

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Devon Energy Production Company, L.P. 333 West Sheridan, Oklahoma City, OK 73102		² OGRID Number 6137
		³ Reason for Filing Code/ Effective Date NW / 10/25/21
⁴ API Number 30-025-46476	⁵ Pool Name ; WC-025 G-06 S253206M; BONE SPRING	⁶ Pool Code 97899
⁷ Property Code 326213	⁸ Property Name CHINCOTEAGUE 8 32 FEDERAL STATE COM	⁹ Well Number 524H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	8	25S	32E		2313	North	725	East	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	32	24S	32E		129	North	2052	East	LEA
¹² Lse Code F	¹³ Producing Method Code	¹⁴ Gas Connection Date 10/25/21	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
329657	Cotton Draw Midstream, L.L.C. 333 W. Sheridan Ave. Oklahoma City, OK 731702	GAS
371960	LUCID ENERGY DELAWARE, LLC 3100 Mckinnon St. Suite 800, Dallas TX 75201	GAS
020445	Plains Marketing P.O. Box 4648 Houston, TX 77210	Oil

IV. Well Completion Data

²¹ Spud Date 4/24/21	²² Ready Date 10/25/21	²³ TD 21960	²⁴ PBTD 21933 MD/9132 TVD	²⁵ Perforations 9400 - 21923	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375	831	645		
12.25	9 5/8	4665	855		
8.75	5.5	13542			
8.5	5.5	21936	2663		

V. Well Test Data Tubing set: 10/9/2021; 8765.5, 262 JNT, 2-7/8" L-80

³¹ Date New Oil 10/30/21	³² Gas Delivery Date 10/30/21	³³ Test Date 10/30/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 589 psi	³⁶ Csg. Pressure n/a
³⁷ Choke Size 56	³⁸ Oil 1478 bbl	³⁹ Water 2064 bbl	⁴⁰ Gas 3076 mcf		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Jenny Harms			Approved by: 		
Title: Regulatory Specialist			Approval Date: 10/05/22		
E-mail Address: jenny.harms@dvn.com			COA: File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.		
Date: 11/30/2021	Phone: 405-552-6560				

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1,
2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46476	² Pool Code 97899	³ Pool Name WC-025 G-06 S253206M; BONE SPRING
⁴ Property Code	⁵ Property Name CHINCOTEAGUE 8-32 FED STATE COM	⁶ Well Number 524H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3438.0

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	8	25 S	32 E		2313	NORTH	725	EAST	LEA

¹¹ 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	32	24 S	32 E		129	NORTH	2052	EAST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
800.83			

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.

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order entered into by the division. <i>Jenny Harms</i> Signature Date 11-29-2021 JENNY HARMS Printed Name JENNY.HARMS@DVN.COM E-mail Address ¹⁸ 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. SEPTEMBER 24, 2021 Date of Survey <i>William F. Jaramilla</i> Signature and Seal of Professional Surveyor Certificate Number: 12797 Surveyor No. 7009A
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Intent ☐ As Drilled ☒

API #

Operator Name:	Property Name:	Well Number
DEVON ENERGY PRODUCTION CO., L.P.	CHINCOTEAGUE 8-32 FED STATE COM	524H

Kick Off Point (KOP)

UL G	Section 8	Township 25S	Range 32E	Lot	Feet 2531	From N/S NORTH	Feet 2097	From E/W EAST	County LEA
Latitude 32.1451656					Longitude 103.6953820			NAD 83	

First Take Point (FTP)

UL G	Section 8	Township 25S	Range 32E	Lot	Feet 2067	From N/S NORTH	Feet 2077	From E/W EAST	County LEA
Latitude 32.1464412					Longitude 103.6953229			NAD 83	

Last Take Point (LTP)

UL B	Section 32	Township 24S	Range 32E	Lot	Feet 165	From N/S NORTH	Feet 2054	From E/W EAST	County LEA
Latitude 32.1807248					Longitude 103.6947895			NAD 83	

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

☐ N

Is this well an infill well?

☐ Y

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

KZ 06/29/2018



Devon Energy

Lea County, NM (NAD83 NME)
Chincoteague 8-32 Fed State Com
#524H

OH Wellbore

Design: As Drilled

Standard Survey Report

12 May, 2021



www.scientificdrilling.com



Scientific Drilling, Intl

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Project	Lea County, NM (NAD83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Chincoteague 8-32 Fed State Com			
Site Position:		Northing:	417,469.66 usft	Latitude:	32.146132
From:	Map	Easting:	736,482.28 usft	Longitude:	-103.702814
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.34 °

Well	#524H					
Well Position	+N/-S	0.00 usft	Northing:	417,364.89 usft	Latitude:	32.145785
	+E/-W	0.00 usft	Easting:	740,153.80 usft	Longitude:	-103.690953
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,464.00 usft	Ground Level:	3,438.00 usft

Wellbore	OH Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	4/16/2021	6.48	59.75	47,644.50000000

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	354.19	

Survey Program	Date	5/12/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
204.00	21,960.00	Survey #1 (OH Wellbore)	MWD+HDGM	OWSG MWD + HDGM	

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
204.00	0.38	358.37	204.00	0.68	-0.02	0.67	0.19	0.19	0.00	
294.00	0.30	3.98	294.00	1.21	-0.01	1.20	0.10	-0.09	6.23	
385.00	0.36	337.84	385.00	1.71	-0.10	1.71	0.18	0.07	-28.73	
476.00	0.21	338.85	475.99	2.13	-0.27	2.15	0.16	-0.16	1.11	
567.00	0.14	306.37	566.99	2.35	-0.42	2.38	0.13	-0.08	-35.69	
658.00	0.24	274.76	657.99	2.44	-0.70	2.49	0.16	0.11	-34.74	
749.00	0.50	293.49	748.99	2.61	-1.25	2.72	0.31	0.29	20.58	
873.00	0.38	286.90	872.99	2.94	-2.14	3.15	0.10	-0.10	-5.31	
964.00	0.54	243.34	963.99	2.84	-2.82	3.11	0.41	0.18	-47.87	

Scientific Drilling, Intl

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)	
1,055.00	0.51	263.96	1,054.98	2.61	-3.60	2.96	0.21	-0.03	22.66	
1,146.00	0.63	258.84	1,145.98	2.47	-4.50	2.91	0.14	0.13	-5.63	
1,235.00	2.05	269.32	1,234.95	2.35	-6.57	3.00	1.61	1.60	11.78	
1,326.00	4.29	268.57	1,325.81	2.25	-11.60	3.41	2.46	2.46	-0.82	
1,418.00	6.30	266.69	1,417.41	1.87	-20.08	3.89	2.19	2.18	-2.04	
1,513.00	7.33	267.50	1,511.74	1.31	-31.34	4.47	1.09	1.08	0.85	
1,607.00	8.17	264.19	1,604.88	0.37	-43.97	4.82	1.01	0.89	-3.52	
1,702.00	8.68	264.93	1,698.85	-0.95	-57.83	4.91	0.55	0.54	0.78	
1,796.00	9.49	259.25	1,791.67	-3.02	-72.51	4.33	1.28	0.86	-6.04	
1,891.00	10.56	259.01	1,885.22	-6.14	-88.75	2.87	1.13	1.13	-0.25	
1,985.00	11.87	257.40	1,977.42	-9.89	-106.64	0.95	1.43	1.39	-1.71	
2,080.00	13.09	258.11	2,070.18	-14.24	-126.70	-1.34	1.29	1.28	0.75	
2,175.00	13.37	257.55	2,162.66	-18.83	-147.95	-3.75	0.32	0.29	-0.59	
2,269.00	13.16	258.87	2,254.15	-23.23	-169.07	-6.00	0.39	-0.22	1.40	
2,364.00	12.85	256.48	2,346.71	-27.79	-189.95	-8.42	0.65	-0.33	-2.52	
2,458.00	12.70	256.58	2,438.39	-32.63	-210.16	-11.19	0.16	-0.16	0.11	
2,553.00	11.99	256.45	2,531.19	-37.37	-229.91	-13.90	0.75	-0.75	-0.14	
2,647.00	11.55	256.16	2,623.21	-41.91	-248.54	-16.53	0.47	-0.47	-0.31	
2,742.00	12.37	256.17	2,716.15	-46.62	-267.66	-19.28	0.86	0.86	0.01	
2,836.00	12.84	257.65	2,807.88	-51.26	-287.64	-21.88	0.61	0.50	1.57	
2,931.00	12.60	258.59	2,900.55	-55.56	-308.11	-24.09	0.33	-0.25	0.99	
3,026.00	12.32	259.33	2,993.31	-59.49	-328.22	-25.96	0.34	-0.29	0.78	
3,120.00	12.44	260.88	3,085.13	-62.95	-348.08	-27.39	0.38	0.13	1.65	
3,214.00	12.45	260.40	3,176.92	-66.25	-368.06	-28.65	0.11	0.01	-0.51	
3,309.00	12.12	259.82	3,269.74	-69.72	-387.98	-30.08	0.37	-0.35	-0.61	
3,404.00	12.35	261.44	3,362.59	-72.99	-407.84	-31.33	0.43	0.24	1.71	
3,499.00	11.61	263.59	3,455.52	-75.57	-427.38	-31.92	0.91	-0.78	2.26	
3,593.00	10.63	262.65	3,547.75	-77.74	-445.38	-32.25	1.06	-1.04	-1.00	
3,688.00	11.39	264.59	3,641.00	-79.74	-463.41	-32.42	0.89	0.80	2.04	
3,782.00	13.51	267.99	3,732.79	-81.00	-483.63	-31.63	2.39	2.26	3.62	
3,877.00	13.34	269.05	3,825.19	-81.57	-505.68	-29.96	0.31	-0.18	1.12	
3,971.00	11.60	267.14	3,916.97	-82.22	-525.96	-28.56	1.90	-1.85	-2.03	
4,066.00	11.00	266.19	4,010.13	-83.30	-544.54	-27.75	0.66	-0.63	-1.00	
4,161.00	10.84	267.67	4,103.41	-84.27	-562.51	-26.89	0.34	-0.17	1.56	
4,255.00	9.59	265.76	4,195.92	-85.21	-579.15	-26.14	1.38	-1.33	-2.03	
4,350.00	10.67	260.55	4,289.44	-87.24	-595.72	-26.48	1.49	1.14	-5.48	
4,445.00	9.82	257.58	4,382.92	-90.42	-612.31	-27.97	1.05	-0.89	-3.13	
4,539.00	8.80	258.68	4,475.68	-93.56	-627.19	-29.59	1.10	-1.09	1.17	
4,616.00	8.38	261.73	4,551.82	-95.52	-638.52	-30.39	0.80	-0.55	3.96	
4,718.00	9.43	260.95	4,652.59	-97.90	-654.12	-31.18	1.04	1.03	-0.76	
4,813.00	11.61	261.53	4,745.99	-100.54	-671.27	-32.07	2.30	2.29	0.61	
4,908.00	13.60	261.60	4,838.69	-103.58	-691.77	-33.02	2.09	2.09	0.07	
5,003.00	13.67	262.10	4,931.02	-106.75	-713.94	-33.93	0.14	0.07	0.53	
5,098.00	13.83	261.30	5,023.29	-110.01	-736.28	-34.91	0.26	0.17	-0.84	

