Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory

https://www.emnrd.nm.gov/ocd/contact-us

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

Form C-101 August 1, 2011

Permit 380356

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

		•						
Operator Name and Address	2. OGRID Number							
DEVON ENERGY PRODUCTION	DEVON ENERGY PRODUCTION COMPANY, LP							
333 West Sheridan Ave.	3. API Number							
Oklahoma City, OK 73102		30-015-56186						
4. Property Code	5. Property Name	6. Well No.						
337034	221H							

7. Surface Location E/W Line UL - Lot Lot Idn N/S Line Section Township Range Feet From County Feet From 20S 30E 1400 2196 W 18 Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Range Lot Idn F		N/S Line	Feet From	E/W Line	County
Α	16	20S	30E	Α	720	N	20	E	Eddy

9. Pool Information

PARKWAY;BONE SPRING	49622

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation	
New Well	OIL		State	3276	
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date	
N	19772	Bone Spring		4/28/2025	
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water	

${\ensuremath{\overline{\boxtimes}}}$ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	329	277	0
Int1	12.25	10.75	45.5	1705	192	0
Int2	9.875	8.625	32	3754	194	0
Prod	7.875	5.5	20	19772	1549	6953

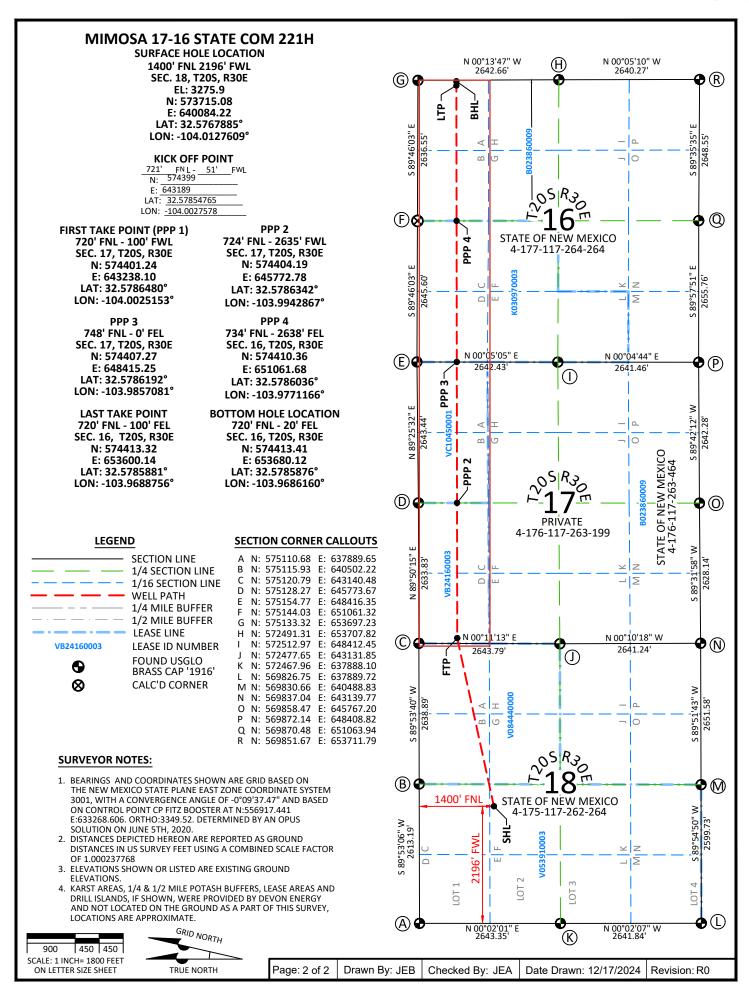
Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer
Annular	5000	2500	
Blind	5000	5000	
Double Ram	5000	5000	
Annular	5000	5000	
Blind	5000	5000	
Double Ram	5000	5000	

knowledge and	belief. I have complied with 19.15.14.9 (A)	true and complete to the best of my NMAC ⊠ and/or 19.15.14.9 (B) NMAC		OIL CONSE	RVATION DIVISION
Printed Name:	Electronically filed by Jeff Walla		Approved By:	Matthew Gomez	
Title:	Supervisor Land		Title:		
Email Address:	Jeff.Walla@dvn.com		Approved Date:	2/13/2025	Expiration Date: 2/13/2027
Date:	1/10/2025	Phone: 575-748-9925	Conditions of Apr	proval Attached	

