

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

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

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 478-3460 Fax: (505) 478-3482

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

NM OIL CONSERVATION

ARTESIA DISTRICT

NOV 25 2019

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

RECEIVED

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45747	Pool Code 30216	Pool Name Hay Hollow; Bone Spring, North
Property Code 325001	Property Name DAISY 24 STATE COM	Well Number 503H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3057.0'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	24	25-S	27-E		275	NORTH	1970	WEST	EDDY

Bottom Hole Location If Different From Surface

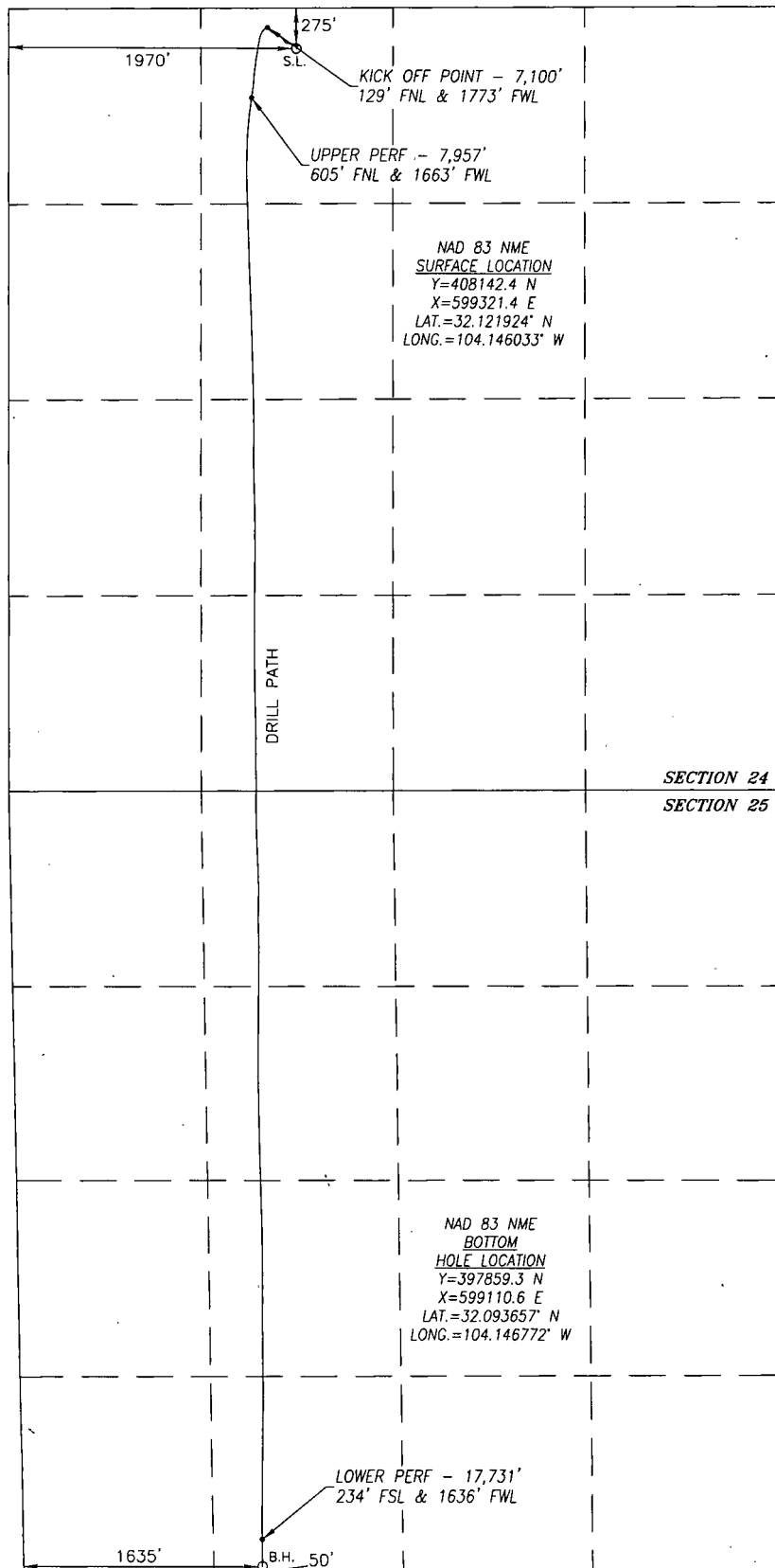
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	25	25-S	27-E		50	SOUTH	1635	WEST	EDDY

Dedicated Acres 640	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

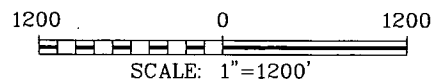
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code 325001	Property Name DAISY 24 STATE COM	Well Number 503H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3057.0'



BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE DAISY 24 STATE COM #503H SUPPLIED TO HARCROW SURVEYING, LLC ON OCTOBER 10, 2019



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.

11/20/19

Signature

Date

Amanda Avery

Printed Name

aaavery@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.

DEC. 5, 2018/MAY 14, 2019

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 10/21/19

Certificate No. CHAD HARCROW 17777

EW 1-10-2020

Intent ☐ As Drilled ☒

API #
30-015-45747

Operator Name:
COG OPERATING, LLC

Property Name:
DAISY 24 STATE COM

Well Number
503H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	24	25S	27E		129	NORTH	1773	WEST	EDDY
Latitude					Longitude			NAD	
32.122322					-104.146670			83	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	24	25S	27E		605	NORTH	1663	WEST	EDDY
Latitude					Longitude			NAD	
32.121012					-104.147023			83	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	25	25S	27E		234	SOUTH	1636	WEST	EDDY
Latitude					Longitude			NAD	
32.094163					-104.146778			83	

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

No

Is this well an infill well?

Yes

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

API #
30-01545748

Operator Name:
COG Operating LLC

Property Name:
Daisy 24 State Com

Well Number
504H

KZ 06/29/2018

NM OIL CONSERVATION

ARTESIA DISTRICT

NOV 25 2019

RECEIVED

NORTHERN DELAWARE BASIN

EDDY COUNTY, NM

ATLAS

DAISY 24 STATE COM #503H

OWB

Design: AWP

Survey Report - Geographic

14 May, 2019

A Certified Directional Survey
requested as required by NMOCD
Rule 19.15.16.14 NMAC

Survey Report - Geographic

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well DAISY 24 STATE COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Site:	ATLAS	MD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Well:	DAISY 24 STATE COM #503H	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	Latitude:	32° 1' 15.933 N
From:	Map	Easting:	573,599.60 usft	Longitude:	104° 5' 45.086 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.13 °

Well	DAISY 24 STATE COM #503H, COG-ACTIVE				
Well Position	+N/-S	0.0 usft	Northing:	408,084.80 usft	Latitude: 32° 7' 18.488 N
	+E/-W	0.0 usft	Easting:	558,137.70 usft	Longitude: 104° 8' 43.946 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level: 3,057.0 usft

Wellbore		OWB			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	4/9/2019	7.02	59.85	47,633.28014035

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
			181.12

Survey Program		Date	5/14/2019	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	6,955.0	GYRO (OWB)	Standard Keeper	Standard Wireline Keeper ver 1.0.4
7,024.0	17,915.0	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	408,084.80	558,137.70	32° 7' 18.488 N	104° 8' 43.946 W
100.0	0.98	35.18	100.0	0.7	0.5	408,085.50	558,138.20	32° 7' 18.495 N	104° 8' 43.941 W
125.0	1.05	35.68	125.0	1.1	0.7	408,085.86	558,138.45	32° 7' 18.499 N	104° 8' 43.938 W
150.0	1.11	31.31	150.0	1.5	1.0	408,086.25	558,138.71	32° 7' 18.503 N	104° 8' 43.934 W
175.0	1.08	35.52	175.0	1.9	1.3	408,086.65	558,138.97	32° 7' 18.506 N	104° 8' 43.931 W
200.0	1.10	34.19	200.0	2.2	1.5	408,087.04	558,139.25	32° 7' 18.510 N	104° 8' 43.928 W
225.0	1.10	28.87	225.0	2.7	1.8	408,087.45	558,139.50	32° 7' 18.514 N	104° 8' 43.925 W
250.0	1.12	21.50	250.0	3.1	2.0	408,087.89	558,139.70	32° 7' 18.519 N	104° 8' 43.923 W
275.0	1.09	28.72	275.0	3.5	2.2	408,088.32	558,139.91	32° 7' 18.523 N	104° 8' 43.921 W

