	9,191.8	226.2	129.0	227.5	6.76	6.59	1.56
9,435.0	72.97	3.20	9,201.3	255.6	130.7	257.0	5.20	5.13	-0.90
9,467.0	75.09	3.31	9,210.1	286.3	132.5	287.7	6.63	6.63	0.34
9,499.0	77.06	3.16	9,217.8	317.3	134.2	318.8	6.17	6.16	-0.47
9,530.0	79.37	2.18	9,224.1	347.7	135.6	349.1	8.07	7.45	-3.16
9,562.0	80.88	1.66	9,229.6	379.2	136.7	380.6	4.98	4.72	-1.63
9,594.0	81.51	1.12	9,234.5	410.8	137.4	412.2	2.58	1.97	-1.69
9,625.0	83.91	359.80	9,238.4	441.5	137.7	443.0	8.82	7.74	-4.26
9,656.0	86.50	1.08	9,241.0	472.4	137.9	473.9	9.31	8.35	4.13
9,688.0	86.97	1.25	9,242.8	504.3	138.6	505.8	1.56	1.47	0.53
9,756.0	87.84	359.59	9,245.9	572.3	139.1	573.7	2.75	1.28	-2.44
9,851.0	89.50	356.81	9,248.1	667.2	136.1	668.6	3.41	1.75	-2.93
9,945.0	89.24	353.82	9,249.2	760.9	128.4	762.2	3.19	-0.28	-3.18
10,039.0	90.25	357.32	9,249.6	854.6	121.2	855.8	3.88	1.07	3.72
10,134.0	89.94	358.08	9,249.4	949.5	117.3	950.7	0.86	-0.33	0.80
10,229.0	90.14	355.57	9,249.4	1,044.3	112.1	1,045.5	2.65	0.21	-2.64
10,323.0	90.39	357.06	9,248.9	1,138.1	106.0	1,139.2	1.61	0.27	1.59
10,418.0	89.92	359.28	9,248.7	1,233.1	103.0	1,234.1	2.39	-0.49	2.34
10,512.0	89.36	1.86	9,249.3	1,327.1	103.9	1,328.1	2.81	-0.60	2.74
10,607.0	89.33	2.28	9,250.3	1,422.0	107.4	1,423.1	0.44	-0.03	0.44
10,702.0	89.66	4.62	9,251.2	1,516.8	113.1	1,517.9	2.49	0.35	2.46
10,797.0	89.24	4.70	9,252.1	1,611.5	120.8	1,612.7	0.45	-0.44	0.08
10,892.0	89.64	2.37	9,253.0	1,706.3	126.7	1,707.6	2.49	0.42	-2.45
10,987.0	89.66	5.80	9,253.6	1,801.0	133.4	1,802.4	3.61	0.02	3.61
11,081.0	90.08	4.72	9,253.8	1,894.6	142.0	1,896.1	1.23	0.45	-1.15
11,176.0	90.50	1.35	9,253.3	1,989.5	147.1	1,991.0	3.57	0.44	-3.55
11,271.0	89.69	359.87	9,253.2	2,084.5	148.1	2,086.0	1.78	-0.85	-1.56
11,366.0	89.55	359.28	9,253.8	2,179.5	147.4	2,180.9	0.64	-0.15	-0.62
11,461.0	89.52	359.13	9,254.6	2,274.5	146.1	2,275.9	0.16	-0.03	-0.16
11,556.0	89.64	359.26	9,255.3	2,369.5	144.7	2,370.9	0.19	0.13	0.14
11,651.0	89.89	0.45	9,255.7	2,464.5	144.5	2,465.9	1.28	0.26	1.25
11,746.0	89.69	2.10	9,256.0	2,559.4	146.6	2,560.9	1.75	-0.21	1.74
11,841.0	89.55	1.88	9,256.6	2,654.4	149.9	2,655.8	0.27	-0.15	-0.23
11,935.0	89.50	0.39	9,257.4	2,748.3	151.8	2,749.8	1.59	-0.05	-1.59
12,030.0	88.38	357.84	9,259.2	2,843.3	150.3	2,844.8	2.93	-1.18	-2.68
12,124.0	88.32	357.16	9,261.9	2,937.2	146.2	2,938.6	0.73	-0.06	-0.72
12,219.0	89.50	357.81	9,263.7	3,032.1	142.0	3,033.4	1.42	1.24	0.68

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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)
12,314.0	90.39	0.65	9,263.8	3,127.0	140.8	3,128.4	3.13	0.94	2.99
12,409.0	90.08	6.62	9,263.4	3,221.8	146.8	3,223.2	6.29	-0.33	6.28
12,504.0	89.41	5.96	9,263.8	3,316.2	157.2	3,317.7	0.99	-0.71	-0.69