C-10	2		State of New Mexico								Revi	sed July 9, 2024
<u> </u>	<u>_</u>		Enorgy								X Initial Su	• •
	Electronica				erals & Natural Resources Department CONSERVATION DIVISION					Submittal		
Via OC	D Permittin	g	'	JIL C	CONSERVATION DIVISION					Type:	☐ Amende	
											☐ As Drille	ed .
WELL LOCATION INFORMATION												
API Nu	mber 30-0	15-56186	Pool Code	496	22		Pool Name	PARKW	AY; BONE	SPRING		
Propert	v Code	37034	Property Na	ame	MIMOSA 1	7-1	.6 STATE CO	M			Well Numb	per
OGRID	No. 6	137	Operator N	ame	DEVON EN	ERG	GY PRODUC	TION C	OMPANY,	L.P.	Ground Le	vel Elevation
Surface	e Owner: X	State □ Fee	☐ Tribal ☐	Federal			Mineral (Owner: 🛚	I State □ Fee	e 🗌 Tribal 🛭		
Surface Location												
UL	Section	Township	Range	Lot	Ft. from N	_	Ft. from E/W	Latitude		Longitude		County
F	18	20-S	30-E	N/A	1400/1	N	2196/W	32.5	767885°	-104.0	127609°	EDDY
							m Hole Location	on				
UL	Section	Township	Range	Lot	Ft. from N	1/S	Ft. from E/W	Latitude		Longitude		County
Α	16	20-S	30-E	N/A	720/N	I	20/E	32.5	5785876°	-103.9	686160°	EDDY
Dodicat	ted Acres	Infill or Defin	ing Mall	Dofini	ng Well API		Overlen:	ng Crasi	ng Unit (Y/N)	Consolida	ition Code	
320	ieu Acies	DEFINING	_	Dellilli	ng Well AFI		NO	ng Spaci	rig Offit (1714)	Corisolida	ition code	
Order N	Numbers.						Well setba	acks are	under Commo	on Ownersh	ip: ⊠Yes □N	No
					К	ick (Off Point (KOP)				
UL	Section	Township	Range	Lot	Ft. from N	_	Ft. from E/W	Latitud	е	Longitude	9	County
D	17	20-S	30-E	N/A	721/N		51/W	32.57	7854765 -104.0		027578	EDDY
							Take Point (FT	P)				
UL	Section	Township	Range	Lot	Ft. from N	1	Ft. from E/W			Longitude		County
D	17	20-S	30-E	N/A			100/W		5786480°	-104.0	0025153°	EDDY
		·	D				Take Point (LT			1	_	0
UL .	Section	Township	Range	Lot	Ft. from N		Ft. from E/W	Latitude		Longitude		County
Α	16	20-S	30-E	N/A	720/N	J	100/E	32.5	5785881°	-103.9	688756°	EDDY
Unitized	d Area: □	Area of Unif	orm Interest:		Spacing I	l Init	Type: X Horiz	ontal [☐ Vertical	Ground I	Floor Elevation	on:
Officized	a Alea.	Area or orm	orm interest.		opacing (OTIIC	Type. La Honz	.oricai [
OPERA	TOR CERTII	FICATIONS:							SURVEYO	R CERTIFICA	TIONS:	
true and belief, a that this unleased propose	d complete to nd, if the we s organization d mineral int ed bottom ho	the information the best of my Il is a vertical or n either owns a erest in the land le location or h ion pursuant to	y knowledge and directional working interesting interesting the direction as a right to direction.	nd ell, est or : ill	SURVEYOR NOTES: 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. PLANE EAST ZONE COORDINATE SYSTEM 3001, WITH CONVERGENCE ANGLE OF -0°09'37.47" AND BASED ON CONTROL						surveys made by	
owner of interest, compuls division.	of a working i , or to a volu sory pooling	nterest or unle ntary pooling a order heretofo	ased mineral greement or a re entered by t	he	POINT CP FIT E:633268.600 DETERMINED UNE 5TH, 20 2. DISTANCES D	TZ BO 6. OR D BY A 20. DEPIC	OSTER AT N:55691 ITHO:3349.52. AN OPUS SOLUTIO TED HEREON ARE	.7.441 N ON J	L	1 (M)	E. ALLEN MEXICO	10
If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. 12/19/24					REPORTED AS GROUND DISTANCES IN US SURVEY FEET USING A COMBINED SCALE FACTOR OF 1.000237768 3. ELEVATIONS SHOWN OR LISTED ARE EXISTING GROUND ELEVATIONS. 4. KARST AREAS, 1/4 & 1/2 MILE POTASH BUFFERS, LEASE AREAS AND DRILL ISLANDS, IF SHOWN, WERE PROVIDED BY DEVON ENERGY AND NOT LOCATED ON THE					8		
Signatur SHAN	e Dee thoma	S	Date				RT OF THIS SURVE APPROXIMATE.	.,			of Professiona	•
Printed SHANI		S@DVN.COM							20250 Certificate N	<u>John E.</u> o. Name	Allen	12/17/24 Date of Survey
E-mail A			Page: 1 of 2	Dra	awn By: JEB	Checked	By: JEA D	ate Drawn:	12/17/2024	Revision: R0		