Survey Report - Geographic

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well DAISY 24 STATE COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Site:	ATLAS	MD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Well:	DAISY 24 STATE COM #503H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
300.0	1.11	29.06	300.0	3.9	2.4	408,088.74	558,140.14	32° 7' 18.527 N	104° 8' 43.918 W
325.0	1.05	28.11	325.0	4.4	2.7	408,089.16	558,140.36	32° 7' 18.531 N	104° 8' 43.915 W
350.0	1.07	30.39	350.0	4.8	2.9	408,089.56	558,140.59	32° 7' 18.535 N	104° 8' 43.913 W
375.0	0.91	29.52	374.9	5.1	3.1	408,089.93	558,140.81	32° 7' 18.539 N	104° 8' 43.910 W
400.0	0.77	33.32	399.9	5.4	3.3	408,090.25	558,141.00	32° 7' 18.542 N	104° 8' 43.908 W
425.0	0.60	36.81	424.9	5.7	3.5	408,090.49	558,141.17	32° 7' 18.544 N	104° 8' 43.906 W
450.0	0.53	29.14	449.9	5.9	3.6	408,090.70	558,141.30	32° 7' 18.547 N	104° 8' 43.904 W
475.0	0.47	34.13	474.9	6.1	3.7	408,090.88	558,141.41	32° 7' 18.548 N	104° 8' 43.903 W
500.0	0.40	16.89	499.9	6.3	3.8	408,091.05	558,141.50	32° 7' 18.550 N	104° 8' 43.902 W
525.0	0.32	40.13	524.9	6.4	3.9	408,091.19	558,141.57	32° 7' 18.551 N	104° 8' 43.901 W
550.0	0.16	72.04	549.9	6.5	3.9	408,091.25	558,141.65	32° 7' 18.552 N	104° 8' 43.900 W
575.0	0.15	71.46	574.9	6.5	4.0	408,091.27	558,141.71	32° 7' 18.552 N	104° 8' 43.900 W
600.0	0.12	55.24	599.9	6.5	4.1	408,091.30	558,141.76	32° 7' 18.552 N	104° 8' 43.899 W
625.0	0.15	58.74	624.9	6.5	4.1	408,091.33	558,141.81	32° 7' 18.553 N	104° 8' 43.898 W
650.0	0.26	25.64	649.9	6.6	4.2	408,091.40	558,141.86	32° 7' 18.553 N	104° 8' 43.898 W
675.0	0.47	50.62	674.9	6.7	4.3	408,091.52	558,141.97	32° 7' 18.555 N	104° 8' 43.897 W
700.0	0.51	50.51	699.9	6.9	4.4	408,091.65	558,142.13	32° 7' 18.556 N	104° 8' 43.895 W
725.0	0.50	55.09	724.9	7.0	4.6	408,091.79	558,142.31	32° 7' 18.557 N	104° 8' 43.893 W
750.0	0.50	40.54	749.9	7.1	4.8	408,091.93	558,142.47	32° 7' 18.559 N	104° 8' 43.891 W
775.0	0.68	27.60	774.9	7.3	4.9	408,092.14	558,142.61	32° 7' 18.561 N	104° 8' 43.889 W
800.0	0.80	18.01	799.9	7.6	5.0	408,092.44	558,142.73	32° 7' 18.564 N	104° 8' 43.888 W
825.0	0.88	19.39	824.9	8.0	5.1	408,092.79	558,142.85	32° 7' 18.567 N	104° 8' 43.886 W
850.0	0.96	14.29	849.9	8.4	5.3	408,093.17	558,142.96	32° 7' 18.571 N	104° 8' 43.885 W
875.0	1.20	12.93	874.9	8.8	5.4	408,093.63	558,143.08	32° 7' 18.576 N	104° 8' 43.884 W
900.0	1.26	6.89	899.9	9.4	5.5	408,094.16	558,143.17	32° 7' 18.581 N	104° 8' 43.883 W
925.0	1.39	7.01	924.9	9.9	5.5	408,094.73	558,143.24	32° 7' 18.586 N	104° 8' 43.882 W
950.0	1.43	3.16	949.9	10.5	5.6	408,095.35	558,143.29	32° 7' 18.592 N	104° 8' 43.881 W
975.0	1.40	359.64	974.9	11.2	5.6	408,095.96	558,143.31	32° 7' 18.599 N	104° 8' 43.881 W
1,000.0	1.42	0.05	999.9	11.8	5.6	408,096.58	558,143.30	32° 7' 18.605 N	104° 8' 43.881 W
1,025.0	1.51	355.32	1,024.9	12.4	5.6	408,097.22	558,143.28	32° 7' 18.611 N	104° 8' 43.881 W
1,050.0	1.28	331.55	1,049.9	13.0	5.4	408,097.79	558,143.12	32° 7' 18.617 N	104° 8' 43.883 W
1,075.0	1.30	303.60	1,074.9	13.4	5.0	408,098.19	558,142.75	32° 7' 18.621 N	104° 8' 43.887 W
1,100.0	1.45	292.14	1,099.9	13.7	4.5	408,098.47	558,142.22	32° 7' 18.623 N	104° 8' 43.893 W
1,125.0	1.44	286.31	1,124.8	13.9	3.9	408,098.68	558,141.62	32° 7' 18.625 N	104° 8' 43.900 W
1,150.0	1.57	286.41	1,149.8	14.1	3.3	408,098.86	558,140.99	32° 7' 18.627 N	104° 8' 43.908 W
1,175.0	1.57	290.78	1,174.8	14.3	2.6	408,099.08	558,140.35	32° 7' 18.629 N	104° 8' 43.915 W
1,200.0	1.35	286.54	1,199.8	14.5	2.0	408,099.28	558,139.74	32° 7' 18.632 N	104° 8' 43.922 W
1,225.0	1.03	282.84	1,224.8	14.6	1.5	408,099.42	558,139.24	32° 7' 18.633 N	104° 8' 43.928 W
1,250.0	0.70	285.12	1,249.8	14.7	1.2	408,099.51	558,138.88	32° 7' 18.634 N	104° 8' 43.932 W
1,275.0	0.59	298.73	1,274.8	14.8	0.9	408,099.61	558,138.62	32° 7' 18.635 N	104° 8' 43.935 W
1,300.0	0.53	293.90	1,299.8	14.9	0.7	408,099.72	558,138.40	32° 7' 18.636 N	104° 8' 43.938 W
1,325.0	0.54	301.56	1,324.8	15.0	0.5	408,099.83	558,138.19	32° 7' 18.637 N	104° 8' 43.940 W
1,350.0	0.70	306.84	1,349.8	15.2	0.3	408,099.98	558,137.97	32° 7' 18.638 N	104° 8' 43.943 W
1,375.0	0.84	302.85	1,374.8	15.4	0.0	408,100.17	558,137.69	32° 7' 18.640 N	104° 8' 43.946 W
1,400.0	1.10	303.12	1,399.8	15.6	-0.4	408,100.40	558,137.34	32° 7' 18.643 N	104° 8' 43.950 W
1,425.0	1.55	304.35	1,424.8	15.9	-0.8	408,100.72	558,136.86	32° 7' 18.646 N	104° 8' 43.956 W
1,450.0	1.88	303.45	1,449.8	16.3	-1.5	408,101.14	558,136.24	32° 7' 18.650 N	104° 8' 43.963 W
1,475.0	2.02	302.50	1,474.8	16.8	-2.2	408,101.60	558,135.52	32° 7' 18.655 N	104° 8' 43.971 W
1,500.0	2.15	302.08	1,499.8	17.3	-2.9	408,102.09	558,134.75	32° 7' 18.659 N	104° 8' 43.980 W
1,525.0	2.54	299.49	1,524.7	17.8	-3.8	408,102.61	558,133.87	32° 7' 18.665 N	104° 8' 43.990 W
1,550.0	2.53	300.32	1,549.7	18.4	-4.8	408,103.16	558,132.91	32° 7' 18.670 N	104° 8' 44.002 W
1,575.0	2.20	297.93	1,574.7	18.9	-5.7	408,103.67	558,132.01	32° 7' 18.675 N	104° 8' 44.012 W
1,600.0	1.57	293.63	1,599.7	19.2	-6.4	408,104.03	558,131.28	32° 7' 18.679 N	104° 8' 44.021 W