12,598.0	88.80	358.78	9,265.3	3,410.1	161.1	3,411.6	7.66	-0.65	-7.64
12,693.0	89.38	352.57	9,266.8	3,504.8	153.9	3,506.2	6.56	0.61	-6.54
12,788.0	89.47	352.19	9,267.8	3,598.9	141.3	3,600.2	0.41	0.09	-0.40
12,883.0	89.41	350.45	9,268.7	3,692.8	127.0	3,694.0	1.83	-0.06	-1.83
12,977.0	90.31	349.61	9,268.9	3,785.4	110.7	3,786.4	1.31	0.96	-0.89
13,072.0	90.73	352.66	9,268.0	3,879.2	96.1	3,880.1	3.24	0.44	3.21
13,200.0	90.39	353.26	9,266.8	4,006.3	80.4	4,006.9	0.54	-0.27	0.47
13,294.0	88.40	357.20	9,267.8	4,099.9	72.6	4,100.5	4.70	-2.12	4.19
13,389.0	89.19	4.05	9,269.8	4,194.8	73.6	4,195.4	7.26	0.83	7.21
13,484.0	89.08	5.58	9,271.2	4,289.5	81.6	4,290.1	1.61	-0.12	1.61
13,578.0	89.61	6.72	9,272.3	4,382.9	91.6	4,383.7	1.34	0.56	1.21
13,673.0	89.92	7.30	9,272.7	4,477.2	103.2	4,478.1	0.69	0.33	0.61
13,768.0	90.03	4.39	9,272.7	4,571.7	112.9	4,572.7	3.07	0.12	-3.06
13,862.0	90.45	3.35	9,272.3	4,665.5	119.3	4,666.5	1.19	0.45	-1.11
13,956.0	90.67	1.81	9,271.4	4,759.4	123.5	4,760.5	1.65	0.23	-1.64
14,051.0	89.86	3.05	9,271.0	4,854.3	127.5	4,855.4	1.56	-0.85	1.31
14,146.0	90.31	1.77	9,270.8	4,949.2	131.5	4,950.4	1.43	0.47	-1.35
14,240.0	90.90	2.25	9,269.8	5,043.2	134.8	5,044.3	0.81	0.63	0.51
14,336.0	88.15	0.89	9,270.6	5,139.1	137.4	5,140.3	3.20	-2.86	-1.42
14,431.0	87.81	0.51	9,274.0	5,234.0	138.6	5,235.2	0.54	-0.36	-0.40
14,526.0	88.18	0.52	9,277.3	5,329.0	139.4	5,330.2	0.39	0.39	0.01
14,621.0	88.66	0.71	9,279.9	5,423.9	140.5	5,425.1	0.54	0.51	0.20
14,715.0	89.38	0.78	9,281.5	5,517.9	141.7	5,519.1	0.77	0.77	0.07
14,810.0	89.24	359.61	9,282.7	5,612.9	142.0	5,614.1	1.24	-0.15	-1.23
14,905.0	89.41	359.40	9,283.8	5,707.9	141.2	5,709.1	0.28	0.18	-0.22
14,999.0	90.42	0.30	9,283.9	5,801.9	140.9	5,803.1	1.44	1.07	0.96
15,093.0	90.84	359.08	9,282.9	5,895.9	140.4	5,897.1	1.37	0.45	-1.30
15,188.0	91.37	359.08	9,281.1	5,990.9	138.9	5,992.0	0.56	0.56	0.00
15,283.0	89.78	358.69	9,280.1	6,085.8	137.1	6,087.0	1.72	-1.67	-0.41
15,378.0	89.72	358.57	9,280.5	6,180.8	134.8	6,181.9	0.14	-0.06	-0.13
15,472.0	89.89	357.98	9,280.9	6,274.8	132.0	6,275.8	0.65	0.18	-0.63
15,567.0	89.50	358.30	9,281.4	6,369.7	128.9	6,370.7	0.53	-0.41	0.34
15,662.0	89.27	356.44	9,282.4	6,464.6	124.5	6,465.6	1.97	-0.24	-1.96
15,756.0	89.36	357.01	9,283.5	6,558.4	119.2	6,559.3	0.61	0.10	0.61
15,851.0	89.69	357.71	9,284.3	6,653.3	114.8	6,654.2	0.81	0.35	0.74
15,946.0	89.69	357.32	9,284.8	6,748.2	110.7	6,749.0	0.41	0.00	-0.41
16,041.0	90.00	358.58	9,285.1	6,843.2	107.3	6,843.9	1.37	0.33	1.33
16,135.0	86.81	358.84	9,287.7	6,937.1	105.1	6,937.8	3.40	-3.39	0.28
16,231.0	87.98	359.03	9,292.0	7,033.0	103.4	7,033.7	1.23	1.22	0.20
16,324.3	89.30	1.26	9,294.3	7,126.2	103.6	7,126.9	2.78	1.41	2.39

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM #705H