Scientific Drilling, Intl

Survey Report



devon

Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
5,193.00	14.50	258.82	5,115.40	-114.04	-759.18	-36.60	0.95	0.71	-2.61
5,287.00	15.18	258.53	5,206.27	-118.76	-782.78	-38.91	0.73	0.72	-0.31
5,382.00	15.57	257.98	5,297.87	-123.89	-807.44	-41.52	0.44	0.41	-0.58
5,476.00	13.97	257.14	5,388.76	-129.05	-830.84	-44.28	1.72	-1.70	-0.89
5,570.00	13.14	255.53	5,480.14	-134.24	-852.25	-47.28	0.97	-0.88	-1.71
5,665.00	13.63	253.48	5,572.56	-140.12	-873.44	-50.98	0.72	0.52	-2.16
5,760.00	13.73	257.02	5,664.87	-145.84	-895.16	-54.47	0.89	0.11	3.73
5,854.00	14.50	256.62	5,756.03	-151.07	-917.48	-57.41	0.83	0.82	-0.43
5,949.00	15.03	256.12	5,847.89	-156.77	-941.00	-60.71	0.57	0.56	-0.53
6,044.00	14.03	257.85	5,939.85	-162.15	-964.22	-63.71	1.15	-1.05	1.82
6,139.00	14.05	258.36	6,032.01	-166.90	-986.77	-66.15	0.13	0.02	0.54
6,234.00	13.78	256.10	6,124.23	-171.95	-1,009.05	-68.92	0.64	-0.28	-2.38
6,328.00	13.30	255.21	6,215.61	-177.40	-1,030.37	-72.18	0.56	-0.51	-0.95
6,423.00	13.36	262.94	6,308.06	-181.54	-1,051.83	-74.13	1.88	0.06	8.14
6,518.00	13.54	263.51	6,400.46	-184.14	-1,073.77	-74.50	0.24	0.19	0.60
6,613.00	13.90	262.59	6,492.75	-186.87	-1,096.14	-74.95	0.44	0.38	-0.97
6,707.00	14.27	261.48	6,583.92	-190.04	-1,118.79	-75.81	0.49	0.39	-1.18
6,802.00	14.52	260.66	6,675.94	-193.71	-1,142.12	-77.10	0.34	0.26	-0.86
6,897.00	14.55	259.96	6,767.90	-197.72	-1,165.63	-78.71	0.19	0.03	-0.74
6,992.00	15.27	259.39	6,859.70	-202.11	-1,189.67	-80.64	0.77	0.76	-0.60
7,086.00	13.50	261.56	6,950.75	-206.00	-1,212.69	-82.18	1.97	-1.88	2.31
7,181.00	12.55	263.23	7,043.30	-208.84	-1,233.91	-82.86	1.08	-1.00	1.76
7,275.00	12.02	262.12	7,135.15	-211.39	-1,253.75	-83.38	0.62	-0.56	-1.18
7,370.00	11.23	261.12	7,228.20	-214.17	-1,272.69	-84.24	0.86	-0.83	-1.05
7,464.00	10.84	259.01	7,320.46	-217.27	-1,290.41	-85.53	0.60	-0.41	-2.24
7,559.00	9.78	258.06	7,413.93	-220.64	-1,307.07	-87.19	1.13	-1.12	-1.00
7,653.00	9.53	256.50	7,506.60	-224.11	-1,322.45	-89.09	0.38	-0.27	-1.66
7,748.00	7.24	257.54	7,600.58	-227.24	-1,335.94	-90.83	2.42	-2.41	1.09
7,843.00	5.90	256.63	7,694.95	-229.66	-1,346.54	-92.17	1.41	-1.41	-0.96
7,937.00	3.60	263.43	7,788.62	-231.11	-1,354.17	-92.84	2.51	-2.45	7.23
8,032.00	1.23	269.39	7,883.53	-231.47	-1,358.16	-92.79	2.51	-2.49	6.27
8,126.00	0.91	267.21	7,977.51	-231.51	-1,359.91	-92.66	0.34	-0.34	-2.32
8,221.00	1.07	256.94	8,072.50	-231.75	-1,361.53	-92.73	0.25	0.17	-10.81
8,316.00	1.21	249.84	8,167.48	-232.30	-1,363.33	-93.09	0.21	0.15	-7.47
8,411.00	1.27	252.25	8,262.46	-232.96	-1,365.28	-93.56	0.08	0.06	2.54
8,506.00	1.21	246.23	8,357.44	-233.69	-1,367.20	-94.09	0.15	-0.06	-6.34
8,577.00	1.22	249.22	8,428.42	-234.26	-1,368.59	-94.51	0.09	0.01	4.21
8,656.00	2.99	331.60	8,507.38	-232.74	-1,370.36	-92.83	3.89	2.24	104.28
8,751.00	10.54	6.63	8,601.67	-221.92	-1,370.53	-82.04	8.70	7.95	36.87
8,845.00	22.13	0.48	8,691.73	-195.58	-1,369.39	-55.95	12.45	12.33	-6.54
8,940.00	35.36	2.05	8,774.84	-150.01	-1,368.25	-10.73	13.95	13.93	1.65
9,035.00	47.70	1.78	8,845.82	-87.18	-1,366.17	51.56	12.99	12.99	-0.28
9,130.00	55.78	1.31	8,904.60	-12.68	-1,364.18	125.48	8.51	8.51	-0.49