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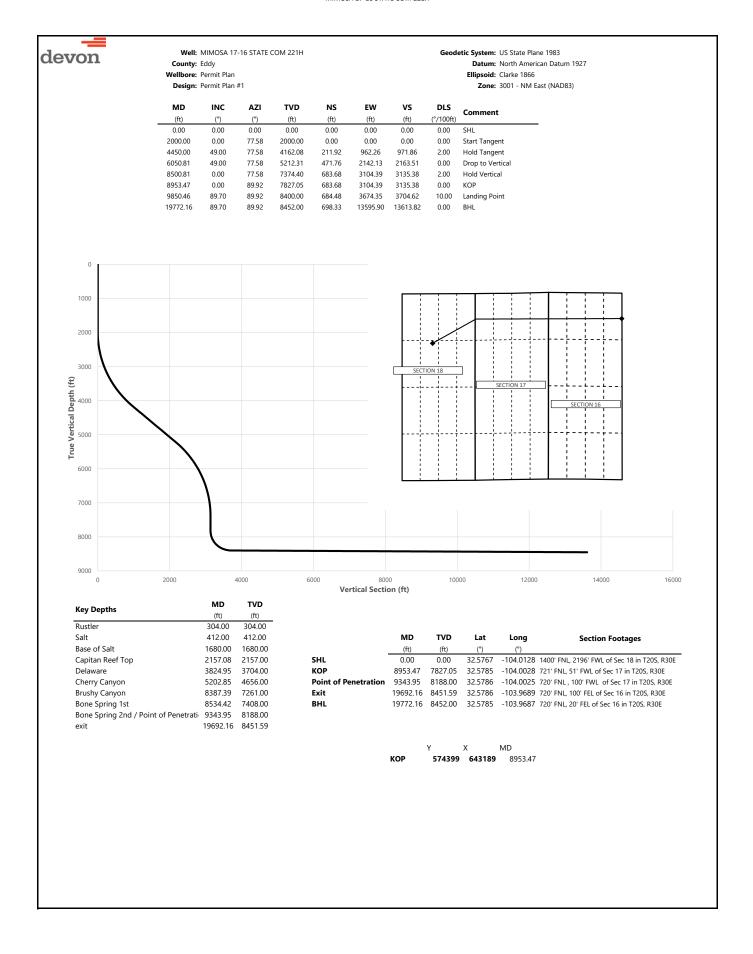
Form APD Conditions

Permit 380356

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
DEVON ENERGY PRODUCTION COMPANY, LP [6137]	30-015-56186
333 West Sheridan Ave.	Well:
Oklahoma City, OK 73102	MIMOSA 17 16 STATE COM #221H

OCD Reviewer	Condition
matthew.gomez	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.
	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.
	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
matthew.gomez	Cement is required to circulate on both surface and intermediate1 strings of casing.
matthew.gomez	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
matthew.gomez	File As Drilled C-102 and a directional Survey with C-104 completion packet.
matthew.gomez	Brine water shall not be used in the Capitan Reef. Only fresh water shall be utilized until the Capitan Reef is cased and cemented.
matthew.gomez	This well is within the Capitan Reef. The first intermediate casing string shall be sat and cemented back to surface immediately above the Capitan Reef. The second intermediate string shall be set and cemented back to surface immediately below the base of the Capitan Reef.
matthew.gomez	Production casing cement is required to tieback into the second intermediate string by a minimum of 200 feet.