Survey Report - Geographic

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well DAISY 24 STATE COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Site:	ATLAS	MD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Well:	DAISY 24 STATE COM #503H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,625.0	0.93	285.32	1,624.7	19.4	-6.9	408,104.22	558,130.77	32° 7' 18.680 N	104° 8' 44.026 W
1,650.0	0.41	274.68	1,649.7	19.5	-7.2	408,104.28	558,130.48	32° 7' 18.681 N	104° 8' 44.030 W
1,675.0	0.03	202.76	1,674.7	19.5	-7.3	408,104.28	558,130.39	32° 7' 18.681 N	104° 8' 44.031 W
1,700.0	0.26	115.96	1,699.7	19.5	-7.3	408,104.25	558,130.44	32° 7' 18.681 N	104° 8' 44.030 W
1,725.0	0.38	94.53	1,724.7	19.4	-7.1	408,104.22	558,130.57	32° 7' 18.680 N	104° 8' 44.029 W
1,750.0	0.46	73.76	1,749.7	19.4	-7.0	408,104.24	558,130.75	32° 7' 18.681 N	104° 8' 44.027 W
1,775.0	0.60	64.99	1,774.7	19.5	-6.7	408,104.32	558,130.97	32° 7' 18.682 N	104° 8' 44.024 W
1,800.0	0.73	54.58	1,799.7	19.7	-6.5	408,104.47	558,131.22	32° 7' 18.683 N	104° 8' 44.021 W
1,825.0	0.88	52.68	1,824.7	19.9	-6.2	408,104.68	558,131.50	32° 7' 18.685 N	104° 8' 44.018 W
1,850.0	0.95	46.23	1,849.7	20.1	-5.9	408,104.94	558,131.80	32° 7' 18.688 N	104° 8' 44.014 W
1,875.0	1.03	49.46	1,874.7	20.4	-5.6	408,105.23	558,132.12	32° 7' 18.690 N	104° 8' 44.011 W
1,900.0	1.12	54.25	1,899.6	20.7	-5.2	408,105.52	558,132.49	32° 7' 18.693 N	104° 8' 44.006 W
1,925.0	1.31	61.02	1,924.6	21.0	-4.8	408,105.80	558,132.94	32° 7' 18.696 N	104° 8' 44.001 W
1,950.0	1.51	64.29	1,949.6	21.3	-4.2	408,106.08	558,133.48	32° 7' 18.699 N	104° 8' 43.995 W
1,975.0	1.79	71.28	1,974.6	21.5	-3.6	408,106.35	558,134.15	32° 7' 18.702 N	104° 8' 43.987 W
2,000.0	2.12	72.67	1,999.6	21.8	-2.7	408,106.61	558,134.96	32° 7' 18.704 N	104° 8' 43.978 W
2,025.0	2.27	76.70	2,024.6	22.1	-1.8	408,106.86	558,135.89	32° 7' 18.707 N	104° 8' 43.967 W
2,050.0	2.36	88.25	2,049.6	22.2	-0.8	408,106.99	558,136.88	32° 7' 18.708 N	104° 8' 43.955 W
2,075.0	2.50	97.77	2,074.5	22.1	0.2	408,106.93	558,137.94	32° 7' 18.707 N	104° 8' 43.943 W
2,100.0	2.53	100.55	2,099.5	22.0	1.3	408,106.76	558,139.02	32° 7' 18.705 N	104° 8' 43.930 W
2,125.0	2.60	101.83	2,124.5	21.7	2.4	408,106.54	558,140.12	32° 7' 18.703 N	104° 8' 43.918 W
2,150.0	2.67	102.01	2,149.5	21.5	3.5	408,106.30	558,141.24	32° 7' 18.701 N	104° 8' 43.905 W
2,175.0	2.66	101.58	2,174.4	21.3	4.7	408,106.07	558,142.38	32° 7' 18.699 N	104° 8' 43.891 W
2,200.0	2.76	100.45	2,199.4	21.0	5.8	408,105.84	558,143.54	32° 7' 18.696 N	104° 8' 43.878 W
2,225.0	2.72	99.59	2,224.4	20.8	7.0	408,105.63	558,144.72	32° 7' 18.694 N	104° 8' 43.864 W
2,250.0	2.73	100.83	2,249.4	20.6	8.2	408,105.42	558,145.89	32° 7' 18.692 N	104° 8' 43.851 W
2,275.0	2.70	99.25	2,274.3	20.4	9.3	408,105.22	558,147.05	32° 7' 18.690 N	104° 8' 43.837 W
2,300.0	2.62	98.28	2,299.3	20.2	10.5	408,105.04	558,148.20	32° 7' 18.688 N	104° 8' 43.824 W
2,325.0	2.65	98.31	2,324.3	20.1	11.6	408,104.87	558,149.34	32° 7' 18.687 N	104° 8' 43.811 W
2,350.0	2.56	97.69	2,349.3	19.9	12.8	408,104.72	558,150.46	32° 7' 18.685 N	104° 8' 43.797 W
2,375.0	2.55	97.67	2,374.2	19.8	13.9	408,104.57	558,151.57	32° 7' 18.684 N	104° 8' 43.785 W
2,400.0	2.52	96.65	2,399.2	19.6	15.0	408,104.43	558,152.66	32° 7' 18.682 N	104° 8' 43.772 W
2,425.0	2.55	97.90	2,424.2	19.5	16.1	408,104.29	558,153.76	32° 7' 18.681 N	104° 8' 43.759 W
2,450.0	2.59	98.10	2,449.2	19.3	17.2	408,104.13	558,154.87	32° 7' 18.679 N	104° 8' 43.746 W
2,475.0	2.48	97.24	2,474.1	19.2	18.3	408,103.98	558,155.97	32° 7' 18.678 N	104° 8' 43.733 W
2,500.0	2.12	96.93	2,499.1	19.1	19.3	408,103.86	558,156.96	32° 7' 18.676 N	104° 8' 43.722 W
2,525.0	1.29	107.73	2,524.1	18.9	20.0	408,103.72	558,157.69	32° 7' 18.675 N	104° 8' 43.713 W
2,550.0	0.72	123.73	2,549.1	18.7	20.4	408,103.55	558,158.09	32° 7' 18.673 N	104° 8' 43.709 W
2,575.0	0.45	140.59	2,574.1	18.6	20.6	408,103.38	558,158.28	32° 7' 18.672 N	104° 8' 43.707 W
2,600.0	0.20	224.13	2,599.1	18.5	20.6	408,103.28	558,158.31	32° 7' 18.671 N	104° 8' 43.706 W
2,625.0	0.66	294.02	2,624.1	18.5	20.4	408,103.30	558,158.15	32° 7' 18.671 N	104° 8' 43.708 W
2,650.0	1.01	297.02	2,649.1	18.7	20.1	408,103.46	558,157.82	32° 7' 18.673 N	104° 8' 43.712 W
2,675.0	1.04	293.33	2,674.1	18.9	19.7	408,103.65	558,157.42	32° 7' 18.674 N	104° 8' 43.717 W
2,700.0	0.92	292.65	2,699.1	19.0	19.3	408,103.82	558,157.02	32° 7' 18.676 N	104° 8' 43.721 W
2,725.0	1.00	292.03	2,724.1	19.2	18.9	408,103.98	558,156.64	32° 7' 18.678 N	104° 8' 43.726 W
2,750.0	1.04	293.46	2,749.1	19.4	18.5	408,104.15	558,156.23	32° 7' 18.679 N	104° 8' 43.730 W
2,775.0	1.03	292.57	2,774.1	19.5	18.1	408,104.33	558,155.81	32° 7' 18.681 N	104° 8' 43.735 W
2,800.0	1.00	291.52	2,799.1	19.7	17.7	408,104.49	558,155.40	32° 7' 18.683 N	104° 8' 43.740 W
2,825.0	1.14	288.91	2,824.1	19.9	17.3	408,104.65	558,154.96	32° 7' 18.684 N	104° 8' 43.745 W
2,850.0	0.99	287.83	2,849.1	20.0	16.8	408,104.80	558,154.52	32° 7' 18.686 N	104° 8' 43.750 W
2,875.0	1.05	285.25	2,874.1	20.1	16.4	408,104.93	558,154.09	32° 7' 18.687 N	104° 8' 43.755 W
2,900.0	1.20	282.20	2,899.1	20.2	15.9	408,105.04	558,153.62	32° 7' 18.688 N	104° 8' 43.761 W
2,925.0	1.14	289.72	2,924.0	20.4	15.4	408,105.18	558,153.13	32° 7' 18.690 N	104° 8' 43.766 W