Scientific Drilling, Intl

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
9,224.00	63.45	2.58	8,952.11	68.30	-1,361.39	205.76	8.24	8.16	1.35
9,319.00	67.27	2.30	8,991.71	154.56	-1,357.72	291.21	4.03	4.02	-0.29
9,414.00	74.34	3.00	9,022.93	244.12	-1,353.56	379.89	7.47	7.44	0.74
9,603.00	87.88	0.50	9,052.07	430.32	-1,347.95	564.56	7.28	7.16	-1.32
9,698.00	89.93	0.85	9,053.89	525.29	-1,346.83	658.93	2.19	2.16	0.37
9,793.00	92.12	1.37	9,052.19	620.25	-1,344.99	753.22	2.37	2.31	0.55
9,887.00	90.10	0.45	9,050.37	714.21	-1,343.50	846.55	2.36	-2.15	-0.98
9,982.00	90.91	359.61	9,049.53	809.21	-1,343.45	941.05	1.23	0.85	-0.88
10,077.00	89.26	359.05	9,049.39	904.20	-1,344.56	1,035.66	1.83	-1.74	-0.59
10,172.00	89.29	358.74	9,050.59	999.17	-1,346.39	1,130.33	0.33	0.03	-0.33
10,266.00	90.57	358.07	9,050.70	1,093.13	-1,349.01	1,224.08	1.54	1.36	-0.71
10,361.00	89.19	357.37	9,050.90	1,188.06	-1,352.79	1,318.89	1.63	-1.45	-0.74
10,456.00	85.39	357.23	9,055.39	1,282.83	-1,357.25	1,413.63	4.00	-4.00	-0.15
10,551.00	87.65	358.13	9,061.16	1,377.57	-1,361.09	1,508.27	2.56	2.38	0.95
10,646.00	88.86	358.73	9,064.05	1,472.48	-1,363.69	1,602.97	1.42	1.27	0.63
10,741.00	89.30	358.26	9,065.58	1,567.44	-1,366.19	1,697.69	0.68	0.46	-0.49
10,835.00	90.13	359.48	9,066.05	1,661.42	-1,368.04	1,791.37	1.57	0.88	1.30
10,930.00	87.51	357.44	9,068.00	1,756.35	-1,370.59	1,886.07	3.49	-2.76	-2.15
11,024.00	91.75	357.28	9,068.61	1,850.23	-1,374.92	1,979.90	4.51	4.51	-0.17
11,119.00	90.34	0.01	9,066.88	1,945.17	-1,377.17	2,074.59	3.23	-1.48	2.87
11,213.00	88.82	0.15	9,067.57	2,039.17	-1,377.04	2,168.09	1.62	-1.62	0.15
11,308.00	89.26	1.44	9,069.16	2,134.14	-1,375.72	2,262.44	1.43	0.46	1.36
11,403.00	90.47	0.32	9,069.38	2,229.13	-1,374.26	2,356.79	1.74	1.27	-1.18
11,471.09	91.78	1.30	9,068.04	2,297.20	-1,373.30	2,424.41	2.40	1.93	1.44
CSL Sec 8 into 5 - 11471.09 MD 9068.04 TVD									
11,497.00	92.28	1.67	9,067.13	2,323.08	-1,372.63	2,450.10	2.40	1.93	1.44
11,592.00	90.81	1.61	9,064.56	2,418.00	-1,369.91	2,544.26	1.55	-1.55	-0.06
11,687.00	91.65	0.74	9,062.53	2,512.96	-1,367.96	2,638.53	1.27	0.88	-0.92
11,781.00	90.57	1.49	9,060.70	2,606.92	-1,366.13	2,731.82	1.40	-1.15	0.80
11,876.00	88.79	1.24	9,061.23	2,701.89	-1,363.87	2,826.08	1.89	-1.87	-0.26
11,970.00	88.96	359.91	9,063.08	2,795.87	-1,362.93	2,919.47	1.43	0.18	-1.41
12,065.00	89.87	358.82	9,064.05	2,890.85	-1,363.98	3,014.08	1.49	0.96	-1.15
12,160.00	89.09	359.78	9,064.91	2,985.84	-1,365.14	3,108.69	1.30	-0.82	1.01
12,254.00	88.42	2.70	9,066.96	3,079.78	-1,363.11	3,201.95	3.19	-0.71	3.11
12,349.00	88.52	2.67	9,069.49	3,174.65	-1,358.66	3,295.88	0.11	0.11	-0.03
12,443.00	89.93	1.72	9,070.76	3,268.57	-1,355.06	3,388.95	1.81	1.50	-1.01
12,538.00	89.80	2.14	9,070.99	3,363.51	-1,351.86	3,483.08	0.46	-0.14	0.44
12,633.00	89.03	3.14	9,071.96	3,458.40	-1,347.48	3,577.04	1.33	-0.81	1.05
12,728.00	88.56	2.47	9,073.96	3,553.27	-1,342.84	3,670.95	0.86	-0.49	-0.71
12,822.00	89.83	1.55	9,075.28	3,647.20	-1,339.54	3,764.06	1.67	1.35	-0.98
12,917.00	90.67	2.22	9,074.86	3,742.14	-1,336.41	3,858.21	1.13	0.88	0.71
13,012.00	90.47	2.86	9,073.92	3,837.05	-1,332.20	3,952.19	0.71	-0.21	0.67
13,106.00	88.99	2.74	9,074.36	3,930.93	-1,327.61	4,045.13	1.58	-1.57	-0.13
13,201.00	89.60	2.75	9,075.53	4,025.81	-1,323.06	4,139.07	0.64	0.64	0.01

Scientific Drilling, Intl

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
13,296.00	89.43	0.89	9,076.33	4,120.76	-1,320.05	4,233.22	1.97	-0.18	-1.96
13,390.00	90.03	0.76	9,076.78	4,214.75	-1,318.69	4,326.59	0.65	0.64	-0.14
13,511.00	92.38	1.13	9,074.23	4,335.69	-1,316.70	4,446.71	1.97	1.94	0.31
13,606.00	91.28	1.58	9,071.20	4,430.62	-1,314.45	4,540.92	1.25	-1.16	0.47
13,701.00	89.63	359.97	9,070.44	4,525.60	-1,313.17	4,635.28	2.43	-1.74	-1.69
13,795.00	88.69	359.48	9,071.82	4,619.59	-1,313.62	4,728.83	1.13	-1.00	-0.52
13,890.00	88.09	359.37	9,074.49	4,714.54	-1,314.57	4,823.40	0.64	-0.63	-0.12
13,985.00	88.76	359.15	9,077.10	4,809.50	-1,315.80	4,917.99	0.74	0.71	-0.23
14,080.00	87.82	358.83	9,079.94	4,904.44	-1,317.47	5,012.62	1.05	-0.99	-0.34
14,174.00	87.35	359.23	9,083.90	4,998.34	-1,319.06	5,106.20	0.66	-0.50	0.43
14,269.00	87.11	358.96	9,088.49	5,093.22	-1,320.56	5,200.74	0.38	-0.25	-0.28
14,363.00	86.71	358.37	9,093.55	5,187.06	-1,322.75	5,294.31	0.76	-0.43	-0.63
14,458.00	88.39	359.22	9,097.62	5,281.95	-1,324.74	5,388.92	1.98	1.77	0.89
14,553.00	90.03	359.24	9,098.93	5,376.93	-1,326.02	5,483.54	1.73	1.73	0.02
14,647.00	90.94	359.60	9,098.13	5,470.92	-1,326.97	5,577.14	1.04	0.97	0.38
14,741.00	90.17	359.86	9,097.22	5,564.91	-1,327.41	5,670.70	0.86	-0.82	0.28
14,836.00	90.60	0.30	9,096.58	5,659.91	-1,327.28	5,765.19	0.65	0.45	0.46
14,931.00	90.44	359.74	9,095.72	5,754.90	-1,327.25	5,859.70	0.61	-0.17	-0.59
15,026.00	91.98	358.75	9,093.71	5,849.87	-1,328.50	5,954.30	1.93	1.62	-1.04
15,120.00	89.83	357.46	9,092.23	5,943.80	-1,331.61	6,048.06	2.67	-2.29	-1.37
15,215.00	88.72	357.52	9,093.43	6,038.70	-1,335.77	6,142.90	1.17	-1.17	0.06
15,310.00	90.03	357.78	9,094.47	6,133.61	-1,339.66	6,237.72	1.41	1.38	0.27
15,405.00	90.44	357.67	9,094.08	6,228.54	-1,343.43	6,332.54	0.45	0.43	-0.12
15,499.00	86.78	356.98	9,096.36	6,322.39	-1,347.82	6,426.35	3.96	-3.89	-0.73
15,594.00	90.81	358.92	9,098.35	6,417.28	-1,351.21	6,521.10	4.71	4.24	2.04
15,689.00	90.81	359.12	9,097.01	6,512.26	-1,352.84	6,615.75	0.21	0.00	0.21
15,783.00	91.81	359.73	9,094.86	6,606.23	-1,353.78	6,709.34	1.25	1.06	0.65
15,878.00	90.03	358.52	9,093.34	6,701.20	-1,355.23	6,803.97	2.27	-1.87	-1.27
15,972.00	90.60	359.52	9,092.82	6,795.18	-1,356.84	6,897.63	1.22	0.61	1.06
16,067.00	92.08	0.88	9,090.60	6,890.15	-1,356.51	6,992.08	2.12	1.56	1.43
16,162.00	86.98	357.71	9,091.38	6,985.10	-1,357.68	7,086.65	6.32	-5.37	-3.34
16,257.00	88.39	357.37	9,095.21	7,079.93	-1,361.75	7,181.41	1.53	1.48	-0.36
16,352.00	89.02	357.72	9,097.36	7,174.82	-1,365.82	7,276.22	0.76	0.66	0.37
16,446.00	91.28	1.00	9,097.12	7,268.79	-1,366.87	7,369.82	4.24	2.40	3.49
16,541.00	92.99	1.71	9,093.58	7,363.70	-1,364.62	7,464.01	1.95	1.80	0.75
16,636.00	94.78	1.70	9,087.14	7,458.43	-1,361.80	7,557.97	1.88	1.88	-0.01
16,730.00	93.49	1.43	9,080.36	7,552.15	-1,359.24	7,650.95	1.40	-1.37	-0.29
16,764.61	92.94	8.63	9,078.42	7,586.55	-1,356.22	7,684.87	20.83	-1.58	20.81
CSL Sec 5 into 32 - 16764.61 MD 9078.42 TVD									
16,825.00	91.88	21.18	9,075.87	7,644.74	-1,340.72	7,741.19	20.83	-1.76	20.78
16,920.00	89.90	2.82	9,074.38	7,737.25	-1,321.06	7,831.23	19.44	-2.08	-19.33
17,015.00	90.27	2.52	9,074.24	7,832.15	-1,316.64	7,925.20	0.50	0.39	-0.32
17,110.00	90.91	2.31	9,073.26	7,927.06	-1,312.64	8,019.21	0.71	0.67	-0.22