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 #705H	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)
16,421.0	89.38	1.54	9,295.4	7,222.9	106.0	7,223.6	0.30	0.08	0.29
16,516.0	89.94	1.59	9,295.9	7,317.9	108.6	7,318.6	0.59	0.59	0.05
16,611.0	90.03	1.07	9,296.0	7,412.9	110.8	7,413.6	0.56	0.09	-0.55
16,705.0	90.00	0.79	9,295.9	7,506.8	112.3	7,507.6	0.30	-0.03	-0.30
16,800.0	90.59	2.77	9,295.4	7,601.8	115.2	7,602.6	2.17	0.62	2.08
16,895.0	90.08	1.77	9,294.9	7,696.7	119.0	7,697.6	1.18	-0.54	-1.05
16,990.0	90.20	2.42	9,294.7	7,791.7	122.5	7,792.5	0.70	0.13	0.68
17,085.0	89.02	2.46	9,295.3	7,886.6	126.5	7,887.5	1.24	-1.24	0.04
17,180.0	89.22	0.95	9,296.8	7,981.5	129.3	7,982.4	1.60	0.21	-1.59
17,276.0	89.64	359.73	9,297.7	8,077.5	129.9	8,078.4	1.34	0.44	-1.27
17,370.0	90.06	3.63	9,298.0	8,171.4	132.7	8,172.4	4.17	0.45	4.15
17,464.0	89.10	2.62	9,298.7	8,265.3	137.8	8,266.3	1.48	-1.02	-1.07
17,559.0	89.83	359.79	9,299.5	8,360.3	139.8	8,361.3	3.08	0.77	-2.98
17,654.0	90.25	358.83	9,299.5	8,455.2	138.6	8,456.3	1.10	0.44	-1.01
17,749.0	90.17	358.64	9,299.1	8,550.2	136.5	8,551.2	0.22	-0.08	-0.20
17,844.0	89.97	359.78	9,299.0	8,645.2	135.2	8,646.2	1.22	-0.21	1.20
17,938.0	90.22	359.77	9,298.9	8,739.2	134.9	8,740.2	0.27	0.27	-0.01
18,033.0	90.06	359.47	9,298.6	8,834.2	134.2	8,835.1	0.36	-0.17	-0.32
18,127.0	90.00	356.09	9,298.6	8,928.1	130.6	8,929.0	3.60	-0.06	-3.60
18,221.0	89.30	356.30	9,299.2	9,021.9	124.4	9,022.7	0.78	-0.74	0.22
18,316.0	89.10	357.61	9,300.5	9,116.8	119.3	9,117.5	1.39	-0.21	1.38
18,410.0	90.73	358.30	9,300.6	9,210.7	116.0	9,211.4	1.88	1.73	0.73
18,505.0	90.95	359.66	9,299.2	9,305.7	114.3	9,306.4	1.45	0.23	1.43
18,594.0	90.25	359.73	9,298.3	9,394.7	113.8	9,395.4	0.79	-0.79	0.08
18,689.0	89.41	0.02	9,298.6	9,489.7	113.6	9,490.3	0.94	-0.88	0.31
18,784.0	90.76	1.43	9,298.4	9,584.7	114.8	9,585.3	2.05	1.42	1.48
18,879.0	90.81	3.00	9,297.1	9,679.6	118.5	9,680.3	1.65	0.05	1.65
18,973.0	89.13	3.27	9,297.2	9,773.4	123.6	9,774.2	1.81	-1.79	0.29
19,068.0	89.19	2.91	9,298.6	9,868.3	128.7	9,869.1	0.38	0.06	-0.38
19,162.0	89.55	2.64	9,299.6	9,962.2	133.3	9,963.0	0.48	0.38	-0.29
19,257.0	88.79	1.82	9,301.0	10,057.1	137.0	10,058.0	1.18	-0.80	-0.86
19,351.0	87.62	0.46	9,303.9	10,151.0	138.8	10,151.9	1.91	-1.24	-1.45
19,446.0	87.84	1.26	9,307.7	10,245.9	140.3	10,246.8	0.87	0.23	0.84
19,540.0	88.23	1.03	9,310.9	10,339.9	142.1	10,340.8	0.48	0.41	-0.24
19,635.0	89.41	2.01	9,312.9	10,434.8	144.7	10,435.8	1.61	1.24	1.03
19,730.0	89.50	1.00	9,313.8	10,529.8	147.2	10,530.7	1.07	0.09	-1.06
19,824.0	90.00	0.92	9,314.2	10,623.7	148.7	10,624.7	0.54	0.53	-0.09
19,918.0	88.35	359.74	9,315.5	10,717.7	149.3	10,718.7	2.16	-1.76	-1.26