Survey Report - Geographic

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well DAISY 24 STATE COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Site:	ATLAS	MD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Well:	DAISY 24 STATE COM #503H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
2,950.0	1.13	287.86	2,949.0	20.5	15.0	408,105.34	558,152.66	32° 7' 18.691 N	104° 8' 43.772 W
2,975.0	1.10	284.23	2,974.0	20.7	14.5	408,105.48	558,152.19	32° 7' 18.693 N	104° 8' 43.777 W
3,000.0	1.15	284.66	2,999.0	20.8	14.0	408,105.60	558,151.72	32° 7' 18.694 N	104° 8' 43.783 W
3,025.0	1.12	283.28	3,024.0	20.9	13.5	408,105.72	558,151.24	32° 7' 18.695 N	104° 8' 43.788 W
3,050.0	1.05	277.34	3,049.0	21.0	13.1	408,105.80	558,150.77	32° 7' 18.696 N	104° 8' 43.794 W
3,075.0	1.10	283.47	3,074.0	21.1	12.6	408,105.89	558,150.31	32° 7' 18.697 N	104° 8' 43.799 W
3,100.0	1.11	279.27	3,099.0	21.2	12.1	408,105.98	558,149.84	32° 7' 18.698 N	104° 8' 43.805 W
3,125.0	1.12	275.16	3,124.0	21.2	11.7	408,106.04	558,149.36	32° 7' 18.698 N	104° 8' 43.810 W
3,150.0	1.20	277.18	3,149.0	21.3	11.1	408,106.10	558,148.85	32° 7' 18.699 N	104° 8' 43.816 W
3,175.0	2.07	285.16	3,174.0	21.5	10.5	408,106.25	558,148.16	32° 7' 18.700 N	104° 8' 43.824 W
3,200.0	2.75	287.66	3,199.0	21.8	9.4	408,106.55	558,147.15	32° 7' 18.703 N	104° 8' 43.836 W
3,225.0	2.96	288.31	3,223.9	22.1	8.3	408,106.93	558,145.97	32° 7' 18.707 N	104° 8' 43.850 W
3,250.0	2.94	286.90	3,248.9	22.5	7.0	408,107.32	558,144.74	32° 7' 18.711 N	104° 8' 43.864 W
3,275.0	2.90	288.10	3,273.9	22.9	5.8	408,107.71	558,143.52	32° 7' 18.715 N	104° 8' 43.878 W
3,300.0	3.06	288.25	3,298.8	23.3	4.6	408,108.11	558,142.29	32° 7' 18.719 N	104° 8' 43.892 W
3,325.0	3.04	288.18	3,323.8	23.7	3.3	408,108.53	558,141.03	32° 7' 18.723 N	104° 8' 43.907 W
3,350.0	3.07	287.53	3,348.8	24.1	2.1	408,108.94	558,139.76	32° 7' 18.727 N	104° 8' 43.922 W
3,375.0	3.02	287.77	3,373.7	24.5	0.8	408,109.34	558,138.49	32° 7' 18.731 N	104° 8' 43.937 W
3,400.0	3.02	286.48	3,398.7	24.9	-0.5	408,109.73	558,137.23	32° 7' 18.735 N	104° 8' 43.951 W
3,425.0	3.07	287.64	3,423.7	25.3	-1.7	408,110.12	558,135.96	32° 7' 18.739 N	104° 8' 43.966 W
3,450.0	3.02	287.65	3,448.6	25.7	-3.0	408,110.52	558,134.70	32° 7' 18.743 N	104° 8' 43.981 W
3,475.0	3.26	289.32	3,473.6	26.2	-4.3	408,110.95	558,133.40	32° 7' 18.747 N	104° 8' 43.996 W
3,500.0	3.16	288.03	3,498.6	26.6	-5.6	408,111.40	558,132.07	32° 7' 18.752 N	104° 8' 44.011 W
3,525.0	3.03	288.21	3,523.5	27.0	-6.9	408,111.82	558,130.79	32° 7' 18.756 N	104° 8' 44.026 W
3,550.0	3.05	286.55	3,548.5	27.4	-8.2	408,112.22	558,129.53	32° 7' 18.760 N	104° 8' 44.041 W
3,575.0	3.05	288.12	3,573.4	27.8	-9.4	408,112.61	558,128.26	32° 7' 18.764 N	104° 8' 44.056 W
3,600.0	2.87	283.61	3,598.4	28.2	-10.7	408,112.97	558,127.02	32° 7' 18.767 N	104° 8' 44.070 W
3,625.0	2.98	284.09	3,623.4	28.5	-11.9	408,113.27	558,125.78	32° 7' 18.770 N	104° 8' 44.084 W
3,650.0	2.99	285.03	3,648.3	28.8	-13.2	408,113.60	558,124.52	32° 7' 18.773 N	104° 8' 44.099 W
3,675.0	3.03	284.60	3,673.3	29.1	-14.5	408,113.94	558,123.25	32° 7' 18.777 N	104° 8' 44.114 W
3,700.0	2.82	284.35	3,698.3	29.5	-15.7	408,114.26	558,122.01	32° 7' 18.780 N	104° 8' 44.128 W
3,725.0	2.78	282.36	3,723.2	29.7	-16.9	408,114.54	558,120.83	32° 7' 18.783 N	104° 8' 44.142 W
3,750.0	2.49	276.86	3,748.2	29.9	-18.0	408,114.73	558,119.69	32° 7' 18.785 N	104° 8' 44.155 W
3,775.0	2.81	278.71	3,773.2	30.1	-19.2	408,114.89	558,118.55	32° 7' 18.786 N	104° 8' 44.168 W
3,800.0	2.69	278.48	3,798.2	30.3	-20.3	408,115.07	558,117.36	32° 7' 18.788 N	104° 8' 44.182 W
3,825.0	2.65	277.12	3,823.1	30.4	-21.5	408,115.23	558,116.21	32° 7' 18.790 N	104° 8' 44.196 W
3,850.0	2.69	276.68	3,848.1	30.6	-22.6	408,115.37	558,115.05	32° 7' 18.791 N	104° 8' 44.209 W
3,875.0	2.43	276.88	3,873.1	30.7	-23.8	408,115.50	558,113.94	32° 7' 18.792 N	104° 8' 44.222 W
3,900.0	2.43	274.85	3,898.1	30.8	-24.8	408,115.61	558,112.89	32° 7' 18.794 N	104° 8' 44.234 W
3,925.0	2.51	274.83	3,923.0	30.9	-25.9	408,115.70	558,111.82	32° 7' 18.794 N	104° 8' 44.247 W
3,950.0	2.46	272.47	3,948.0	31.0	-27.0	408,115.77	558,110.74	32° 7' 18.795 N	104° 8' 44.259 W
3,975.0	2.51	272.60	3,973.0	31.0	-28.1	408,115.82	558,109.65	32° 7' 18.796 N	104° 8' 44.272 W
4,000.0	2.40	271.07	3,998.0	31.1	-29.1	408,115.85	558,108.58	32° 7' 18.796 N	104° 8' 44.284 W
4,025.0	2.43	271.62	4,022.9	31.1	-30.2	408,115.88	558,107.53	32° 7' 18.796 N	104° 8' 44.296 W
4,050.0	2.41	269.74	4,047.9	31.1	-31.2	408,115.89	558,106.47	32° 7' 18.796 N	104° 8' 44.309 W
4,075.0	2.42	270.92	4,072.9	31.1	-32.3	408,115.89	558,105.42	32° 7' 18.796 N	104° 8' 44.321 W
4,100.0	2.40	271.08	4,097.9	31.1	-33.3	408,115.91	558,104.37	32° 7' 18.797 N	104° 8' 44.333 W
4,125.0	2.52	271.29	4,122.9	31.1	-34.4	408,115.93	558,103.30	32° 7' 18.797 N	104° 8' 44.346 W
4,150.0	2.53	271.47	4,147.8	31.2	-35.5	408,115.96	558,102.20	32° 7' 18.797 N	104° 8' 44.359 W
4,175.0	2.53	271.36	4,172.8	31.2	-36.6	408,115.99	558,101.09	32° 7' 18.797 N	104° 8' 44.371 W
4,200.0	3.01	276.58	4,197.8	31.3	-37.8	408,116.08	558,099.89	32° 7' 18.798 N	104° 8' 44.385 W
4,225.0	3.85	283.43	4,222.7	31.5	-39.3	408,116.35	558,098.42	32° 7' 18.801 N	104° 8' 44.402 W
4,250.0	4.06	284.99	4,247.7	32.0	-41.0	408,116.77	558,096.75	32° 7' 18.805 N	104° 8' 44.422 W

