

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS
Hobbs
DEC 13 2019

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NNNM100568	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other		6. If Indian, Allottee or Tribe Name	
2. Name of Operator DEVON ENERGY PRODUCTION CO. Email: rebecca.deal@dvn.com		7. Unit or CA Agreement Name and No.	
3. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102		8. Lease Name and Well No. MEAN GREEN 23-35 FED COM 2H	
3a. Phone No. (include area code) Ph: 405-228-8429		9. API Well No. 30-025-44596	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESE 2449FSL 860FEL At top prod interval reported below Sec 23 T26S R34E Mer SENE 2039FNL 565FEL At total depth NESE 20FSL 380FEL		10. Field and Pool, or Exploratory JABALINA; WOLFCAMP SOUTHW	
14. Date Spudded 10/02/2018		15. Date T.D. Reached 01/01/2019	
16. Date Completed ☐ D & A ☒ Ready to Prod. 07/12/2019		17. Elevations (DF, KB, RT, GL)* 3194 GL	
18. Total Depth: MD 23745 TVD 12714		19. Plug Back T.D.: MD 23660 TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL	
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	1039		757		0	316
10.625	8.625 P110EC	32.0	0	12348		1028		0	0
7.875	5.500 P110EC	20.0	0	23730		1890		7480	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	13466	23604	13466 TO 23604		1228	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
13466 TO 23604	66 BBLs ACID, 25,137,951# PROP

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/12/2019	08/03/2019	24	→	1396.0	1897.0	6431.0			FLWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		1554.0	→				1359		

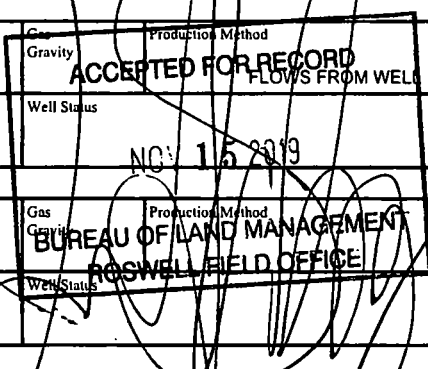
28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #477864 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **



Reclamation due: 01/12/2020

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	978	1280	BARREN	RUSTLER	978
SALADO	1280	5265	BARREN	SALADO	1280
B/SALT	5265	5311	BARREN	B/SALT	5265
DELAWARE	5311	9442	OIL/GAS	DELAWARE	5311
BONE SPRING	9442	12614	OIL/GAS	BONE SPRING	9442
WOLFCAMP	12614			WOLFCAMP	12614

32. Additional remarks (include plugging procedure):

Intermediate casing as follows: TD 10-5/8? hole @ 8843? & 9-7/8? hole @ 12,348?. RIH w/ 113 jts 8-5/8? 32# P-110EC BTC csg & 161 jts 8-5/8? 32# P-110EC VAM FJL csg, set @ 12,334?.

Production casing as follows: TD 7-7/8? hole @ 23,745?. RIH w/ 511 jts 5-1/2? 20# P-110EC csg & 2jts 4-1/2? P-110 csg, set @ 23,730?.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #477864 Verified by the BLM Well Information System.
For DEVON ENERGY PRODUCTION CO, LP, sent to the Hobbs
Committed to AFMSS for processing by JENNIFER SANCHEZ on 11/14/2019 ()

Name (please print) REBECCA DEALTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 08/13/2019

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

DISTRICT I
1625 N. FRENCH DR., HOBBES, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 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) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-44596	Pool Code 96776	Pool Name JABALINA; WOLFCAMP, SOUTHWEST
Property Code 320992	Property Name MEAN GREEN 23-35 FED COM	Well Number 2H
OGRD No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3193.3'