County: Eddy Wellbore: Permit Plan Geodetic System: US State Plane 1983

Datum: North American Datum 1927

Ellipsoid: Clarke 1866

	Design:	Permit Plan	#1					Zone: 3001 - NM East (NAD83)
MD	INC	AZI	TVD	NS	EW	vs	DLS	Commont
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00 200.00	0.00	77.58 77.58	100.00 200.00	0.00	0.00	0.00	0.00	
300.00	0.00	77.58	300.00	0.00	0.00	0.00	0.00	
304.00	0.00	77.58	304.00	0.00	0.00	0.00	0.00	Rustler
400.00	0.00	77.58	400.00	0.00	0.00	0.00	0.00	
412.00	0.00	77.58	412.00	0.00	0.00	0.00	0.00	Salt
500.00	0.00	77.58	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	77.58	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	77.58	700.00	0.00	0.00	0.00	0.00	
800.00 900.00	0.00	77.58 77.58	800.00 900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	77.58	1000.00	0.00	0.00	0.00	0.00	
1100.00	0.00	77.58	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	77.58	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	77.58	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	77.58	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	77.58	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	77.58	1600.00	0.00	0.00	0.00	0.00	
1680.00	0.00	77.58	1680.00	0.00	0.00	0.00	0.00	Base of Salt
1700.00	0.00	77.58	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	77.58	1800.00	0.00	0.00	0.00	0.00	
1900.00 2000.00	0.00	77.58 77.58	1900.00 2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	77.58	2099.98	0.38	1.70	1.72	2.00	Start rangent
2157.08	3.14	77.58	2157.00	0.93	4.20	4.25	2.00	Capitan Reef Top
2200.00	4.00	77.58	2199.84	1.50	6.82	6.88	2.00	
2300.00	6.00	77.58	2299.45	3.38	15.33	15.48	2.00	
2400.00	8.00	77.58	2398.70	6.00	27.23	27.50	2.00	
2500.00	10.00	77.58	2497.47	9.36	42.50	42.93	2.00	
2600.00	12.00	77.58	2595.62	13.46	61.14	61.75	2.00	
2700.00 2800.00	14.00 16.00	77.58 77.58	2693.06 2789.64	18.30 23.87	83.10 108.38	83.93 109.46	2.00 2.00	
2900.00	18.00	77.58	2885.27	30.16	136.93	138.30	2.00	
3000.00	20.00	77.58	2979.82	37.16	168.72	170.41	2.00	
3100.00	22.00	77.58	3073.17	44.87	203.72	205.75	2.00	
3200.00	24.00	77.58	3165.21	53.27	241.88	244.29	2.00	
3300.00	26.00	77.58	3255.84	62.36	283.15	285.97	2.00	
3400.00	28.00	77.58	3344.94	72.12	327.48	330.75	2.00	
3500.00	30.00	77.58	3432.39	82.55	374.83	378.57	2.00	
3600.00	32.00	77.58	3518.11	93.63	425.12	429.37	2.00	
3700.00 3800.00	34.00 36.00	77.58 77.58	3601.97 3683.88	105.34 117.67	478.31 534.32	483.08 539.65	2.00 2.00	
3824.95	36.50	77.58	3704.00	120.85	548.73	554.20	2.00	Delaware
3900.00	38.00	77.58	3763.74	130.62	593.09	599.01	2.00	Standie
4000.00	40.00	77.58	3841.45	144.15	654.55	661.08	2.00	
4100.00	42.00	77.58	3916.92	158.26	718.61	725.79	2.00	
4200.00	44.00	77.58	3990.05	172.93	785.22	793.05	2.00	
4300.00	46.00	77.58	4060.76	188.14	854.27	862.79	2.00	
4400.00	48.00	77.58	4128.95	203.87	925.69	934.93	2.00	HoldTorred
4450.00	49.00	77.58	4162.08	211.92	962.26	971.86	2.00	Hold Tangent
4500.00 4600.00	49.00 49.00	77.58 77.58	4194.89 4260.49	220.03 236.27	999.11 1072.82	1009.08 1083.52	0.00	
4700.00	49.00	77.58 77.58	4326.10	252.50	1146.52	1157.96	0.00	
4800.00	49.00	77.58	4391.70	268.73	1220.23	1232.40	0.00	
4900.00	49.00	77.58	4457.31	284.96	1293.93	1306.84	0.00	
5000.00	49.00	77.58	4522.92	301.20	1367.63	1381.28	0.00	
5100.00	49.00	77.58	4588.52	317.43	1441.34	1455.72	0.00	
5200.00	49.00	77.58	4654.13	333.66	1515.04	1530.17	0.00	
5202.85	49.00	77.58	4656.00	334.12	1517.15	1532.29	0.00	Cherry Canyon
5300.00	49.00	77.58	4719.73	349.89	1588.75	1604.61	0.00	
5400.00 5500.00	49.00 49.00	77.58 77.58	4785.34 4850.95	366.12 382.36	1662.45 1736.16	1679.05 1753.49	0.00	
5600.00	49.00 49.00	77.58 77.58	4850.95 4916.55	382.36 398.59	1809.86	1827.93	0.00	
5700.00	49.00	77.58	4982.16	414.82	1883.57	1902.37	0.00	
5800.00	49.00	77.58	5047.76	431.05	1957.27	1976.81	0.00	
5900.00	49.00	77.58	5113.37	447.28	2030.98	2051.25	0.00	
6000.00	49.00	77.58	5178.98	463.52	2104.68	2125.69	0.00	
6050.81	49.00	77.58	5212.31	471.76	2142.13	2163.51	0.00	Drop to Vertical
6100.00	48.02	77.58	5244.90	479.69	2178.12	2199.85	2.00	