Scientific Drilling, Intl Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)	
17,205.00	90.57	1.92	9,072.03	8,021.98	-1,309.13	8,113.30	0.54	-0.36	-0.41	
17,299.00	89.56	1.20	9,071.93	8,115.95	-1,306.57	8,206.52	1.32	-1.07	-0.77	
17,394.00	90.20	1.16	9,072.13	8,210.93	-1,304.62	8,300.81	0.67	0.67	-0.04	
17,489.00	91.38	1.41	9,070.82	8,305.89	-1,302.48	8,395.07	1.27	1.24	0.26	
17,584.00	91.04	2.47	9,068.81	8,400.81	-1,299.27	8,489.18	1.17	-0.36	1.12	
17,679.00	89.93	1.15	9,068.01	8,495.76	-1,296.27	8,583.34	1.82	-1.17	-1.39	
17,774.00	89.36	0.39	9,068.59	8,590.75	-1,294.99	8,677.71	1.00	-0.60	-0.80	
17,868.00	89.56	0.44	9,069.48	8,684.74	-1,294.31	8,771.15	0.22	0.21	0.05	
17,963.00	90.47	0.21	9,069.46	8,779.74	-1,293.77	8,865.61	0.99	0.96	-0.24	
18,057.00	91.64	0.88	9,067.72	8,873.72	-1,292.88	8,959.01	1.43	1.24	0.71	
18,151.00	89.73	0.67	9,066.60	8,967.70	-1,291.61	9,052.38	2.04	-2.03	-0.22	
18,246.00	89.09	0.40	9,067.58	9,062.69	-1,290.72	9,146.79	0.73	-0.67	-0.28	
18,341.00	89.60	0.00	9,068.66	9,157.68	-1,290.39	9,241.26	0.68	0.54	-0.42	
18,435.00	90.24	0.78	9,068.80	9,251.68	-1,289.75	9,334.71	1.07	0.68	0.83	
18,530.00	91.18	0.93	9,067.62	9,346.66	-1,288.33	9,429.06	1.00	0.99	0.16	
18,624.00	92.69	1.01	9,064.45	9,440.59	-1,286.74	9,522.35	1.61	1.61	0.09	
18,719.00	91.31	0.11	9,061.13	9,535.52	-1,285.81	9,616.70	1.73	-1.45	-0.95	
18,814.00	88.96	359.16	9,060.91	9,630.51	-1,286.42	9,711.26	2.67	-2.47	-1.00	
18,908.00	88.59	359.15	9,062.92	9,724.48	-1,287.81	9,804.89	0.39	-0.39	-0.01	
19,003.00	89.90	0.58	9,064.17	9,819.47	-1,288.03	9,899.41	2.04	1.38	1.51	
19,098.00	90.07	1.43	9,064.19	9,914.45	-1,286.36	9,993.74	0.91	0.18	0.89	
19,192.00	89.46	1.36	9,064.58	10,008.42	-1,284.07	10,087.00	0.65	-0.65	-0.07	
19,286.00	90.37	2.21	9,064.72	10,102.37	-1,281.15	10,180.17	1.32	0.97	0.90	
19,381.00	90.34	2.34	9,064.13	10,197.30	-1,277.38	10,274.22	0.14	-0.03	0.14	
19,476.00	89.83	2.14	9,063.99	10,292.22	-1,273.66	10,368.29	0.58	-0.54	-0.21	
19,570.00	88.59	2.42	9,065.28	10,386.14	-1,269.92	10,461.34	1.35	-1.32	0.30	
19,665.00	88.25	1.27	9,067.90	10,481.05	-1,266.87	10,555.46	1.26	-0.36	-1.21	
19,760.00	89.13	0.22	9,070.08	10,576.02	-1,265.63	10,649.81	1.44	0.93	-1.11	
19,854.00	88.39	358.30	9,072.11	10,669.98	-1,266.84	10,743.41	2.19	-0.79	-2.04	
19,949.00	88.29	358.32	9,074.86	10,764.90	-1,269.64	10,838.13	0.11	-0.11	0.02	
20,044.00	89.97	358.35	9,076.30	10,859.85	-1,272.40	10,932.87	1.77	1.77	0.03	
20,138.00	91.58	358.27	9,075.03	10,953.79	-1,275.18	11,026.61	1.71	1.71	-0.09	
20,233.00	92.19	357.93	9,071.91	11,048.69	-1,278.32	11,121.34	0.74	0.64	-0.36	
20,328.00	93.63	358.26	9,067.08	11,143.51	-1,281.48	11,215.99	1.55	1.52	0.35	
20,422.00	91.01	359.18	9,063.28	11,237.40	-1,283.58	11,309.61	2.95	-2.79	0.98	
20,517.00	31.11	359.28	9,107.18	11,316.80	-1,284.66	11,388.71	63.05	-63.05	0.11	
20,611.00	92.42	359.14	9,149.56	11,395.71	-1,285.78	11,467.33	65.22	65.22	-0.15	
20,706.00	89.40	359.59	9,148.05	11,490.68	-1,286.84	11,561.92	3.21	-3.18	0.47	
20,801.00	88.42	359.31	9,149.86	11,585.66	-1,287.75	11,656.50	1.07	-1.03	-0.29	
20,895.00	88.62	0.08	9,152.29	11,679.62	-1,288.25	11,750.04	0.85	0.21	0.82	
20,990.00	87.98	359.86	9,155.11	11,774.58	-1,288.30	11,844.51	0.71	-0.67	-0.23	
21,084.00	89.46	0.37	9,157.21	11,868.56	-1,288.11	11,937.98	1.67	1.57	0.54	
21,179.00	89.93	0.56	9,157.71	11,963.55	-1,287.34	12,032.41	0.53	0.49	0.20	

Scientific Drilling, Intl

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)	
21,274.00	89.87	1.07	9,157.88	12,058.54	-1,285.99	12,126.78	0.54	-0.06	0.54	
21,369.00	90.91	1.35	9,157.23	12,153.52	-1,283.98	12,221.06	1.13	1.09	0.29	
21,464.00	91.71	1.72	9,155.06	12,248.46	-1,281.44	12,315.26	0.93	0.84	0.39	
21,599.00	92.05	1.86	9,150.63	12,383.32	-1,277.22	12,449.00	0.27	0.25	0.10	
21,653.00	93.13	2.69	9,148.19	12,437.22	-1,275.08	12,502.41	2.52	2.00	1.54	
21,748.00	93.13	2.29	9,143.00	12,531.99	-1,270.96	12,596.27	0.42	0.00	-0.42	
21,842.00	93.29	2.64	9,137.74	12,625.75	-1,266.92	12,689.15	0.41	0.17	0.37	
21,898.00	93.29	2.81	9,134.53	12,681.60	-1,264.27	12,744.43	0.30	0.00	0.30	
21,960.00	93.29	2.81	9,130.97	12,743.42	-1,261.23	12,805.63	0.00	0.00	0.00	
Actual BH: 125.99 FNL 2051.99 FEL - 21960 MD 9130.97 TVD - Y-430108.31 X-738892.57 - 32.180834°N 103.694784°W										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
11,471.09	9,068.04	2,297.20	-1,373.30	CSL Sec 8 into 5	
11,471.09	9,068.04	2,297.20	-1,373.30	11471.09 MD 9068.04 TVD	
16,764.61	9,078.42	7,586.55	-1,356.22	CSL Sec 5 into 32	
16,764.61	9,078.42	7,586.55	-1,356.22	16764.61 MD 9078.42 TVD	
21,960.00	9,130.97	12,743.42	-1,261.23	Actual BH: 125.99 FNL 2051.99 FEL	
21,960.00	9,130.97	12,743.42	-1,261.23	21960 MD 9130.97 TVD	
21,960.00	9,130.97	12,743.42	-1,261.23	Y-430108.31 X-738892.57	
21,960.00	9,130.97	12,743.42	-1,261.23	32.180834°N 103.694784°W	

Checked By: _____	Approved By: _____	Date: _____
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Devon Energy

Lea County, NM (NAD83 NME)
Chincoteague 8-32 Fed State Com
#524H

OH Wellbore

Design: As Drilled

Survey Report - Geographic

12 May, 2021



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Scientific Drilling, Intl
Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Project	Lea County, NM (NAD83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Chincoteague 8-32 Fed State Com			
Site Position:		Northing:	417,469.66 usft	Latitude:	32.146132
From:	Map	Easting:	736,482.28 usft	Longitude:	-103.702814
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.34 °

Well	#524H					
Well Position	+N/-S	0.00 usft	Northing:	417,364.89 usft	Latitude:	32.145785
	+E/-W	0.00 usft	Easting:	740,153.80 usft	Longitude:	-103.690953
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,464.00 usft	Ground Level:	3,438.00 usft

Wellbore	OH Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	4/16/2021	6.48	59.75	47,644.50000000

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	354.19	

Survey Program	Date	5/12/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
204.00	21,960.00	Survey #1 (OH Wellbore)	MWD+HDGM	OWSG MWD + HDGM	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	417,364.89	740,153.80	32.145785	-103.690953
204.00	0.38	358.37	204.00	0.68	-0.02	417,365.57	740,153.78	32.145786	-103.690953
294.00	0.30	3.98	294.00	1.21	-0.01	417,366.10	740,153.79	32.145788	-103.690953
385.00	0.36	337.84	385.00	1.71	-0.10	417,366.60	740,153.69	32.145789	-103.690954
476.00	0.21	338.85	475.99	2.13	-0.27	417,367.02	740,153.53	32.145790	-103.690954
567.00	0.14	306.37	566.99	2.35	-0.42	417,367.24	740,153.38	32.145791	-103.690955
658.00	0.24	274.76	657.99	2.44	-0.70	417,367.32	740,153.10	32.145791	-103.690956
749.00	0.50	293.49	748.99	2.61	-1.25	417,367.50	740,152.54	32.145792	-103.690957
873.00	0.38	286.90	872.99	2.94	-2.14	417,367.83	740,151.65	32.145793	-103.690960
964.00	0.54	243.34	963.99	2.84	-2.82	417,367.73	740,150.98	32.145792	-103.690962
1,055.00	0.51	263.96	1,054.98	2.61	-3.60	417,367.49	740,150.20	32.145792	-103.690965
1,146.00	0.63	258.84	1,145.98	2.47	-4.50	417,367.35	740,149.30	32.145791	-103.690968