Surface Location

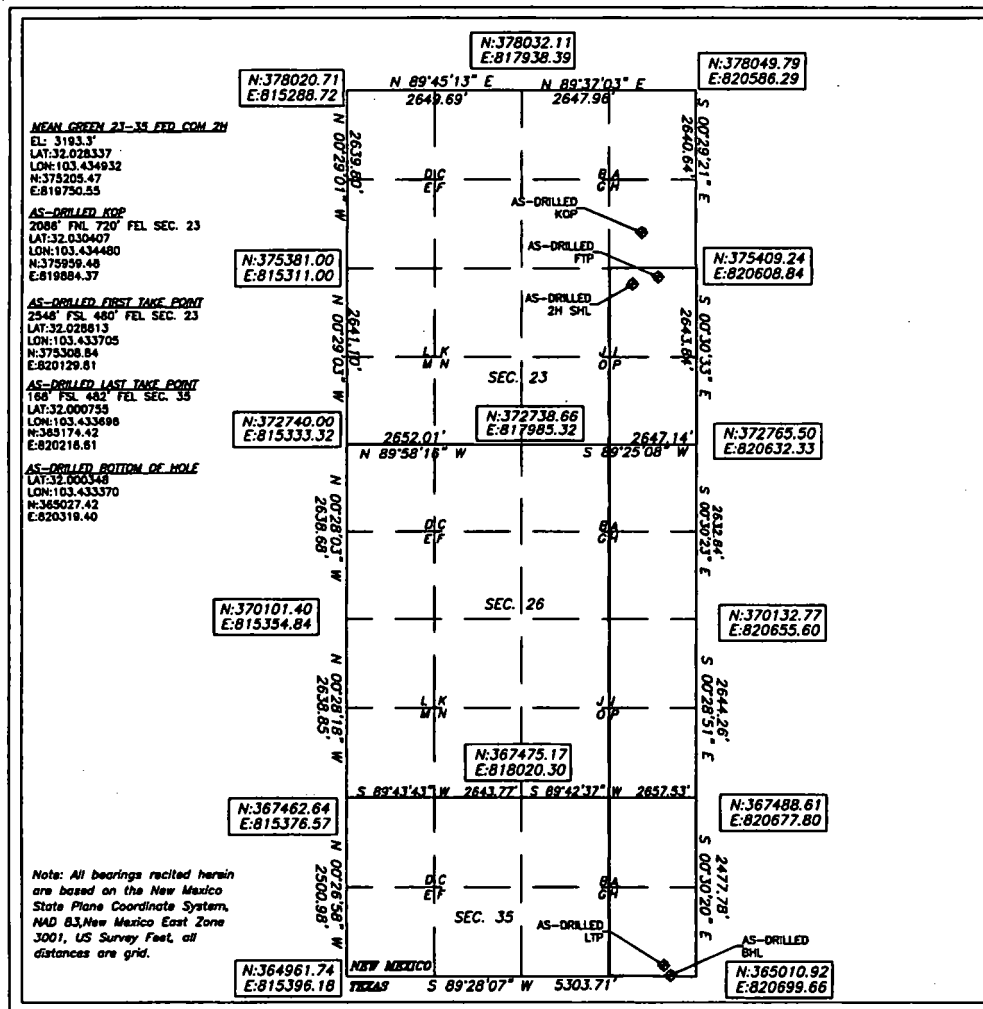
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	23	26-S	34-E		2449	SOUTH	860	EAST	LEA

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
H	35	26-S	34-E		20	SOUTH	380	EAST	LEA

Dedicated Acres 315.2	Joint or Infill	Consolidation Code	Order No.
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**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**



OPERATOR CERTIFICATION

I hereby certify that the information 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.

Rebecca Deal 8/5/2019

Signature Date

Rebecca Deal, Regulatory Analyst

Printed Name

rebecca.deal@dvn.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.

02/2019

Date of Survey

Signature & Seal of Professional Surveyor



08/01/19

Certificate No. 22404 B.L. LAMAN

W.O. # DRAWN BY: CM

Intent ☐ As Drilled ☒

API # 30-025-44596			
Operator Name: DEVON ENERGY PRODUCTION COMPANY, LP.		Property Name: MEAN GREEN 23-35 FED COM	Well Number 2H

Kick Off Point (KOP)

UL H	Section 23	Township 26-S	Range 34-E	Lot	Feet 2086	From N/S NORTH	Feet 720	From E/W EAST	County LEA
Latitude 32.030407					Longitude 103.434480			NAD 83	

First Take Point (FTP)

UL I	Section 23	Township 26-S	Range 34-E	Lot	Feet 2548	From N/S SOUTH	Feet 480	From E/W EAST	County LEA
Latitude 32.028613					Longitude 103.433705			NAD 83	

Last Take Point (LTP)

UL H	Section 35	Township 26-S	Range 34-E	Lot	Feet 168	From N/S SOUTH	Feet 482	From E/W EAST	County LEA
Latitude 32.000755					Longitude 103.433698			NAD 83	

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

Is this well an infill well? ☐

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

API #			
Operator Name:		Property Name:	Well Number

KZ 06/29/2018

Devon

Mean Green 23-35 Fed Com 2H

H&P 466

This survey is correct to the best of my knowledge and is supported by actual field data.