Survey Report - Geographic

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well DAISY 24 STATE COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Site:	ATLAS	MD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Well:	DAISY 24 STATE COM #503H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,275.0	4.13	285.43	4,272.6	32.4	-42.7	408,117.24	558,095.03	32° 7' 18.810 N	104° 8' 44.442 W
4,300.0	4.04	285.95	4,297.5	32.9	-44.4	408,117.72	558,093.31	32° 7' 18.815 N	104° 8' 44.462 W
4,325.0	4.11	285.87	4,322.5	33.4	-46.1	408,118.21	558,091.60	32° 7' 18.820 N	104° 8' 44.482 W
4,350.0	4.30	281.78	4,347.4	33.8	-47.9	408,118.64	558,089.82	32° 7' 18.824 N	104° 8' 44.502 W
4,375.0	4.03	283.45	4,372.4	34.2	-49.7	408,119.04	558,088.05	32° 7' 18.828 N	104° 8' 44.523 W
4,400.0	3.88	283.74	4,397.3	34.6	-51.3	408,119.44	558,086.38	32° 7' 18.832 N	104° 8' 44.542 W
4,425.0	3.85	282.15	4,422.2	35.0	-53.0	408,119.82	558,084.73	32° 7' 18.836 N	104° 8' 44.561 W
4,450.0	3.61	282.95	4,447.2	35.4	-54.6	408,120.18	558,083.15	32° 7' 18.839 N	104° 8' 44.580 W
4,475.0	3.54	282.54	4,472.1	35.7	-56.1	408,120.52	558,081.63	32° 7' 18.843 N	104° 8' 44.598 W
4,500.0	3.29	282.00	4,497.1	36.0	-57.5	408,120.84	558,080.17	32° 7' 18.846 N	104° 8' 44.615 W
4,525.0	3.29	282.25	4,522.0	36.3	-58.9	408,121.14	558,078.77	32° 7' 18.849 N	104° 8' 44.631 W
4,550.0	3.37	280.27	4,547.0	36.6	-60.4	408,121.42	558,077.34	32° 7' 18.852 N	104° 8' 44.647 W
4,575.0	3.27	279.31	4,572.0	36.9	-61.8	408,121.67	558,075.92	32° 7' 18.854 N	104° 8' 44.664 W
4,600.0	3.20	279.67	4,596.9	37.1	-63.2	408,121.90	558,074.53	32° 7' 18.856 N	104° 8' 44.680 W
4,625.0	3.21	278.60	4,621.9	37.3	-64.6	408,122.12	558,073.15	32° 7' 18.859 N	104° 8' 44.696 W
4,650.0	3.05	278.28	4,646.8	37.5	-65.9	408,122.32	558,071.80	32° 7' 18.861 N	104° 8' 44.712 W
4,675.0	2.94	278.69	4,671.8	37.7	-67.2	408,122.51	558,070.50	32° 7' 18.863 N	104° 8' 44.727 W
4,700.0	2.90	277.97	4,696.8	37.9	-68.5	408,122.70	558,069.24	32° 7' 18.864 N	104° 8' 44.742 W
4,725.0	2.58	277.81	4,721.8	38.1	-69.6	408,122.86	558,068.06	32° 7' 18.866 N	104° 8' 44.755 W
4,750.0	2.42	280.19	4,746.7	38.2	-70.7	408,123.03	558,066.98	32° 7' 18.868 N	104° 8' 44.768 W
4,775.0	2.05	290.98	4,771.7	38.5	-71.7	408,123.29	558,066.05	32° 7' 18.870 N	104° 8' 44.779 W
4,800.0	1.84	300.10	4,796.7	38.8	-72.4	408,123.65	558,065.28	32° 7' 18.874 N	104° 8' 44.788 W
4,825.0	1.82	305.38	4,821.7	39.3	-73.1	408,124.08	558,064.61	32° 7' 18.878 N	104° 8' 44.795 W
4,850.0	2.04	305.23	4,846.7	39.8	-73.8	408,124.57	558,063.92	32° 7' 18.883 N	104° 8' 44.803 W
4,875.0	3.22	317.45	4,871.6	40.5	-74.6	408,125.34	558,063.08	32° 7' 18.891 N	104° 8' 44.813 W
4,900.0	4.01	323.52	4,896.6	41.8	-75.6	408,126.56	558,062.09	32° 7' 18.903 N	104° 8' 44.825 W
4,925.0	4.17	324.12	4,921.5	43.2	-76.7	408,128.00	558,061.04	32° 7' 18.917 N	104° 8' 44.837 W
4,950.0	4.22	325.42	4,946.5	44.7	-77.7	408,129.49	558,059.98	32° 7' 18.932 N	104° 8' 44.849 W
4,975.0	4.19	325.49	4,971.4	46.2	-78.8	408,131.00	558,058.94	32° 7' 18.947 N	104° 8' 44.861 W
5,000.0	4.14	325.93	4,996.3	47.7	-79.8	408,132.50	558,057.92	32° 7' 18.962 N	104° 8' 44.873 W
5,025.0	4.12	326.54	5,021.3	49.2	-80.8	408,134.00	558,056.92	32° 7' 18.976 N	104° 8' 44.885 W
5,050.0	4.14	325.08	5,046.2	50.7	-81.8	408,135.49	558,055.91	32° 7' 18.991 N	104° 8' 44.896 W
5,075.0	4.16	326.06	5,071.1	52.2	-82.8	408,136.98	558,054.88	32° 7' 19.006 N	104° 8' 44.908 W
5,100.0	4.15	325.84	5,096.1	53.7	-83.8	408,138.48	558,053.87	32° 7' 19.021 N	104° 8' 44.920 W
5,125.0	4.08	326.44	5,121.0	55.2	-84.8	408,139.97	558,052.87	32° 7' 19.036 N	104° 8' 44.932 W
5,150.0	4.07	327.11	5,145.9	56.7	-85.8	408,141.46	558,051.90	32° 7' 19.050 N	104° 8' 44.943 W
5,175.0	4.09	326.62	5,170.9	58.1	-86.8	408,142.95	558,050.93	32° 7' 19.065 N	104° 8' 44.954 W
5,200.0	4.04	326.86	5,195.8	59.6	-87.7	408,144.43	558,049.95	32° 7' 19.080 N	104° 8' 44.965 W
5,225.0	4.08	325.90	5,220.8	61.1	-88.7	408,145.90	558,048.97	32° 7' 19.094 N	104° 8' 44.977 W
5,250.0	4.05	325.92	5,245.7	62.6	-89.7	408,147.37	558,047.98	32° 7' 19.109 N	104° 8' 44.988 W
5,275.0	4.08	324.95	5,270.6	64.0	-90.7	408,148.83	558,046.97	32° 7' 19.123 N	104° 8' 45.000 W
5,300.0	4.05	323.09	5,295.6	65.5	-91.8	408,150.26	558,045.93	32° 7' 19.138 N	104° 8' 45.012 W
5,325.0	4.01	322.33	5,320.5	66.9	-92.8	408,151.66	558,044.87	32° 7' 19.151 N	104° 8' 45.024 W
5,350.0	3.98	324.98	5,345.4	68.3	-93.9	408,153.06	558,043.84	32° 7' 19.165 N	104° 8' 45.036 W
5,375.0	3.93	321.81	5,370.4	69.6	-94.9	408,154.45	558,042.81	32° 7' 19.179 N	104° 8' 45.048 W
5,400.0	3.90	322.60	5,395.3	71.0	-95.9	408,155.80	558,041.76	32° 7' 19.192 N	104° 8' 45.060 W
5,425.0	3.84	322.89	5,420.3	72.3	-97.0	408,157.14	558,040.74	32° 7' 19.206 N	104° 8' 45.072 W
5,450.0	3.83	319.96	5,445.2	73.6	-98.0	408,158.45	558,039.70	32° 7' 19.219 N	104° 8' 45.084 W
5,475.0	3.69	320.00	5,470.2	74.9	-99.1	408,159.70	558,038.65	32° 7' 19.231 N	104° 8' 45.097 W
5,500.0	4.02	310.78	5,495.1	76.1	-100.2	408,160.89	558,037.46	32° 7' 19.243 N	104° 8' 45.110 W
5,525.0	4.08	307.83	5,520.0	77.2	-101.6	408,162.01	558,036.10	32° 7' 19.254 N	104° 8' 45.126 W
5,550.0	4.47	302.66	5,545.0	78.3	-103.1	408,163.08	558,034.58	32° 7' 19.265 N	104° 8' 45.144 W
5,575.0	4.56	301.17	5,569.9	79.3	-104.8	408,164.12	558,032.91	32° 7' 19.275 N	104° 8' 45.163 W

Survey Report - Geographic

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well DAISY 24 STATE COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Site:	ATLAS	MD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Well:	DAISY 24 STATE COM #503H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,600.0	4.68	299.51	5,594.8	80.3	-106.5	408,165.14	558,031.17	32° 7' 19.285 N	104° 8' 45.183 W
5,625.0	4.64	299.66	5,619.7	81.3	-108.3	408,166.14	558,029.40	32° 7' 19.295 N	104° 8' 45.204 W
5,650.0	4.66	299.48	5,644.6	82.3	-110.1	408,167.14	558,027.64	32° 7' 19.305 N	104° 8' 45.224 W
5,675.0	4.65	298.20	5,669.6	83.3	-111.8	408,168.12	558,025.86	32° 7' 19.315 N	104° 8' 45.245 W
5,700.0	4.55	298.76	5,694.5	84.3	-113.6	408,169.07	558,024.10	32° 7' 19.324 N	104° 8' 45.266 W
5,725.0	4.62	296.97	5,719.4	85.2	-115.4	408,170.01	558,022.33	32° 7' 19.333 N	104° 8' 45.286 W
5,750.0	4.49	298.53	5,744.3	86.1	-117.1	408,170.93	558,020.58	32° 7' 19.343 N	104° 8' 45.307 W
5,775.0	4.37	298.37	5,769.2	87.1	-118.8	408,171.85	558,018.88	32° 7' 19.352 N	104° 8' 45.326 W
5,800.0	4.29	296.78	5,794.2	87.9	-120.5	408,172.73	558,017.21	32° 7' 19.360 N	104° 8' 45.346 W
5,825.0	4.17	297.55	5,819.1	88.8	-122.1	408,173.57	558,015.56	32° 7' 19.369 N	104° 8' 45.365 W
5,850.0	4.10	296.72	5,844.0	89.6	-123.7	408,174.39	558,013.96	32° 7' 19.377 N	104° 8' 45.383 W
5,875.0	4.06	297.22	5,869.0	90.4	-125.3	408,175.20	558,012.37	32° 7' 19.385 N	104° 8' 45.402 W
5,900.0	3.97	296.00	5,893.9	91.2	-126.9	408,175.98	558,010.81	32° 7' 19.393 N	104° 8' 45.420 W
5,925.0	3.85	295.81	5,918.9	91.9	-128.4	408,176.73	558,009.28	32° 7' 19.400 N	104° 8' 45.438 W
5,950.0	3.86	293.59	5,943.8	92.6	-130.0	408,177.43	558,007.75	32° 7' 19.407 N	104° 8' 45.456 W
5,975.0	3.89	294.37	5,968.7	93.3	-131.5	408,178.11	558,006.21	32° 7' 19.414 N	104° 8' 45.473 W
6,000.0	4.34	294.18	5,993.7	94.1	-133.1	408,178.85	558,004.57	32° 7' 19.421 N	104° 8' 45.492 W
6,025.0	4.58	296.00	6,018.6	94.9	-134.9	408,179.68	558,002.81	32° 7' 19.429 N	104° 8' 45.513 W
6,050.0	4.59	295.82	6,043.5	95.8	-136.7	408,180.55	558,001.01	32° 7' 19.438 N	104° 8' 45.534 W
6,075.0	4.35	295.02	6,068.4	96.6	-138.4	408,181.39	557,999.25	32° 7' 19.446 N	104° 8' 45.554 W
6,100.0	4.17	294.33	6,093.4	97.4	-140.1	408,182.16	557,997.57	32° 7' 19.454 N	104° 8' 45.574 W
6,125.0	3.85	293.72	6,118.3	98.1	-141.7	408,182.87	557,995.97	32° 7' 19.461 N	104° 8' 45.592 W
6,150.0	3.72	295.20	6,143.3	98.8	-143.2	408,183.56	557,994.47	32° 7' 19.468 N	104° 8' 45.610 W
6,175.0	3.80	297.41	6,168.2	99.5	-144.7	408,184.28	557,993.00	32° 7' 19.475 N	104° 8' 45.627 W
6,200.0	3.95	298.58	6,193.2	100.3	-146.2	408,185.08	557,991.51	32° 7' 19.483 N	104° 8' 45.644 W
6,225.0	4.10	296.90	6,218.1	101.1	-147.7	408,185.89	557,989.95	32° 7' 19.491 N	104° 8' 45.662 W
6,250.0	4.13	296.88	6,243.0	101.9	-149.3	408,186.70	557,988.35	32° 7' 19.499 N	104° 8' 45.681 W
6,275.0	4.12	299.58	6,268.0	102.8	-150.9	408,187.55	557,986.77	32° 7' 19.508 N	104° 8' 45.699 W
6,300.0	4.20	299.63	6,292.9	103.7	-152.5	408,188.45	557,985.19	32° 7' 19.517 N	104° 8' 45.718 W
6,325.0	4.08	299.07	6,317.8	104.5	-154.1	408,189.34	557,983.62	32° 7' 19.525 N	104° 8' 45.736 W
6,350.0	3.58	299.76	6,342.8	105.4	-155.5	408,190.15	557,982.16	32° 7' 19.534 N	104° 8' 45.753 W
6,375.0	3.25	298.77	6,367.7	106.1	-156.8	408,190.88	557,980.87	32° 7' 19.541 N	104° 8' 45.768 W
6,400.0	2.90	299.33	6,392.7	106.7	-158.0	408,191.53	557,979.69	32° 7' 19.547 N	104° 8' 45.781 W
6,425.0	2.59	298.37	6,417.7	107.3	-159.1	408,192.11	557,978.65	32° 7' 19.553 N	104° 8' 45.794 W
6,450.0	2.75	300.78	6,442.6	107.9	-160.1	408,192.69	557,977.63	32° 7' 19.559 N	104° 8' 45.805 W
6,475.0	3.28	300.68	6,467.6	108.6	-161.2	408,193.36	557,976.50	32° 7' 19.565 N	104° 8' 45.819 W
6,500.0	3.84	301.83	6,492.6	109.4	-162.5	408,194.17	557,975.18	32° 7' 19.573 N	104° 8' 45.834 W
6,525.0	3.87	300.82	6,517.5	110.2	-164.0	408,195.04	557,973.74	32° 7' 19.582 N	104° 8' 45.851 W
6,550.0	3.97	301.05	6,542.4	111.1	-165.4	408,195.92	557,972.27	32° 7' 19.591 N	104° 8' 45.868 W
6,575.0	4.19	303.99	6,567.4	112.1	-166.9	408,196.88	557,970.78	32° 7' 19.600 N	104° 8' 45.885 W
6,600.0	4.28	305.23	6,592.3	113.1	-168.4	408,197.92	557,969.26	32° 7' 19.611 N	104° 8' 45.903 W
6,625.0	4.25	305.11	6,617.2	114.2	-170.0	408,199.00	557,967.74	32° 7' 19.621 N	104° 8' 45.920 W
6,650.0	4.40	304.62	6,642.2	115.3	-171.5	408,200.07	557,966.19	32° 7' 19.632 N	104° 8' 45.938 W
6,675.0	4.90	305.67	6,667.1	116.4	-173.2	408,201.24	557,964.53	32° 7' 19.644 N	104° 8' 45.958 W
6,700.0	5.02	307.64	6,692.0	117.7	-174.9	408,202.53	557,962.80	32° 7' 19.656 N	104° 8' 45.978 W
6,725.0	4.95	311.44	6,716.9	119.1	-176.6	408,203.91	557,961.12	32° 7' 19.670 N	104° 8' 45.997 W
6,750.0	4.65	312.36	6,741.8	120.5	-178.1	408,205.31	557,959.57	32° 7' 19.684 N	104° 8' 46.015 W
6,775.0	4.36	315.56	6,766.7	121.9	-179.5	408,206.67	557,958.15	32° 7' 19.697 N	104° 8' 46.032 W
6,800.0	3.93	317.50	6,791.7	123.2	-180.8	408,207.98	557,956.91	32° 7' 19.710 N	104° 8' 46.046 W
6,825.0	4.26	323.31	6,816.6	124.6	-181.9	408,209.36	557,955.78	32° 7' 19.724 N	104° 8' 46.059 W
6,850.0	4.97	325.45	6,841.5	126.2	-183.1	408,210.99	557,954.61	32° 7' 19.740 N	104° 8' 46.073 W
6,875.0	5.82	326.50	6,866.4	128.1	-184.4	408,212.94	557,953.29	32° 7' 19.760 N	104° 8' 46.088 W
6,900.0	6.17	325.47	6,891.3	130.3	-185.9	408,215.11	557,951.83	32° 7' 19.781 N	104° 8' 46.105 W