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,235.00	2.05	269.32	1,234.95	2.35	-6.57	417,367.24	740,147.23	32.145791	-103.690975
1,326.00	4.29	268.57	1,325.81	2.25	-11.60	417,367.14	740,142.20	32.145791	-103.690991
1,418.00	6.30	266.69	1,417.41	1.87	-20.08	417,366.76	740,133.72	32.145790	-103.691018
1,513.00	7.33	267.50	1,511.74	1.31	-31.34	417,366.19	740,122.46	32.145789	-103.691055
1,607.00	8.17	264.19	1,604.88	0.37	-43.97	417,365.26	740,109.82	32.145786	-103.691095
1,702.00	8.68	264.93	1,698.85	-0.95	-57.83	417,363.94	740,095.97	32.145783	-103.691140
1,796.00	9.49	259.25	1,791.67	-3.02	-72.51	417,361.87	740,081.29	32.145777	-103.691188
1,891.00	10.56	259.01	1,885.22	-6.14	-88.75	417,358.75	740,065.05	32.145769	-103.691240
1,985.00	11.87	257.40	1,977.42	-9.89	-106.64	417,355.00	740,047.16	32.145759	-103.691298
2,080.00	13.09	258.11	2,070.18	-14.24	-126.70	417,350.65	740,027.10	32.145747	-103.691363
2,175.00	13.37	257.55	2,162.66	-18.83	-147.95	417,346.06	740,005.84	32.145735	-103.691432
2,269.00	13.16	258.87	2,254.15	-23.23	-169.07	417,341.65	739,984.73	32.145723	-103.691500
2,364.00	12.85	256.48	2,346.71	-27.79	-189.95	417,337.10	739,963.85	32.145711	-103.691568
2,458.00	12.70	256.58	2,438.39	-32.63	-210.16	417,332.26	739,943.63	32.145698	-103.691633
2,553.00	11.99	256.45	2,531.19	-37.37	-229.91	417,327.52	739,923.88	32.145686	-103.691697
2,647.00	11.55	256.16	2,623.21	-41.91	-248.54	417,322.98	739,905.25	32.145673	-103.691757
2,742.00	12.37	256.17	2,716.15	-46.62	-267.66	417,318.27	739,886.14	32.145661	-103.691819
2,836.00	12.84	257.65	2,807.88	-51.26	-287.64	417,313.63	739,866.16	32.145648	-103.691884
2,931.00	12.60	258.59	2,900.55	-55.56	-308.11	417,309.33	739,845.69	32.145637	-103.691950
3,026.00	12.32	259.33	2,993.31	-59.49	-328.22	417,305.40	739,825.57	32.145626	-103.692015
3,120.00	12.44	260.88	3,085.13	-62.95	-348.08	417,301.94	739,805.72	32.145617	-103.692079
3,214.00	12.45	260.40	3,176.92	-66.25	-368.06	417,298.64	739,785.73	32.145608	-103.692144
3,309.00	12.12	259.82	3,269.74	-69.72	-387.98	417,295.17	739,765.82	32.145599	-103.692208
3,404.00	12.35	261.44	3,362.59	-72.99	-407.84	417,291.90	739,745.96	32.145591	-103.692272
3,499.00	11.61	263.59	3,455.52	-75.57	-427.38	417,289.32	739,726.41	32.145584	-103.692336
3,593.00	10.63	262.65	3,547.75	-77.74	-445.38	417,287.15	739,708.41	32.145578	-103.692394
3,688.00	11.39	264.59	3,641.00	-79.74	-463.41	417,285.15	739,690.38	32.145573	-103.692452
3,782.00	13.51	267.99	3,732.79	-81.00	-483.63	417,283.89	739,670.17	32.145570	-103.692517
3,877.00	13.34	269.05	3,825.19	-81.57	-505.68	417,283.32	739,648.12	32.145569	-103.692589
3,971.00	11.60	267.14	3,916.97	-82.22	-525.96	417,282.66	739,627.84	32.145567	-103.692654
4,066.00	11.00	266.19	4,010.13	-83.30	-544.54	417,281.59	739,609.25	32.145564	-103.692714
4,161.00	10.84	267.67	4,103.41	-84.27	-562.51	417,280.62	739,591.28	32.145562	-103.692772
4,255.00	9.59	265.76	4,195.92	-85.21	-579.15	417,279.68	739,574.64	32.145560	-103.692826
4,350.00	10.67	260.55	4,289.44	-87.24	-595.72	417,277.65	739,558.08	32.145554	-103.692880
4,445.00	9.82	257.58	4,382.92	-90.42	-612.31	417,274.47	739,541.49	32.145546	-103.692933
4,539.00	8.80	258.68	4,475.68	-93.56	-627.19	417,271.33	739,526.61	32.145538	-103.692982
4,616.00	8.38	261.73	4,551.82	-95.52	-638.52	417,269.37	739,515.28	32.145532	-103.693018
4,718.00	9.43	260.95	4,652.59	-97.90	-654.12	417,266.98	739,499.67	32.145526	-103.693069
4,813.00	11.61	261.53	4,745.99	-100.54	-671.27	417,264.35	739,482.53	32.145519	-103.693124
4,908.00	13.60	261.60	4,838.69	-103.58	-691.77	417,261.31	739,462.02	32.145511	-103.693190
5,003.00	13.67	262.10	4,931.02	-106.75	-713.94	417,258.14	739,439.86	32.145503	-103.693262
5,098.00	13.83	261.30	5,023.29	-110.01	-736.28	417,254.88	739,417.51	32.145494	-103.693334
5,193.00	14.50	258.82	5,115.40	-114.04	-759.18	417,250.85	739,394.62	32.145483	-103.693408
5,287.00	15.18	258.53	5,206.27	-118.76	-782.78	417,246.12	739,371.01	32.145471	-103.693485
5,382.00	15.57	257.98	5,297.87	-123.89	-807.44	417,241.00	739,346.35	32.145457	-103.693564
5,476.00	13.97	257.14	5,388.76	-129.05	-830.84	417,235.84	739,322.95	32.145443	-103.693640
5,570.00	13.14	255.53	5,480.14	-134.24	-852.25	417,230.65	739,301.54	32.145429	-103.693709
5,665.00	13.63	253.48	5,572.56	-140.12	-873.44	417,224.77	739,280.36	32.145414	-103.693778
5,760.00	13.73	257.02	5,664.87	-145.84	-895.16	417,219.05	739,258.64	32.145398	-103.693848
5,854.00	14.50	256.62	5,756.03	-151.07	-917.48	417,213.82	739,236.32	32.145384	-103.693921
5,949.00	15.03	256.12	5,847.89	-156.77	-941.00	417,208.12	739,212.79	32.145369	-103.693997
6,044.00	14.03	257.85	5,939.85	-162.15	-964.22	417,202.74	739,189.58	32.145355	-103.694072
6,139.00	14.05	258.36	6,032.01	-166.90	-986.77	417,197.99	739,167.02	32.145342	-103.694145
6,234.00	13.78	256.10	6,124.23	-171.95	-1,009.05	417,192.94	739,144.75	32.145328	-103.694217
6,328.00	13.30	255.21	6,215.61	-177.40	-1,030.37	417,187.49	739,123.42	32.145314	-103.694286