Lacey D. Brate

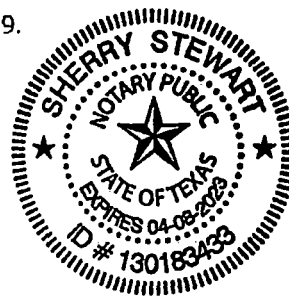
Notarized this data 8th of August, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



Scientific Drilling

The

In Wellbore Placement

Devon Energy

Lea County, NM (NAD83 NME)

Mean Green 23-25 Fed Com

2H

Sidetrack 1

Survey: SDI ST Survey #1

Regulatory Report (Grid North)

05 February, 2019

Scientific Drilling, Intl
Regulatory Report (Grid North)

Company: Devon Energy
Project: Lea County, NM (NAD83 NME)
Site: Mean Green 23-25 Fed Com
Well: 2H
Wellbore: Sidetrack 1
Design: ST OH

Local Co-ordinate Reference: Well 2H
TVD Reference: KB = 26' @ 3219.00usft (H&P 466)
MD Reference: KB = 26' @ 3219.00usft (H&P 466)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland District

Project Lea County, NM (NAD83 NME)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level
Using geodetic scale factor

Site Mean Green 23-25 Fed Com

Site Position:	Northing:	375,205.44 usft	Latitude:	32° 1' 42.017 N
From: Map	Easting:	819,720.56 usft	Longitude:	103° 26' 6.103 W
Position Uncertainty: 0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.48 °

Well 2H

Well Position	+N/-S	0.00 usft	Northing:	375,205.47 usft	Latitude:	32° 1' 42.015 N
	+E/-W	0.00 usft	Easting:	819,750.55 usft	Longitude:	103° 26' 5.755 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,193.00 usft

Wellbore Sidetrack 1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	12/15/2018	6.65	59.68	47,704

Design ST OH

Audit Notes:

Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 12,503.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (bearing)
	0.00	0.00	0.00	176.80

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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland District

Survey Program		Date	2/5/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
179.00	12,503.00	SDI Survey #1 (OH)	MWD+HDGM	OWSG MWD + HDGM	
12,540.00	23,745.00	SDI ST Survey #1 (Sidetrack 1)	MWD+HDGM	OWSG MWD + HDGM	

Survey									
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)
12,503.00	29.54	81.86	12,431.18	-745.21	752.83	115.50	0.00	8.72	761.64
12,540.00	30.11	90.67	12,463.30	-745.37	754.02	133.82	11.93	10.06	765.80
12,570.00	26.77	98.42	12,489.68	-743.50	752.94	148.04	16.57	11.12	767.35
12,615.00	26.52	112.97	12,529.95	-737.02	747.53	167.33	14.48	12.62	766.03
12,665.00	31.11	118.35	12,573.75	-725.33	737.03	189.00	10.54	14.38	760.88
12,710.00	36.21	125.74	12,611.21	-710.88	723.73	210.04	14.52	16.18	753.59
12,759.00	40.05	132.92	12,649.76	-690.40	704.53	233.35	11.96	18.33	742.16
12,806.00	44.07	135.44	12,684.65	-667.22	682.57	255.90	9.28	20.55	728.97
12,853.00	47.51	138.28	12,717.43	-641.39	657.98	278.91	8.50	22.97	714.65
12,898.00	50.83	141.51	12,746.85	-614.15	631.93	300.82	9.16	25.46	699.88
12,947.00	55.93	149.94	12,776.10	-580.48	599.44	322.85	17.28	28.31	680.85
12,992.00	61.64	157.13	12,799.44	-545.15	565.01	339.91	18.64	31.03	659.37
13,042.00	69.20	164.68	12,820.24	-501.47	522.08	354.67	20.41	34.19	631.16
13,096.00	76.91	171.91	12,835.99	-450.45	471.56	365.07	19.17	37.75	596.36
13,145.00	81.08	174.13	12,845.34	-402.47	423.83	370.91	9.60	41.19	563.21
13,192.00	86.47	177.09	12,850.44	-355.78	377.27	374.48	13.06	44.79	531.57
13,239.00	89.23	178.76	12,852.20	-308.83	330.34	376.18	6.86	48.71	500.63
13,333.00	89.87	179.22	12,852.94	-214.90	236.36	377.83	0.84	57.97	445.67
13,428.00	90.17	179.63	12,852.91	-120.00	141.36	378.79	0.53	69.53	404.31
13,522.00	89.29	178.94	12,853.35	-26.09	47.37	379.96	1.19	82.89	382.90
13,616.00	88.76	178.89	12,854.95	67.83	-46.60	381.74	0.57	96.96	384.57