Survey Report - Geographic

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well DAISY 24 STATE COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Site:	ATLAS	MD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Well:	DAISY 24 STATE COM #503H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,925.0	6.10	325.17	6,916.1	132.5	-187.4	408,217.30	557,950.31	32° 7' 19.803 N	104° 8' 46.123 W
6,950.0	5.94	327.01	6,941.0	134.7	-188.9	408,219.48	557,948.85	32° 7' 19.824 N	104° 8' 46.140 W
6,955.0	6.01	325.00	6,946.0	135.1	-189.1	408,219.91	557,948.56	32° 7' 19.829 N	104° 8' 46.143 W
7,024.0	5.27	326.31	7,014.6	140.7	-193.0	408,225.51	557,944.73	32° 7' 19.884 N	104° 8' 46.187 W
First MWD Svy									
7,117.0	4.02	284.14	7,107.4	145.1	-198.5	408,229.86	557,939.20	32° 7' 19.927 N	104° 8' 46.252 W
7,148.0	6.74	244.98	7,138.2	144.6	-201.2	408,229.35	557,936.49	32° 7' 19.922 N	104° 8' 46.283 W
7,211.0	14.77	227.00	7,200.1	137.5	-210.5	408,222.30	557,927.25	32° 7' 19.853 N	104° 8' 46.391 W
7,258.0	20.35	224.95	7,244.9	127.6	-220.6	408,212.42	557,917.09	32° 7' 19.755 N	104° 8' 46.509 W
7,304.0	23.67	219.86	7,287.5	114.9	-232.2	408,199.67	557,905.52	32° 7' 19.629 N	104° 8' 46.644 W
7,351.0	26.14	204.43	7,330.2	98.2	-242.5	408,182.98	557,895.17	32° 7' 19.464 N	104° 8' 46.764 W
7,397.0	28.53	192.27	7,371.1	78.2	-249.1	408,163.00	557,888.64	32° 7' 19.266 N	104° 8' 46.841 W
7,444.0	30.20	189.75	7,412.0	55.6	-253.4	408,140.38	557,884.25	32° 7' 19.043 N	104° 8' 46.892 W
7,490.0	33.68	192.53	7,451.1	31.7	-258.2	408,116.52	557,879.53	32° 7' 18.807 N	104° 8' 46.948 W
7,537.0	40.34	191.10	7,488.6	4.0	-263.9	408,088.84	557,873.76	32° 7' 18.533 N	104° 8' 47.015 W
7,583.0	43.94	190.45	7,522.7	-26.3	-269.7	408,058.52	557,868.00	32° 7' 18.233 N	104° 8' 47.083 W
7,630.0	44.03	188.74	7,556.5	-58.5	-275.1	408,026.34	557,862.56	32° 7' 17.914 N	104° 8' 47.147 W
7,677.0	45.59	186.42	7,589.9	-91.3	-279.5	407,993.51	557,858.20	32° 7' 17.590 N	104° 8' 47.198 W
7,724.0	49.94	185.26	7,621.4	-125.9	-283.0	407,958.90	557,854.67	32° 7' 17.247 N	104° 8' 47.240 W
7,770.0	56.32	185.14	7,649.0	-162.5	-286.4	407,922.27	557,851.34	32° 7' 16.885 N	104° 8' 47.279 W
7,817.0	63.58	185.48	7,672.5	-203.0	-290.1	407,881.79	557,847.58	32° 7' 16.484 N	104° 8' 47.324 W
7,863.0	67.24	185.95	7,691.7	-244.6	-294.3	407,840.18	557,843.41	32° 7' 16.072 N	104° 8' 47.373 W
7,910.0	69.89	186.76	7,708.9	-288.1	-299.1	407,796.70	557,838.56	32° 7' 15.642 N	104° 8' 47.431 W
7,957.0	73.17	190.86	7,723.8	-332.1	-306.0	407,752.67	557,831.72	32° 7' 15.207 N	104° 8' 47.511 W
8,004.0	79.89	187.61	7,734.7	-377.2	-313.3	407,707.58	557,824.41	32° 7' 14.760 N	104° 8' 47.597 W
8,051.0	83.91	185.72	7,741.3	-423.4	-318.7	407,661.38	557,819.02	32° 7' 14.303 N	104° 8' 47.661 W
8,081.0	87.79	185.22	7,743.5	-453.2	-321.5	407,631.60	557,816.16	32° 7' 14.009 N	104° 8' 47.694 W
8,175.0	91.60	183.85	7,744.0	-546.9	-329.0	407,537.92	557,808.73	32° 7' 13.082 N	104° 8' 47.783 W
8,269.0	92.35	183.68	7,740.7	-640.6	-335.1	407,444.17	557,802.57	32° 7' 12.154 N	104° 8' 47.856 W
8,363.0	90.50	180.34	7,738.4	-734.5	-338.4	407,350.28	557,799.27	32° 7' 11.225 N	104° 8' 47.896 W
8,457.0	90.34	179.28	7,737.7	-828.5	-338.1	407,256.28	557,799.58	32° 7' 10.295 N	104° 8' 47.895 W
8,551.0	91.09	178.79	7,736.5	-922.5	-336.5	407,162.30	557,801.17	32° 7' 9.365 N	104° 8' 47.878 W
8,645.0	89.33	177.78	7,736.2	-1,016.4	-333.7	407,068.35	557,803.98	32° 7' 8.435 N	104° 8' 47.847 W
8,739.0	90.08	178.27	7,736.7	-1,110.4	-330.5	406,974.41	557,807.22	32° 7' 7.505 N	104° 8' 47.812 W
8,833.0	90.92	178.29	7,735.9	-1,204.3	-327.7	406,880.46	557,810.04	32° 7' 6.575 N	104° 8' 47.781 W
8,926.0	91.85	178.14	7,733.6	-1,297.3	-324.8	406,787.53	557,812.94	32° 7' 5.655 N	104° 8' 47.749 W
9,019.0	89.83	177.58	7,732.3	-1,390.2	-321.3	406,694.61	557,816.41	32° 7' 4.736 N	104° 8' 47.710 W
9,113.0	89.80	177.40	7,732.6	-1,484.1	-317.2	406,600.70	557,820.52	32° 7' 3.806 N	104° 8' 47.664 W
9,206.0	90.62	177.68	7,732.2	-1,577.0	-313.2	406,507.79	557,824.52	32° 7' 2.887 N	104° 8' 47.620 W
9,299.0	88.29	178.05	7,733.1	-1,669.9	-309.7	406,414.86	557,827.98	32° 7' 1.967 N	104° 8' 47.581 W
9,392.0	88.26	177.33	7,735.9	-1,762.8	-306.0	406,321.98	557,831.73	32° 7' 1.048 N	104° 8' 47.540 W
9,485.0	89.30	177.63	7,737.9	-1,855.7	-301.9	406,229.09	557,835.82	32° 7' 0.128 N	104° 8' 47.494 W
9,579.0	90.06	177.78	7,738.4	-1,949.6	-298.1	406,135.17	557,839.58	32° 6' 59.199 N	104° 8' 47.452 W
9,672.0	90.98	178.15	7,737.6	-2,042.6	-294.8	406,042.24	557,842.88	32° 6' 58.279 N	104° 8' 47.416 W
9,768.0	91.79	179.02	7,735.2	-2,138.5	-292.5	405,946.29	557,845.25	32° 6' 57.330 N	104° 8' 47.390 W
9,862.0	90.48	178.59	7,733.4	-2,232.5	-290.5	405,852.34	557,847.21	32° 6' 56.400 N	104° 8' 47.369 W
9,956.0	90.06	177.96	7,732.9	-2,326.4	-287.7	405,758.38	557,850.04	32° 6' 55.470 N	104° 8' 47.338 W
10,049.0	88.37	179.40	7,734.2	-2,419.4	-285.5	405,665.42	557,852.18	32° 6' 54.550 N	104° 8' 47.315 W
10,143.0	89.13	179.77	7,736.3	-2,513.4	-284.8	405,571.45	557,852.86	32° 6' 53.620 N	104° 8' 47.309 W
10,237.0	90.22	180.96	7,736.8	-2,607.3	-285.4	405,477.45	557,852.27	32° 6' 52.689 N	104° 8' 47.318 W
10,331.0	90.31	179.60	7,736.4	-2,701.3	-285.9	405,383.46	557,851.81	32° 6' 51.759 N	104° 8' 47.325 W
10,425.0	90.76	179.51	7,735.5	-2,795.3	-285.2	405,289.46	557,852.54	32° 6' 50.829 N	104° 8' 47.319 W
10,519.0	88.32	178.57	7,736.2	-2,889.3	-283.6	405,195.49	557,854.11	32° 6' 49.899 N	104° 8' 47.302 W