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,423.00	13.36	262.94	6,308.06	-181.54	-1,051.83	417,183.35	739,101.96	32.145303	-103.694355
6,518.00	13.54	263.51	6,400.46	-184.14	-1,073.77	417,180.75	739,080.02	32.145296	-103.694426
6,613.00	13.90	262.59	6,492.75	-186.87	-1,096.14	417,178.02	739,057.66	32.145289	-103.694498
6,707.00	14.27	261.48	6,583.92	-190.04	-1,118.79	417,174.85	739,035.00	32.145280	-103.694572
6,802.00	14.52	260.66	6,675.94	-193.71	-1,142.12	417,171.18	739,011.67	32.145271	-103.694647
6,897.00	14.55	259.96	6,767.90	-197.72	-1,165.63	417,167.17	738,988.17	32.145260	-103.694723
6,992.00	15.27	259.39	6,859.70	-202.11	-1,189.67	417,162.78	738,964.12	32.145248	-103.694801
7,086.00	13.50	261.56	6,950.75	-206.00	-1,212.69	417,158.89	738,941.10	32.145238	-103.694875
7,181.00	12.55	263.23	7,043.30	-208.84	-1,233.91	417,156.05	738,919.88	32.145231	-103.694944
7,275.00	12.02	262.12	7,135.15	-211.39	-1,253.75	417,153.50	738,900.05	32.145224	-103.695008
7,370.00	11.23	261.12	7,228.20	-214.17	-1,272.69	417,150.72	738,881.11	32.145217	-103.695069
7,464.00	10.84	259.01	7,320.46	-217.27	-1,290.41	417,147.62	738,863.39	32.145208	-103.695127
7,559.00	9.78	258.06	7,413.93	-220.64	-1,307.07	417,144.25	738,846.72	32.145199	-103.695181
7,653.00	9.53	256.50	7,506.60	-224.11	-1,322.45	417,140.78	738,831.35	32.145190	-103.695230
7,748.00	7.24	257.54	7,600.58	-227.24	-1,335.94	417,137.65	738,817.85	32.145182	-103.695274
7,843.00	5.90	256.63	7,694.95	-229.66	-1,346.54	417,135.23	738,807.26	32.145175	-103.695308
7,937.00	3.60	263.43	7,788.62	-231.11	-1,354.17	417,133.78	738,799.62	32.145171	-103.695333
8,032.00	1.23	269.39	7,883.53	-231.47	-1,358.16	417,133.42	738,795.64	32.145170	-103.695346
8,126.00	0.91	267.21	7,977.51	-231.51	-1,359.91	417,133.38	738,793.89	32.145170	-103.695351
8,221.00	1.07	256.94	8,072.50	-231.75	-1,361.53	417,133.14	738,792.27	32.145170	-103.695357
8,316.00	1.21	249.84	8,167.48	-232.30	-1,363.33	417,132.59	738,790.46	32.145168	-103.695363
8,411.00	1.27	252.25	8,262.46	-232.96	-1,365.28	417,131.93	738,788.52	32.145166	-103.695369
8,506.00	1.21	246.23	8,357.44	-233.69	-1,367.20	417,131.20	738,786.60	32.145164	-103.695375
8,577.00	1.22	249.22	8,428.42	-234.26	-1,368.59	417,130.63	738,785.20	32.145163	-103.695380
8,656.00	2.99	331.60	8,507.38	-232.74	-1,370.36	417,132.14	738,783.44	32.145167	-103.695385
8,751.00	10.54	6.63	8,601.67	-221.92	-1,370.53	417,142.97	738,783.26	32.145197	-103.695386
8,845.00	22.13	0.48	8,691.73	-195.58	-1,369.39	417,169.31	738,784.41	32.145269	-103.695381
8,940.00	35.36	2.05	8,774.84	-150.01	-1,368.25	417,214.88	738,785.55	32.145395	-103.695377
9,035.00	47.70	1.78	8,845.82	-87.18	-1,366.17	417,277.71	738,787.63	32.145567	-103.695369
9,130.00	55.78	1.31	8,904.60	-12.68	-1,364.18	417,352.21	738,789.62	32.145772	-103.695361
9,224.00	63.45	2.58	8,952.11	68.30	-1,361.39	417,433.19	738,792.41	32.145995	-103.695351
9,319.00	67.27	2.30	8,991.71	154.56	-1,357.72	417,519.45	738,796.08	32.146232	-103.695337
9,414.00	74.34	3.00	9,022.93	244.12	-1,353.56	417,609.01	738,800.24	32.146478	-103.695322
9,603.00	87.88	0.50	9,052.07	430.32	-1,347.95	417,795.21	738,805.85	32.146989	-103.695300
9,698.00	89.93	0.85	9,053.89	525.29	-1,346.83	417,890.18	738,806.97	32.147250	-103.695295
9,793.00	92.12	1.37	9,052.19	620.25	-1,344.99	417,985.14	738,808.81	32.147511	-103.695287
9,887.00	90.10	0.45	9,050.37	714.21	-1,343.50	418,079.10	738,810.30	32.147770	-103.695280
9,982.00	90.91	359.61	9,049.53	809.21	-1,343.45	418,174.10	738,810.35	32.148031	-103.695278
10,077.00	89.26	359.05	9,049.39	904.20	-1,344.56	418,269.09	738,809.24	32.148292	-103.695280
10,172.00	89.29	358.74	9,050.59	999.17	-1,346.39	418,364.06	738,807.41	32.148553	-103.695284
10,266.00	90.57	358.07	9,050.70	1,093.13	-1,349.01	418,458.02	738,804.79	32.148811	-103.695291
10,361.00	89.19	357.37	9,050.90	1,188.06	-1,352.79	418,552.94	738,801.01	32.149072	-103.695301
10,456.00	85.39	357.23	9,055.39	1,282.83	-1,357.25	418,647.72	738,796.54	32.149333	-103.695314
10,551.00	87.65	358.13	9,061.16	1,377.57	-1,361.09	418,742.46	738,792.71	32.149593	-103.695324
10,646.00	88.86	358.73	9,064.05	1,472.48	-1,363.69	418,837.37	738,790.10	32.149854	-103.695331
10,741.00	89.30	358.26	9,065.58	1,567.44	-1,366.19	418,932.33	738,787.61	32.150115	-103.695337
10,835.00	90.13	359.48	9,066.05	1,661.42	-1,368.04	419,026.31	738,785.76	32.150374	-103.695342
10,930.00	87.51	357.44	9,068.00	1,756.35	-1,370.59	419,121.24	738,783.20	32.150635	-103.695348
11,024.00	91.75	357.28	9,068.61	1,850.23	-1,374.92	419,215.12	738,778.88	32.150893	-103.695360
11,119.00	90.34	0.01	9,066.88	1,945.17	-1,377.17	419,310.06	738,776.63	32.151154	-103.695366
11,213.00	88.82	0.15	9,067.57	2,039.17	-1,377.04	419,404.06	738,776.76	32.151412	-103.695363
11,308.00	89.26	1.44	9,069.16	2,134.14	-1,375.72	419,499.03	738,778.08	32.151673	-103.695357
11,403.00	90.47	0.32	9,069.38	2,229.13	-1,374.26	419,594.02	738,779.54	32.151934	-103.695351
11,471.09	91.78	1.30	9,068.04	2,297.20	-1,373.30	419,662.08	738,780.50	32.152121	-103.695346
CSL Sec 8 into 5 - 11471.09 MD 9068.04 TVD									