Scientific Drilling, Intl
Regulatory Report (Grid North)

Company: Devon Energy
Project: Lea County, NM (NAD83 NME)
Site: Mean Green 23-25 Fed Com
Well: 2H
Wellbore: Sidetrack 1
Design: ST OH

Local Co-ordinate Reference: Well 2H
TVD Reference: KB = 26' @ 3219.00usft (H&P 466)
MD Reference: KB = 26' @ 3219.00usft (H&P 466)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland District

Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)
13,710.00	90.30	178.62	12,855.72	161.77	-140.57	383.78	1.66	110.12	408.71
13,804.00	90.03	178.19	12,855.45	255.73	-234.53	386.40	0.54	121.26	452.00
13,939.00	90.00	177.06	12,855.41	390.72	-369.41	391.99	0.84	133.30	538.63
14,033.00	90.10	178.97	12,855.33	484.69	-463.35	395.25	2.03	139.54	609.03
14,127.00	90.07	179.59	12,855.19	578.60	-557.34	396.43	0.66	144.58	683.95
14,222.00	90.03	179.84	12,855.11	673.48	-652.34	396.90	0.27	148.68	763.60
14,316.00	90.24	180.09	12,854.89	767.34	-746.34	396.96	0.35	151.99	845.34
14,411.00	89.97	180.39	12,854.71	862.17	-841.34	396.56	0.42	154.76	930.12
14,505.00	89.83	180.88	12,854.88	955.95	-935.33	395.52	0.54	157.08	1,015.52
14,599.00	90.34	179.31	12,854.74	1,049.80	-1,029.33	395.36	1.76	158.99	1,102.65
14,693.00	90.37	179.82	12,854.16	1,143.68	-1,123.33	396.08	0.54	160.58	1,191.11
14,787.00	90.44	180.50	12,853.49	1,237.52	-1,217.32	395.81	0.73	161.99	1,280.06
14,881.00	90.34	180.21	12,852.85	1,331.34	-1,311.32	395.23	0.33	163.23	1,369.59
14,976.00	90.37	179.17	12,852.26	1,426.21	-1,406.31	395.75	1.10	164.28	1,460.94
15,070.00	90.47	180.02	12,851.57	1,520.10	-1,500.31	396.41	0.91	165.20	1,551.79
15,164.00	90.27	179.39	12,850.97	1,613.97	-1,594.30	396.89	0.70	166.02	1,642.96
15,258.00	90.40	179.78	12,850.42	1,707.86	-1,688.30	397.58	0.44	166.75	1,734.48
15,353.00	90.23	179.61	12,849.89	1,802.74	-1,783.30	398.08	0.25	167.42	1,827.19
15,447.00	90.27	179.22	12,849.48	1,896.64	-1,877.29	399.04	0.42	168.00	1,919.23
15,542.00	90.27	179.63	12,849.04	1,991.54	-1,972.29	399.99	0.43	168.54	2,012.44
15,636.00	90.20	179.05	12,848.65	2,085.44	-2,066.28	401.08	0.62	169.02	2,104.84
15,730.00	90.44	179.24	12,848.13	2,179.36	-2,160.27	402.48	0.33	169.45	2,197.44
15,825.00	90.20	179.26	12,847.60	2,274.28	-2,255.26	403.72	0.25	169.85	2,291.11
15,919.00	90.34	179.02	12,847.15	2,368.20	-2,349.24	405.13	0.30	170.22	2,383.92
16,013.00	90.34	178.90	12,846.59	2,462.13	-2,443.23	406.84	0.13	170.55	2,476.87
16,108.00	90.64	179.56	12,845.78	2,557.04	-2,538.21	408.12	0.76	170.87	2,570.82
16,202.00	90.57	180.32	12,844.79	2,650.89	-2,632.21	408.22	0.81	171.18	2,663.67

Scientific Drilling, Intl
Regulatory Report (Grid North)