20,013.0	92.05	2.92	9,315.2	10,812.7	151.5	10,813.7	5.14	3.89	3.35
20,108.0	91.99	2.07	9,311.9	10,907.5	155.6	10,908.6	0.90	-0.06	-0.89
20,202.0	90.31	1.63	9,310.0	11,001.5	158.6	11,002.5	1.85	-1.79	-0.47
20,297.0	91.60	1.83	9,308.4	11,096.4	161.5	11,097.5	1.37	1.36	0.21
20,392.0	90.95	0.90	9,306.3	11,191.3	163.8	11,192.5	1.19	-0.68	-0.98
20,486.0	90.67	0.56	9,304.9	11,285.3	165.0	11,286.4	0.47	-0.30	-0.36

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well WAY SOUTH ST COM#705H
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 #705H	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)
20,580.0	91.06	0.70	9,303.5	11,379.3	166.0	11,380.4	0.44	0.41	0.15
20,675.0	92.13	0.68	9,300.9	11,474.3	167.1	11,475.4	1.13	1.13	-0.02
20,780.0	93.90	0.35	9,295.4	11,579.1	168.1	11,580.2	1.71	1.69	-0.31
20,875.0	93.31	2.25	9,289.4	11,673.9	170.2	11,675.1	2.09	-0.62	2.00
20,970.0	91.46	2.72	9,285.4	11,768.7	174.4	11,769.9	2.01	-1.95	0.49
21,064.0	88.46	0.57	9,285.5	11,862.7	177.1	11,863.9	3.93	-3.19	-2.29
21,158.0	88.32	0.99	9,288.1	11,956.6	178.3	11,957.8	0.47	-0.15	0.45
21,183.6	88.44	1.05	9,288.9	11,982.2	178.8	11,983.4	0.51	0.46	0.22
LTP @ 21183.6'MD / 9288.9'TVD									
21,250.0	88.74	1.19	9,290.5	12,048.6	180.1	12,049.8	0.51	0.46	0.22
Last MWD Survey @ 21250'MD									
21,313.0	88.74	1.19	9,291.9	12,111.5	181.4	12,112.8	0.00	0.00	0.00
PTB @ 21313'MD									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP-Way South St Cc	0.00	0.00	9,244.0	-180.0	132.4	364,064.20	564,676.50	32° 0' 2.716 N	104° 7' 28.900 W
- hit/miss target									
- Shape									
- actual wellpath misses target center by 255.4usft at 9126.3usft MD (9052.5 TVD, -11.5 N, 119.1 E)									
- Circle (radius 50.0)									
PBHL-Way South St C	-0.40	179.99	9,326.0	12,111.3	130.7	376,355.50	564,674.80	32° 2' 4.359 N	104° 7' 28.644 W
- actual wellpath misses target center by 61.1usft at 21312.5usft MD (9291.9 TVD, 12111.0 N, 181.4 E)									
- Rectangle (sides W100.0 H12,291.3 D20.0)									
LTP-Way South St Co	0.00	0.00	9,326.0	11,981.3	131.0	376,225.50	564,675.10	32° 2' 3.072 N	104° 7' 28.643 W
- actual wellpath misses target center by 60.5usft at 21182.9usft MD (9288.8 TVD, 11981.5 N, 178.8 E)									
- Point									

Design Annotations

	Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
			+N/-S (usft)	+E/-W (usft)	
	8,375.0	8,365.6	-214.8	107.1	TIE ON
	8,395.0	8,385.6	-215.6	107.7	First MWD Survey @ 8395'MD
	8,842.8	8,827.4	-180.0	119.6	FTP @ 8842.8'MD / 8827.4'TVD
	21,183.6	9,288.9	11,982.2	178.8	LTP @ 21183.6'MD / 9288.9'TVD
	21,250.0	9,290.5	12,048.6	180.1	Last MWD Survey @ 21250'MD
	21,313.0	9,291.9	12,111.5	181.4	PTB @ 21313'MD

Checked By: _____ Approved By: _____ Date: _____