Scientific Drilling, Intl
Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,497.00	92.28	1.67	9,067.13	2,323.08	-1,372.63	419,687.97	738,781.17	32.152193	-103.695344
11,592.00	90.81	1.61	9,064.56	2,418.00	-1,369.91	419,782.89	738,783.89	32.152453	-103.695333
11,687.00	91.65	0.74	9,062.53	2,512.96	-1,367.96	419,877.85	738,785.83	32.152714	-103.695325
11,781.00	90.57	1.49	9,060.70	2,606.92	-1,366.13	419,971.81	738,787.66	32.152973	-103.695317
11,876.00	88.79	1.24	9,061.23	2,701.89	-1,363.87	420,066.78	738,789.93	32.153234	-103.695308
11,970.00	88.96	359.91	9,063.08	2,795.87	-1,362.93	420,160.75	738,790.87	32.153492	-103.695303
12,065.00	89.87	358.82	9,064.05	2,890.85	-1,363.98	420,255.74	738,789.82	32.153753	-103.695305
12,160.00	89.09	359.78	9,064.91	2,985.84	-1,365.14	420,350.73	738,788.66	32.154014	-103.695307
12,254.00	88.42	2.70	9,066.96	3,079.78	-1,363.11	420,444.67	738,790.69	32.154272	-103.695298
12,349.00	88.52	2.67	9,069.49	3,174.65	-1,358.66	420,539.54	738,795.14	32.154533	-103.695282
12,443.00	89.93	1.72	9,070.76	3,268.57	-1,355.06	420,633.45	738,798.74	32.154791	-103.695269
12,538.00	89.80	2.14	9,070.99	3,363.51	-1,351.86	420,728.40	738,801.94	32.155052	-103.695257
12,633.00	89.03	3.14	9,071.96	3,458.40	-1,347.48	420,823.29	738,806.31	32.155313	-103.695241
12,728.00	88.56	2.47	9,073.96	3,553.27	-1,342.84	420,918.16	738,810.96	32.155574	-103.695224
12,822.00	89.83	1.55	9,075.28	3,647.20	-1,339.54	421,012.09	738,814.26	32.155832	-103.695211
12,917.00	90.67	2.22	9,074.86	3,742.14	-1,336.41	421,107.03	738,817.38	32.156093	-103.695199
13,012.00	90.47	2.86	9,073.92	3,837.05	-1,332.20	421,201.93	738,821.59	32.156353	-103.695184
13,106.00	88.99	2.74	9,074.36	3,930.93	-1,327.61	421,295.82	738,826.18	32.156611	-103.695167
13,201.00	89.60	2.75	9,075.53	4,025.81	-1,323.06	421,390.70	738,830.73	32.156872	-103.695151
13,296.00	89.43	0.89	9,076.33	4,120.76	-1,320.05	421,485.65	738,833.75	32.157133	-103.695139
13,390.00	90.03	0.76	9,076.78	4,214.75	-1,318.69	421,579.64	738,835.10	32.157391	-103.695133
13,511.00	92.38	1.13	9,074.23	4,335.69	-1,316.70	421,700.58	738,837.10	32.157724	-103.695124
13,606.00	91.28	1.58	9,071.20	4,430.62	-1,314.45	421,795.51	738,839.34	32.157985	-103.695115
13,701.00	89.63	359.97	9,070.44	4,525.60	-1,313.17	421,890.49	738,840.63	32.158246	-103.695109
13,795.00	88.69	359.48	9,071.82	4,619.59	-1,313.62	421,984.48	738,840.18	32.158504	-103.695109
13,890.00	88.09	359.37	9,074.49	4,714.54	-1,314.57	422,079.43	738,839.22	32.158765	-103.695110
13,985.00	88.76	359.15	9,077.10	4,809.50	-1,315.80	422,174.39	738,838.00	32.159026	-103.695112
14,080.00	87.82	358.83	9,079.94	4,904.44	-1,317.47	422,269.33	738,836.32	32.159287	-103.695116
14,174.00	87.35	359.23	9,083.90	4,998.34	-1,319.06	422,363.23	738,834.73	32.159545	-103.695119
14,269.00	87.11	358.96	9,088.49	5,093.22	-1,320.56	422,458.11	738,833.24	32.159806	-103.695122
14,363.00	86.71	358.37	9,093.55	5,187.06	-1,322.75	422,551.95	738,831.05	32.160064	-103.695128
14,458.00	88.39	359.22	9,097.62	5,281.95	-1,324.74	422,646.84	738,829.05	32.160325	-103.695132
14,553.00	90.03	359.24	9,098.93	5,376.93	-1,326.02	422,741.81	738,827.78	32.160586	-103.695135
14,647.00	90.94	359.60	9,098.13	5,470.92	-1,326.97	422,835.81	738,826.82	32.160844	-103.695136
14,741.00	90.17	359.86	9,097.22	5,564.91	-1,327.41	422,929.80	738,826.38	32.161103	-103.695135
14,836.00	90.60	0.30	9,096.58	5,659.91	-1,327.28	423,024.80	738,826.51	32.161364	-103.695133
14,931.00	90.44	359.74	9,095.72	5,754.90	-1,327.25	423,119.79	738,826.55	32.161625	-103.695131
15,026.00	91.98	358.75	9,093.71	5,849.87	-1,328.50	423,214.76	738,825.30	32.161886	-103.695134
15,120.00	89.83	357.46	9,092.23	5,943.80	-1,331.61	423,308.69	738,822.19	32.162144	-103.695142
15,215.00	88.72	357.52	9,093.43	6,038.70	-1,335.77	423,403.59	738,818.03	32.162405	-103.695153
15,310.00	90.03	357.78	9,094.47	6,133.61	-1,339.66	423,498.50	738,814.13	32.162666	-103.695164
15,405.00	90.44	357.67	9,094.08	6,228.54	-1,343.43	423,593.42	738,810.36	32.162927	-103.695175
15,499.00	86.78	356.98	9,096.36	6,322.39	-1,347.82	423,687.28	738,805.98	32.163185	-103.695187
15,594.00	90.81	358.92	9,098.35	6,417.28	-1,351.21	423,782.17	738,802.58	32.163446	-103.695196
15,689.00	90.81	359.12	9,097.01	6,512.26	-1,352.84	423,877.15	738,800.96	32.163707	-103.695199
15,783.00	91.81	359.73	9,094.86	6,606.23	-1,353.78	423,971.12	738,800.01	32.163966	-103.695201
15,878.00	90.03	358.52	9,093.34	6,701.20	-1,355.23	424,066.09	738,798.56	32.164227	-103.695204
15,972.00	90.60	359.52	9,092.82	6,795.18	-1,356.84	424,160.07	738,796.96	32.164485	-103.695207
16,067.00	92.08	0.88	9,090.60	6,890.15	-1,356.51	424,255.04	738,797.29	32.164746	-103.695204
16,162.00	86.98	357.71	9,091.38	6,985.10	-1,357.68	424,349.99	738,796.12	32.165007	-103.695206
16,257.00	88.39	357.37	9,095.21	7,079.93	-1,361.75	424,444.82	738,792.05	32.165268	-103.695217
16,352.00	89.02	357.72	9,097.36	7,174.82	-1,365.82	424,539.71	738,787.98	32.165529	-103.695229
16,446.00	91.28	1.00	9,097.12	7,268.79	-1,366.87	424,633.68	738,786.93	32.165787	-103.695230
16,541.00	92.99	1.71	9,093.58	7,363.70	-1,364.62	424,728.59	738,789.17	32.166048	-103.695221
16,636.00	94.78	1.70	9,087.14	7,458.43	-1,361.80	424,823.32	738,791.99	32.166308	-103.695210



Scientific Drilling, Intl
Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,730.00	93.49	1.43	9,080.36	7,552.15	-1,359.24	424,917.04	738,794.55	32.166566	-103.695200
16,764.61	92.94	8.63	9,078.42	7,586.55	-1,356.22	424,951.44	738,797.58	32.166660	-103.695190
CSL Sec 5 into 32 - 16764.61 MD 9078.42 TVD									
16,825.00	91.88	21.18	9,075.87	7,644.74	-1,340.72	425,009.63	738,813.07	32.166820	-103.695139
16,920.00	89.90	2.82	9,074.38	7,737.25	-1,321.06	425,102.14	738,832.73	32.167074	-103.695073
17,015.00	90.27	2.52	9,074.24	7,832.15	-1,316.64	425,197.04	738,837.16	32.167335	-103.695057
17,110.00	90.91	2.31	9,073.26	7,927.06	-1,312.64	425,291.95	738,841.16	32.167596	-103.695042
17,205.00	90.57	1.92	9,072.03	8,021.98	-1,309.13	425,386.87	738,844.67	32.167856	-103.695029
17,299.00	89.56	1.20	9,071.93	8,115.95	-1,306.57	425,480.84	738,847.23	32.168115	-103.695019
17,394.00	90.20	1.16	9,072.13	8,210.93	-1,304.62	425,575.81	738,849.18	32.168376	-103.695011
17,489.00	91.38	1.41	9,070.82	8,305.89	-1,302.48	425,670.78	738,851.31	32.168637	-103.695002
17,584.00	91.04	2.47	9,068.81	8,400.81	-1,299.27	425,765.70	738,854.53	32.168898	-103.694990
17,679.00	89.93	1.15	9,068.01	8,495.76	-1,296.27	425,860.65	738,857.53	32.169159	-103.694979
17,774.00	89.36	0.39	9,068.59	8,590.75	-1,294.99	425,955.64	738,858.80	32.169420	-103.694973
17,868.00	89.56	0.44	9,069.48	8,684.74	-1,294.31	426,049.63	738,859.48	32.169678	-103.694969
17,963.00	90.47	0.21	9,069.46	8,779.74	-1,293.77	426,144.63	738,860.02	32.169939	-103.694965
18,057.00	91.64	0.88	9,067.72	8,873.72	-1,292.88	426,238.61	738,860.92	32.170197	-103.694960
18,151.00	89.73	0.67	9,066.60	8,967.70	-1,291.61	426,332.59	738,862.19	32.170456	-103.694955
18,246.00	89.09	0.40	9,067.58	9,062.69	-1,290.72	426,427.58	738,863.08	32.170717	-103.694950
18,341.00	89.60	0.00	9,068.66	9,157.68	-1,290.39	426,522.57	738,863.41	32.170978	-103.694947
18,435.00	90.24	0.78	9,068.80	9,251.68	-1,289.75	426,616.57	738,864.05	32.171236	-103.694943
18,530.00	91.18	0.93	9,067.62	9,346.66	-1,288.33	426,711.55	738,865.46	32.171497	-103.694937
18,624.00	92.69	1.01	9,064.45	9,440.59	-1,286.74	426,805.48	738,867.05	32.171755	-103.694930
18,719.00	91.31	0.11	9,061.13	9,535.52	-1,285.81	426,900.41	738,867.98	32.172016	-103.694925
18,814.00	88.96	359.16	9,060.91	9,630.51	-1,286.42	426,995.40	738,867.38	32.172278	-103.694925
18,908.00	88.59	359.15	9,062.92	9,724.48	-1,287.81	427,089.37	738,865.99	32.172536	-103.694928
19,003.00	89.90	0.58	9,064.17	9,819.47	-1,288.03	427,184.36	738,865.77	32.172797	-103.694927
19,098.00	90.07	1.43	9,064.19	9,914.45	-1,286.36	427,279.34	738,867.43	32.173058	-103.694919
19,192.00	89.46	1.36	9,064.58	10,008.42	-1,284.07	427,373.31	738,869.72	32.173316	-103.694910
19,286.00	90.37	2.21	9,064.72	10,102.37	-1,281.15	427,467.26	738,872.65	32.173574	-103.694899
19,381.00	90.34	2.34	9,064.13	10,197.30	-1,277.38	427,562.19	738,876.42	32.173835	-103.694885
19,476.00	89.83	2.14	9,063.99	10,292.22	-1,273.66	427,657.11	738,880.13	32.174096	-103.694871
19,570.00	88.59	2.42	9,065.28	10,386.14	-1,269.92	427,751.03	738,883.87	32.174354	-103.694857
19,665.00	88.25	1.27	9,067.90	10,481.05	-1,266.87	427,845.94	738,886.93	32.174615	-103.694846
19,760.00	89.13	0.22	9,070.08	10,576.02	-1,265.63	427,940.91	738,888.17	32.174876	-103.694840
19,854.00	88.39	358.30	9,072.11	10,669.98	-1,266.84	428,034.87	738,886.95	32.175134	-103.694842
19,949.00	88.29	358.32	9,074.86	10,764.90	-1,269.64	428,129.79	738,884.15	32.175395	-103.694849
20,044.00	89.97	358.35	9,076.30	10,859.85	-1,272.40	428,224.74	738,881.39	32.175656	-103.694856
20,138.00	91.58	358.27	9,075.03	10,953.79	-1,275.18	428,318.68	738,878.62	32.175915	-103.694863
20,233.00	92.19	357.93	9,071.91	11,048.69	-1,278.32	428,413.58	738,875.47	32.176176	-103.694872
20,328.00	93.63	358.26	9,067.08	11,143.51	-1,281.48	428,508.40	738,872.32	32.176436	-103.694880
20,422.00	91.01	359.18	9,063.28	11,237.40	-1,283.58	428,602.29	738,870.22	32.176694	-103.694885
20,517.00	31.11	359.28	9,107.18	11,316.80	-1,284.66	428,681.69	738,869.13	32.176913	-103.694887
20,611.00	92.42	359.14	9,149.56	11,395.71	-1,285.78	428,760.60	738,868.01	32.177130	-103.694889
20,706.00	89.40	359.59	9,148.05	11,490.68	-1,286.84	428,855.57	738,866.96	32.177391	-103.694891
20,801.00	88.42	359.31	9,149.86	11,585.66	-1,287.75	428,950.55	738,866.05	32.177652	-103.694892
20,895.00	88.62	0.08	9,152.29	11,679.62	-1,288.25	429,044.51	738,865.55	32.177910	-103.694892
20,990.00	87.98	359.86	9,155.11	11,774.58	-1,288.30	429,139.47	738,865.50	32.178171	-103.694890
21,084.00	89.46	0.37	9,157.21	11,868.56	-1,288.11	429,233.45	738,865.69	32.178429	-103.694888
21,179.00	89.93	0.56	9,157.71	11,963.55	-1,287.34	429,328.44	738,866.46	32.178691	-103.694883
21,274.00	89.87	1.07	9,157.88	12,058.54	-1,285.99	429,423.43	738,867.81	32.178952	-103.694877
21,369.00	90.91	1.35	9,157.23	12,153.52	-1,283.98	429,518.41	738,869.82	32.179213	-103.694869
21,464.00	91.71	1.72	9,155.06	12,248.46	-1,281.44	429,613.35	738,872.36	32.179474	-103.694859
21,559.00	92.05	1.86	9,150.63	12,343.32	-1,277.22	429,708.21	738,876.57	32.179844	-103.694843
21,653.00	93.13	2.69	9,148.19	12,437.22	-1,275.08	429,802.11	738,878.72	32.179992	-103.694835