Company: Devon Energy
Project: Lea County, NM (NAD83 NME)
Site: Mean Green 23-25 Fed Com
Well: 2H
Wellbore: Sidetrack 1
Design: ST OH

Local Co-ordinate Reference: Well 2H
TVD Reference: KB = 26' @ 3219.00usft (H&P 466)
MD Reference: KB = 26' @ 3219.00usft (H&P 466)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland District

Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)
16,297.00	90.44	179.45	12,843.95	2,745.75	-2,727.20	408.41	0.93	171.48	2,757.61
16,391.00	90.10	179.21	12,843.51	2,839.66	-2,821.20	409.51	0.44	171.74	2,850.76
16,485.00	90.37	178.97	12,843.12	2,933.58	-2,915.18	411.00	0.38	171.98	2,944.01
16,551.58	90.23	178.76	12,842.78	3,000.11	-2,981.74	412.31	0.37	172.13	3,010.12
T1[MG12H-STPlan#2]									
16,579.00	90.17	178.68	12,842.68	3,027.52	-3,009.16	412.93	0.37	172.19	3,037.36
16,674.00	90.84	179.66	12,841.84	3,122.43	-3,104.15	414.30	1.25	172.40	3,131.67
16,768.00	90.57	178.99	12,840.69	3,216.33	-3,198.13	415.41	0.77	172.60	3,225.00
16,862.00	91.28	179.23	12,839.17	3,310.25	-3,292.11	416.87	0.80	172.78	3,318.40
16,956.00	88.49	176.98	12,839.36	3,404.21	-3,386.04	419.98	3.81	172.93	3,411.99
17,050.00	90.07	178.17	12,840.54	3,498.18	-3,479.95	423.95	2.10	173.05	3,505.67
17,145.00	91.85	179.28	12,838.95	3,593.11	-3,574.90	426.07	2.21	173.20	3,600.20
17,239.00	92.08	180.00	12,835.72	3,686.94	-3,668.85	426.66	0.80	173.37	3,693.57
17,333.00	92.18	180.14	12,832.23	3,780.72	-3,762.78	426.54	0.18	173.53	3,786.88
17,427.00	92.18	180.31	12,828.66	3,874.49	-3,856.71	426.17	0.18	173.69	3,880.19
17,522.00	92.15	180.15	12,825.07	3,969.25	-3,951.64	425.79	0.17	173.85	3,974.52
17,617.00	91.21	179.40	12,822.28	4,064.08	-4,046.60	426.17	1.27	173.99	4,068.98
17,711.00	92.12	180.17	12,819.55	4,157.91	-4,140.56	426.52	1.27	174.12	4,162.47
17,806.00	91.91	180.26	12,816.21	4,252.68	-4,235.50	426.16	0.24	174.25	4,256.88
17,900.00	90.37	180.03	12,814.34	4,346.50	-4,329.48	425.92	1.66	174.38	4,350.38
17,995.00	90.57	182.87	12,813.56	4,441.18	-4,424.43	423.52	3.00	174.53	4,444.66
18,089.00	91.38	183.31	12,811.96	4,534.60	-4,518.28	418.45	0.98	174.71	4,537.62
18,183.00	91.98	181.11	12,809.20	4,628.13	-4,612.17	414.83	2.42	174.86	4,630.78
18,278.00	91.28	178.76	12,806.50	4,722.94	-4,707.12	414.94	2.58	174.96	4,725.37
18,372.00	90.54	176.66	12,805.01	4,816.91	-4,801.03	418.69	2.37	175.02	4,819.25
18,466.00	90.57	177.84	12,804.10	4,910.90	-4,894.91	423.20	1.26	175.06	4,913.17
18,560.00	91.24	179.78	12,802.61	5,004.83	-4,988.88	425.16	2.18	175.13	5,006.96

Scientific Drilling, Intl
Regulatory Report (Grid North)

Company: Devon Energy
Project: Lea County, NM (NAD83 NME)
Site: Mean Green 23-25 Fed Com
Well: 2H
Wellbore: Sidetrack 1
Design: ST OH

Local Co-ordinate Reference: Well 2H
TVD Reference: KB = 26' @ 3219.00usft (H&P 466)
MD Reference: KB = 26' @ 3219.00usft (H&P 466)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland District

Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)
18,655.00	91.14	178.82	12,800.64	5,099.72	-5,083.85	426.32	1.02	175.21	5,101.69
18,749.00	90.94	178.87	12,798.93	5,193.64	-5,177.81	428.21	0.22	175.27	5,195.49
18,844.00	90.91	178.69	12,797.40	5,288.57	-5,272.78	430.23	0.19	175.34	5,290.30
18,938.00	90.91	179.27	12,795.91	5,382.49	-5,366.75	431.91	0.62	175.40	5,384.10
19,033.00	90.84	179.40	12,794.46	5,477.39	-5,461.73	433.01	0.16	175.47	5,478.87
19,127.00	90.60	178.57	12,793.28	5,571.31	-5,555.71	434.67	0.92	175.53	5,572.69
19,221.00	91.04	179.35	12,791.93	5,665.23	-5,649.68	436.38	0.95	175.58	5,666.51
19,316.00	90.27	178.42	12,790.84	5,760.16	-5,744.66	438.23	1.27	175.64	5,761.35
19,410.00	90.03	178.03	12,790.60	5,854.13	-5,838.61	441.14	0.49	175.68	5,855.25
19,504.00	90.81	178.76	12,789.91	5,948.09	-5,932.57	443.77	1.14	175.72	5,949.15
19,598.00	90.60	179.09	12,788.75	6,042.02	-6,026.55	445.54	0.42	175.77	6,042.99
19,693.00	90.50	179.13	12,787.84	6,136.94	-6,121.53	447.01	0.11	175.82	6,137.83
19,787.00	90.84	181.43	12,786.74	6,230.75	-6,215.52	446.55	2.47	175.89	6,231.54
19,882.00	90.71	181.28	12,785.46	6,325.45	-6,310.48	444.31	0.21	175.97	6,326.10
19,976.00	91.17	181.69	12,783.91	6,419.12	-6,404.44	441.87	0.66	176.05	6,419.66
20,070.00	90.84	181.50	12,782.27	6,512.77	-6,498.39	439.25	0.41	176.13	6,513.22
20,164.00	90.54	181.28	12,781.13	6,606.47	-6,592.35	436.97	0.40	176.21	6,606.82
20,259.00	89.13	180.87	12,781.41	6,701.20	-6,687.33	435.19	1.55	176.28	6,701.48
20,354.00	89.90	181.44	12,782.21	6,795.92	-6,782.31	433.28	1.01	176.34	6,796.13
20,448.00	91.11	181.42	12,781.38	6,889.61	-6,876.27	430.93	1.29	176.41	6,889.76
20,542.00	90.91	180.31	12,779.73	6,983.36	-6,970.25	429.51	1.20	176.47	6,983.47
20,637.00	91.31	180.16	12,777.89	7,078.17	-7,065.23	429.12	0.45	176.52	7,078.25
20,730.00	91.58	180.23	12,775.54	7,170.97	-7,158.20	428.81	0.30	176.57	7,171.03
20,825.00	91.11	178.91	12,773.31	7,265.83	-7,253.17	429.52	1.47	176.61	7,265.87
20,919.00	91.41	178.95	12,771.24	7,359.75	-7,347.13	431.27	0.32	176.64	7,359.77
21,013.00	91.51	178.49	12,768.85	7,453.66	-7,441.07	433.37	0.50	176.67	7,453.68
21,108.00	91.17	178.44	12,766.63	7,548.60	-7,536.01	435.92	0.36	176.69	7,548.61

Scientific Drilling, Intl Regulatory Report (Grid North)

Company: Devon Energy
Project: Lea County, NM (NAD83 NME)
Site: Mean Green 23-25 Fed Com
Well: 2H
Wellbore: Sidetrack 1
Design: ST OH

Local Co-ordinate Reference: Well 2H
TVD Reference: KB = 26' @ 3219.00usft (H&P 466)
MD Reference: KB = 26' @ 3219.00usft (H&P 466)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland District

Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)
21,202.00	92.15	177.67	12,763.90	7,642.53	-7,629.92	439.11	1.33	176.71	7,642.54
21,296.00	91.17	177.68	12,761.18	7,736.48	-7,723.80	442.92	1.04	176.72	7,736.49
21,390.00	91.21	178.43	12,759.23	7,830.44	-7,817.72	446.11	0.80	176.73	7,830.44
21,484.00	91.04	179.51	12,757.38	7,924.35	-7,911.69	447.80	1.16	176.76	7,924.35
21,579.00	91.11	179.93	12,755.60	8,019.21	-8,006.67	448.26	0.45	176.80	8,019.21
21,673.00	91.24	179.54	12,753.67	8,113.07	-8,100.65	448.70	0.44	176.83	8,113.07
21,769.00	91.17	178.89	12,751.65	8,208.96	-8,196.62	450.01	0.68	176.86	8,208.96
21,864.00	91.48	179.45	12,749.46	8,303.85	-8,291.58	451.39	0.67	176.88	8,303.86
21,959.00	91.31	179.32	12,747.14	8,398.73	-8,386.55	452.41	0.23	176.91	8,398.74
22,054.00	92.88	179.69	12,743.67	8,493.56	-8,481.48	453.23	1.70	176.94	8,493.58
22,149.00	91.48	179.59	12,740.06	8,588.37	-8,576.41	453.82	1.48	176.97	8,588.41
22,243.00	91.31	179.52	12,737.77	8,682.23	-8,670.38	454.55	0.20	177.00	8,682.28
22,337.00	91.14	178.97	12,735.76	8,776.12	-8,764.35	455.79	0.61	177.02	8,776.19
22,432.00	91.58	179.87	12,733.51	8,871.00	-8,859.31	456.75	1.05	177.05	8,871.08
22,526.00	90.94	179.36	12,731.44	8,964.86	-8,953.29	457.38	0.87	177.08	8,964.96
22,620.00	91.17	179.71	12,729.71	9,058.74	-9,047.27	458.15	0.45	177.10	9,058.86
22,714.00	91.21	179.50	12,727.76	9,152.60	-9,141.25	458.80	0.23	177.13	9,152.75
22,809.00	91.01	179.56	12,725.92	9,247.48	-9,236.23	459.57	0.22	177.15	9,247.65
22,904.00	91.04	179.85	12,724.22	9,342.34	-9,331.21	460.06	0.31	177.18	9,342.54
22,999.00	90.95	179.92	12,722.57	9,437.19	-9,426.19	460.25	0.12	177.20	9,437.42
23,093.00	89.56	179.22	12,722.15	9,531.08	-9,520.19	460.96	1.66	177.23	9,531.34
23,188.00	89.83	178.97	12,722.65	9,626.00	-9,615.17	462.46	0.39	177.25	9,626.29
23,282.00	90.74	179.16	12,722.19	9,719.92	-9,709.16	463.99	0.99	177.26	9,720.24
23,376.00	91.38	179.99	12,720.45	9,813.79	-9,803.14	464.69	1.11	177.29	9,814.15
23,471.00	91.71	179.83	12,717.89	9,908.62	-9,898.11	464.84	0.39	177.31	9,909.01
23,565.00	90.90	179.35	12,715.74	10,002.48	-9,992.08	465.51	1.00	177.33	10,002.92

Scientific Drilling, Intl
Regulatory Report (Grid North)

Company: Devon Energy
Project: Lea County, NM (NAD83 NME)
Site: Mean Green 23-25 Fed Com
Well: 2H
Wellbore: Sidetrack 1
Design: ST OH

Local Co-ordinate Reference: Well 2H
TVD Reference: KB = 26' @ 3219.00usft (H&P 466)
MD Reference: KB = 26' @ 3219.00usft (H&P 466)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland District

Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)
23,570.59	90.88	179.33	12,715.66	10,008.07	-9,997.67	465.58	0.46	177.33	10,008.50
BHL.PLAT[MG12H]									
23,576.74	90.86	179.31	12,715.56	10,014.21	-10,003.82	465.65	0.46	177.33	10,014.65
BHL.PLAT[MG12H-STPlan#2]									
23,659.00	90.60	179.04	12,714.51	10,096.39	-10,086.06	466.83	0.46	177.35	10,096.86
23,723.00	90.00	179.13	12,714.18	10,160.34	-10,150.05	467.86	0.95	177.36	10,160.83
FINAL MWD Survey (23723.00' MD)									
23,745.00	90.00	179.13	12,714.18	10,182.32	-10,172.05	468.19	0.00	177.36	10,182.82
FINAL Proj. to Bit (23745.00' MD) - BHL[MG#2H-STPlan#2] - BHL.FINAL[MG12H]									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
23,723.00	12,714.18	-10,150.05	467.86	FINAL MWD Survey (23723.00' MD)
23,745.00	12,714.18	-10,172.05	468.19	FINAL Proj. to Bit (23745.00' MD)

Checked By: _____ Approved By: _____ Date: _____