Survey Report - Geographic

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well DAISY 24 STATE COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Site:	ATLAS	MD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Well:	DAISY 24 STATE COM #503H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,613.0	88.57	177.90	7,738.8	-2,983.2	-280.7	405,101.57	557,857.00	32° 6' 48.969 N	104° 8' 47.270 W
10,706.0	89.47	178.26	7,740.4	-3,076.2	-277.6	405,008.63	557,860.12	32° 6' 48.050 N	104° 8' 47.236 W
10,800.0	90.45	179.24	7,740.4	-3,170.1	-275.5	404,914.66	557,862.17	32° 6' 47.120 N	104° 8' 47.214 W
10,894.0	91.29	179.24	7,739.0	-3,264.1	-274.3	404,820.68	557,863.42	32° 6' 46.190 N	104° 8' 47.202 W
10,988.0	90.03	179.06	7,737.9	-3,358.1	-272.9	404,726.70	557,864.81	32° 6' 45.259 N	104° 8' 47.187 W
11,082.0	88.37	180.45	7,739.2	-3,452.1	-272.5	404,632.71	557,865.21	32° 6' 44.329 N	104° 8' 47.184 W
11,176.0	88.91	180.64	7,741.5	-3,546.1	-273.4	404,538.74	557,864.32	32° 6' 43.399 N	104° 8' 47.197 W
11,270.0	89.44	180.18	7,742.8	-3,640.0	-274.1	404,444.76	557,863.65	32° 6' 42.469 N	104° 8' 47.206 W
11,363.0	90.81	181.30	7,742.6	-3,733.0	-275.3	404,351.77	557,862.45	32° 6' 41.549 N	104° 8' 47.222 W
11,457.0	91.60	180.89	7,740.7	-3,827.0	-277.1	404,257.81	557,860.65	32° 6' 40.619 N	104° 8' 47.245 W
11,551.0	91.77	179.63	7,737.9	-3,920.9	-277.5	404,163.85	557,860.22	32° 6' 39.689 N	104° 8' 47.252 W
11,645.0	92.80	179.96	7,734.1	-4,014.9	-277.1	404,069.93	557,860.56	32° 6' 38.760 N	104° 8' 47.250 W
11,739.0	90.03	179.26	7,731.8	-4,108.8	-276.5	403,975.97	557,861.20	32° 6' 37.830 N	104° 8' 47.244 W
11,833.0	90.31	179.12	7,731.5	-4,202.8	-275.2	403,881.98	557,862.53	32° 6' 36.900 N	104° 8' 47.231 W
11,927.0	91.04	179.38	7,730.4	-4,296.8	-273.9	403,787.99	557,863.76	32° 6' 35.970 N	104° 8' 47.218 W
12,021.0	88.77	178.75	7,730.6	-4,390.8	-272.4	403,694.01	557,865.29	32° 6' 35.039 N	104° 8' 47.202 W
12,114.0	89.13	179.10	7,732.3	-4,483.8	-270.7	403,601.05	557,867.04	32° 6' 34.119 N	104° 8' 47.184 W
12,208.0	89.64	178.74	7,733.3	-4,577.7	-268.9	403,507.07	557,868.81	32° 6' 33.189 N	104° 8' 47.165 W
12,302.0	90.95	179.46	7,732.8	-4,671.7	-267.4	403,413.08	557,870.29	32° 6' 32.259 N	104° 8' 47.150 W
12,396.0	91.91	179.94	7,730.5	-4,765.7	-266.9	403,319.12	557,870.78	32° 6' 31.329 N	104° 8' 47.146 W
12,489.0	89.94	179.15	7,729.0	-4,858.7	-266.2	403,226.14	557,871.52	32° 6' 30.409 N	104° 8' 47.140 W
12,583.0	90.70	179.54	7,728.4	-4,952.7	-265.1	403,132.14	557,872.59	32° 6' 29.479 N	104° 8' 47.129 W
12,677.0	91.74	180.33	7,726.4	-5,046.6	-265.0	403,038.17	557,872.70	32° 6' 28.549 N	104° 8' 47.130 W
12,771.0	89.97	179.60	7,725.0	-5,140.6	-264.9	402,944.18	557,872.76	32° 6' 27.619 N	104° 8' 47.131 W
12,868.4	91.04	177.34	7,724.2	-5,238.0	-262.3	402,846.85	557,875.35	32° 6' 26.655 N	104° 8' 47.103 W
12,958.0	89.50	178.31	7,723.8	-5,327.5	-258.9	402,757.30	557,878.76	32° 6' 25.769 N	104° 8' 47.065 W
13,052.0	89.94	177.69	7,724.2	-5,421.4	-255.7	402,663.36	557,882.04	32° 6' 24.839 N	104° 8' 47.029 W
13,146.0	89.27	176.71	7,724.9	-5,515.3	-251.1	402,569.47	557,886.63	32° 6' 23.910 N	104° 8' 46.977 W
13,240.0	89.80	178.23	7,725.6	-5,609.2	-246.9	402,475.57	557,890.78	32° 6' 22.981 N	104° 8' 46.931 W
13,334.0	91.76	181.18	7,724.4	-5,703.2	-246.4	402,381.60	557,891.26	32° 6' 22.051 N	104° 8' 46.927 W
13,428.0	91.01	179.73	7,722.1	-5,797.2	-247.2	402,287.63	557,890.52	32° 6' 21.121 N	104° 8' 46.938 W
13,522.0	92.33	180.05	7,719.3	-5,891.1	-247.0	402,193.67	557,890.70	32° 6' 20.191 N	104° 8' 46.937 W
13,615.0	90.98	179.58	7,716.7	-5,984.1	-246.7	402,100.71	557,891.00	32° 6' 19.271 N	104° 8' 46.936 W
13,709.0	90.90	178.80	7,715.1	-6,078.1	-245.4	402,006.74	557,892.32	32° 6' 18.341 N	104° 8' 46.922 W
13,803.0	92.35	179.13	7,712.4	-6,172.0	-243.7	401,912.79	557,894.02	32° 6' 17.411 N	104° 8' 46.904 W
13,897.0	89.64	180.08	7,710.8	-6,266.0	-243.0	401,818.82	557,894.67	32° 6' 16.481 N	104° 8' 46.899 W
13,991.0	90.00	179.97	7,711.1	-6,360.0	-243.1	401,724.82	557,894.63	32° 6' 15.551 N	104° 8' 46.901 W
14,085.0	91.40	180.64	7,710.0	-6,454.0	-243.6	401,630.83	557,894.13	32° 6' 14.621 N	104° 8' 46.909 W
14,179.0	89.02	180.35	7,709.6	-6,548.0	-244.4	401,536.84	557,893.32	32° 6' 13.690 N	104° 8' 46.920 W
14,273.0	89.44	180.54	7,710.9	-6,641.9	-245.1	401,442.85	557,892.59	32° 6' 12.760 N	104° 8' 46.931 W
14,366.0	90.28	180.90	7,711.1	-6,734.9	-246.3	401,349.86	557,891.42	32° 6' 11.840 N	104° 8' 46.946 W
14,460.0	89.69	179.82	7,711.1	-6,828.9	-246.9	401,255.86	557,890.83	32° 6' 10.910 N	104° 8' 46.955 W
14,554.0	91.34	180.39	7,710.3	-6,922.9	-247.0	401,161.87	557,890.65	32° 6' 9.980 N	104° 8' 46.959 W
14,648.0	91.12	178.70	7,708.3	-7,016.9	-246.3	401,067.90	557,891.40	32° 6' 9.050 N	104° 8' 46.952 W
14,742.0	91.43	178.27	7,706.2	-7,110.8	-243.8	400,973.96	557,893.89	32° 6' 8.120 N	104° 8' 46.925 W
14,836.0	89.22	178.25	7,705.6	-7,204.8	-241.0	400,880.01	557,896.74	32° 6' 7.190 N	104° 8' 46.894 W
14,930.0	89.19	178.43	7,706.9	-7,298.7	-238.2	400,786.06	557,899.46	32° 6' 6.260 N	104° 8' 46.864 W
15,024.0	90.03	178.80	7,707.6	-7,392.7	-236.0	400,692.09	557,901.73	32° 6' 5.330 N	104° 8' 46.839 W
15,117.0	91.01	179.06	7,706.7	-7,485.7	-234.2	400,599.11	557,903.47	32° 6' 4.410 N	104° 8' 46.821 W
15,211.0	88.91	177.62	7,706.8	-7,579.6	-231.5	400,505.16	557,906.19	32° 6' 3.480 N	104° 8' 46.791 W
15,305.0	90.22	179.48	7,707.5	-7,673.6	-229.1	400,411.19	557,908.57	32° 6' 2.550 N	104° 8' 46.765 W
15,399.0	89.30	177.81	7,707.9	-7,767.6	-226.9	400,317.23	557,910.79	32° 6' 1.620 N	104° 8' 46.742 W
15,493.0	89.75	177.68	7,708.7	-7,861.5	-223.2	400,223.30	557,914.49	32° 6' 0.691 N	104° 8' 46.700 W