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #524H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Site:	Chincoteague 8-32 Fed State Com	MD Reference:	HP 265 3438 GL 26 KB @ 3464.00usft
Well:	#524H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
21,748.00	93.13	2.29	9,143.00	12,531.99	-1,270.96	429,896.88	738,882.84	32.180253	-103.694819
21,842.00	93.29	2.64	9,137.74	12,625.75	-1,266.92	429,990.64	738,886.87	32.180510	-103.694805
21,898.00	93.29	2.81	9,134.53	12,681.60	-1,264.27	430,046.49	738,889.53	32.180664	-103.694795
21,960.00	93.29	2.81	9,130.97	12,743.42	-1,261.23	430,108.31	738,892.57	32.180834	-103.694784
Actual BH: 125.99 FNL 2051.99 FEL - 21960 MD 9130.97 TVD - Y-430108.31 X-738892.57 - 32.180834°N 103.694784°W									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
11,471.09	9,068.04	2,297.20	-1,373.30	CSL Sec 8 into 5	
11,471.09	9,068.04	2,297.20	-1,373.30	11471.09 MD 9068.04 TVD	
16,764.61	9,078.42	7,586.55	-1,356.22	CSL Sec 5 into 32	
16,764.61	9,078.42	7,586.55	-1,356.22	16764.61 MD 9078.42 TVD	
21,960.00	9,130.97	12,743.42	-1,261.23	Actual BH: 125.99 FNL 2051.99 FEL	
21,960.00	9,130.97	12,743.42	-1,261.23	21960 MD 9130.97 TVD	
21,960.00	9,130.97	12,743.42	-1,261.23	Y-430108.31 X-738892.57	
21,960.00	9,130.97	12,743.42	-1,261.23	32.180834°N 103.694784°W	

Checked By: _____	Approved By: _____	Date: _____
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Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-103
 Revised August 1, 2011

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-46476
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator Devon Energy Production Company, L.P.		6. State Oil & Gas Lease No.
3. Address of Operator 333 West Sheridan, Oklahoma City, OK 73102		7. Lease Name or Unit Agreement Name CHINCOTEAGUE 8 32 FEDERAL STATE COM
4. Well Location Unit Letter <u>H</u> : <u>2313</u> feet from the <u>North</u> line and <u>725</u> feet from the <u>East</u> line Section <u>8</u> Township <u>25S</u> Range <u>32E</u> NMPM County <u>LEA</u>		8. Well Number 524H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL: 3438		9. OGRID Number 6137
		10. Pool name or Wildcat ; WC-025 G-06 S253206M; BONE SPRING

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: COMPLETION ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

8/5/2021-RIH W/ CBL TOOLS; LOGGED 8656' - 3900' W/ 1500 PSI. ON CSG ETOC @ 4480', 184' ABOVE INTERM SHOE. 8/26/2021-9/10/2021 MIRU WL & PT. PT csg to 12,000 PSI for 30min, OK.TIH w/pump through frac plug and guns. Perf BONESPRING, 9400-21923 Frac totals 18,813,000# prop, 352,445 bbl fluid, 33 bbls acid. DO plugs & CO to PBTD w/float collar 21933.2' MD/9132.5' TVD CHC, FWB, ND BOP. Tubing set: 10/9/2021; 8765.5, 262 JNT, 2-7/8" L-80 TOP: 10/25/2021

Formation/ Top Depth
 RUSTLER- 739
 SALT- 1104
 BASE OF SALT- 4373
 LAMAR- 4561
 DELAWARE- 4561
 CHERRY CANYON- 5769
 Brushy Canyon- 6690
 1st Bone Spring Lime- 8768
 Bone Spring 1st- 9857
 Bone Spring 2nd- 10075
 3rd Bone Spring Lime- 10581
 Bone Spring 3rd- 11332
 Wolfcamp- 11754
 Strawn- 13895

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jenny Harms TITLE Regulatory Specialist DATE 11/30/2021

Type or print name Jenny Harms E-mail address: jenny.harms@dvn.com PHONE: 405-552-6560

For State Use Only
 Jenny Harms

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised August 1, 2011					
		1. WELL API NO. 30-025-46476		2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN						
		3. State Oil & Gas Lease No.		5. Lease Name or Unit Agreement Name CHINCOTEAGUE 8 32 FEDERAL STATE COM						
				6. Well Number: 524H						
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)				5. Lease Name or Unit Agreement Name CHINCOTEAGUE 8 32 FEDERAL STATE COM						
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator Devon Energy Production Company, L.P.				9. OGRID 6137						
10. Address of Operator 333 West Sheridan Avenue, Oklahoma City, OK 73102				11. Pool name or Wildcat ; WC-025 G-06 S253206M; BONE SPRING						
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	H	8	25S	32E		2313	North	725	East	LEA
BH:	B	32	24S	32E		129	North	2052	East	LEA
13. Date Spudded 4/24/21	14. Date T.D. Reached 5/10/21	15. Date Rig Released 5/13/21		16. Date Completed (Ready to Produce) 10/25/21		17. Elevations (DF and RKB, RT, GR, etc.) 3438 GL				
18. Total Measured Depth of Well 21960 MD, 9130 TVD		19. Plug Back Measured Depth 21933 MD/9132 TVD		20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run CBL				
22. Producing Interval(s), of this completion - Top, Bottom, Name 9400-21923, WC-025 G-06 S253206M; BONE SPRING										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13.375		54.5		831		17.5		645		
9 5/8		40		4665		12.25		855		
5.5		20		13542		8.75				
5.5		20		21936		8.5		2663		TOC @ 4480
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						Tubing set: 10/9/2021; 8765.5, 262 JNT, 2-7/8" L-80				
26. Perforation record (interval, size, and number) 9400 - 21923, total 1504 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 9400-21923 Acidize and frac in 51 stages.				
28. PRODUCTION										
Date First Production 10/25/21		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) Producing				
Date of Test 10/30/21	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 1478	Gas - MCF 3076	Water - Bbl. 2064	Gas - Oil Ratio			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By			
31. List Attachments Directional Survey										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD 1927 1983				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature				Printed Name	Jenny Harms	Title	Regulatory Specialist	Date 11/30/2021		
E-mail Address	jenny.harms@dv.com									

INSTRUCTIONS

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

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
RUSTLER - 739			
SALT - 1104			
BASE OF SALT - 4373			
LAMAR - 4561			
DELAWARE - 4561			
CHERRY CANYON - 5769			
Brushy Canyon - 6690			
1st Bone Spring Lime - 8768			
Bone Spring 1st - 9857			
Bone Spring 2nd - 10075			
3rd Bone Spring Lime - 10581			
Bone Spring 3rd - 11332			
Wolfcamp - 11754			
Strawn - 13895			

OIL OR GAS SANDS OR ZONES

No. 1, from.....	to.....	No. 3, from.....	to.....
No. 2, from.....	N/A	No. 4, from.....	N/A
	N/A		N/A

IMPORTANT WATER SANDS

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

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

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) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 64111

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 64111
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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

CONDITIONS

Action 64111

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 64111
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
Ilowe	COA: File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	10/5/2022