Survey Report - Geographic

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well DAISY 24 STATE COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Site:	ATLAS	MD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Well:	DAISY 24 STATE COM #503H	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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,587.0	90.78	178.25	7,708.3	-7,955.4	-219.9	400,129.36	557,917.83	32° 5' 59.761 N	104° 8' 46.664 W
15,680.0	89.44	178.65	7,708.1	-8,048.4	-217.4	400,036.40	557,920.35	32° 5' 58.841 N	104° 8' 46.636 W
15,774.0	90.03	179.04	7,708.5	-8,142.4	-215.5	399,942.42	557,922.24	32° 5' 57.911 N	104° 8' 46.616 W
15,868.0	87.81	179.44	7,710.3	-8,236.3	-214.2	399,848.45	557,923.49	32° 5' 56.981 N	104° 8' 46.603 W
15,962.0	88.26	179.48	7,713.5	-8,330.3	-213.3	399,754.51	557,924.37	32° 5' 56.051 N	104° 8' 46.595 W
16,056.0	89.80	180.28	7,715.1	-8,424.3	-213.1	399,660.53	557,924.57	32° 5' 55.121 N	104° 8' 46.595 W
16,150.0	91.79	181.23	7,713.8	-8,518.2	-214.4	399,566.55	557,923.33	32° 5' 54.191 N	104° 8' 46.611 W
16,244.0	90.39	179.69	7,712.0	-8,612.2	-215.1	399,472.58	557,922.58	32° 5' 53.261 N	104° 8' 46.622 W
16,338.0	90.56	179.42	7,711.2	-8,706.2	-214.4	399,378.58	557,923.31	32° 5' 52.331 N	104° 8' 46.615 W
16,432.0	91.40	179.67	7,709.6	-8,800.2	-213.6	399,284.60	557,924.05	32° 5' 51.401 N	104° 8' 46.608 W
16,525.0	90.22	179.22	7,708.3	-8,893.2	-212.7	399,191.62	557,924.95	32° 5' 50.480 N	104° 8' 46.600 W
16,619.0	91.12	179.65	7,707.2	-8,987.2	-211.8	399,097.63	557,925.88	32° 5' 49.550 N	104° 8' 46.591 W
16,713.0	89.44	178.57	7,706.8	-9,081.2	-210.4	399,003.65	557,927.34	32° 5' 48.620 N	104° 8' 46.576 W
16,807.0	90.17	179.03	7,707.1	-9,175.1	-208.4	398,909.67	557,929.31	32° 5' 47.690 N	104° 8' 46.555 W
16,901.0	90.00	179.78	7,706.9	-9,269.1	-207.4	398,815.67	557,930.29	32° 5' 46.760 N	104° 8' 46.545 W
16,995.0	90.67	180.35	7,706.4	-9,363.1	-207.5	398,721.68	557,930.18	32° 5' 45.829 N	104° 8' 46.548 W
17,089.0	89.78	180.68	7,706.0	-9,457.1	-208.4	398,627.68	557,929.33	32° 5' 44.899 N	104° 8' 46.560 W
17,183.0	90.81	181.59	7,705.5	-9,551.1	-210.2	398,533.70	557,927.47	32° 5' 43.969 N	104° 8' 46.584 W
17,277.0	88.96	180.60	7,705.7	-9,645.1	-212.0	398,439.73	557,925.68	32° 5' 43.039 N	104° 8' 46.606 W
17,370.0	89.05	180.69	7,707.3	-9,738.1	-213.1	398,346.75	557,924.63	32° 5' 42.119 N	104° 8' 46.620 W
17,464.0	89.75	180.40	7,708.3	-9,832.0	-214.0	398,252.76	557,923.74	32° 5' 41.189 N	104° 8' 46.633 W
17,558.0	90.53	180.21	7,708.1	-9,926.0	-214.5	398,158.76	557,923.24	32° 5' 40.259 N	104° 8' 46.640 W
17,652.0	90.53	179.26	7,707.2	-10,020.0	-214.0	398,064.77	557,923.67	32° 5' 39.328 N	104° 8' 46.637 W
17,746.0	91.29	179.74	7,705.7	-10,114.0	-213.2	397,970.78	557,924.49	32° 5' 38.398 N	104° 8' 46.630 W
17,840.0	91.09	179.07	7,703.8	-10,208.0	-212.2	397,876.81	557,925.47	32° 5' 37.468 N	104° 8' 46.620 W
Last MWD Svy									
17,850.0	91.09	179.07	7,703.6	-10,218.0	-212.1	397,866.81	557,925.63	32° 5' 37.369 N	104° 8' 46.619 W
LTP @ 17850'MD / 7703.6'TVD									
17,915.0	91.09	179.07	7,702.3	-10,283.0	-211.0	397,801.83	557,926.68	32° 5' 36.726 N	104° 8' 46.608 W
PTB									

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									
PBHL (DAISY 24 STA	0.13	359.31	7,708.0	-10,283.4	-200.5	397,801.40	557,937.20	32° 5' 36.722 N	104° 8' 46.485 W
- actual wellpath misses target center by 11.9usft at 17915.0usft MD (7702.3 TVD, -10283.0 N, -211.0 E)									
- Rectangle (sides W100.0 H10,451.0 D20.0)									
LTP (DAISY 24 STAT	0.00	0.00	7,709.0	-10,233.4	-201.1	397,851.40	557,936.60	32° 5' 37.217 N	104° 8' 46.491 W
- actual wellpath misses target center by 19.7usft at 17850.0usft MD (7703.6 TVD, -10218.0 N, -212.1 E)									
- Point									
FTP (DAISY 24 STAT	0.00	0.00	7,740.0	172.6	-325.4	408,257.40	557,812.30	32° 7' 20.202 N	104° 8' 47.727 W
- actual wellpath misses target center by 298.6usft at 7609.6usft MD (7541.9 TVD, -44.5 N, -272.9 E)									
- Circle (radius 50.0)									

Survey Report - Geographic

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well DAISY 24 STATE COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Site:	ATLAS	MD Reference:	RKB = 3057 + 27 @ 3084.0usft (SCANDRILL FRDM)
Well:	DAISY 24 STATE COM #503H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,024.0	7,014.6	140.7	-193.0	First MWD Svy
17,840.0	7,703.8	-10,208.0	-212.2	Last MWD Svy
17,850.0	7,703.6	-10,218.0	-212.1	LTP @ 17850' MD / 7703.6'TVD
17,915.0	7,702.3	-10,283.0	-211.0	PTB

Checked By: _____	Approved By: _____	Date: _____
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