County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983

Datum: North American Datum 1927

Ellipsoid: Clarke 1866
Zone: 3001 - NM Fast (NAD83)

	Design:	Permit Plan	n #1					Zone: 3001 - NM East (NAD83)
MD (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6200.00	46.02	77.58	5313.07	495.42	2249.55	2272.01	2.00	
6300.00	44.02	77.58	5383.76	510.63	2318.63	2341.77	2.00	
6400.00	42.02	77.58	5456.87	525.30	2385.25	2409.05	2.00	
6500.00	40.02	77.58	5532.32	539.42	2449.33	2473.78	2.00	
6600.00	38.02	77.58	5610.02	552.96	2510.81	2535.87	2.00	
6700.00	36.02	77.58	5689.86	565.91	2569.60	2595.25	2.00	
6800.00 6900.00	34.02 32.02	77.58 77.58	5771.75 5855.60	578.25 589.96	2625.64 2678.85	2651.84 2705.59	2.00 2.00	
7000.00	30.02	77.58	5941.30	601.05	2729.17	2756.41	2.00	
7100.00	28.02	77.58	6028.74	611.48	2776.54	2804.25	2.00	
7200.00	26.02	77.58	6117.82	621.25	2820.90	2849.05	2.00	
7300.00	24.02	77.58	6208.44	630.34	2862.19	2890.76	2.00	
7400.00	22.02	77.58	6300.47	638.75	2900.37	2929.32	2.00	
7500.00	20.02	77.58	6393.82	646.46	2935.40	2964.69	2.00	
7600.00	18.02	77.58	6488.35	653.47	2967.22	2996.83	2.00	
7700.00	16.02	77.58	6583.97	659.77	2995.79	3025.69	2.00	
7800.00	14.02	77.58	6680.55	665.34	3021.09	3051.25	2.00	
7900.00 8000.00	12.02 10.02	77.58 77.58	6777.98 6876.13	670.18 674.29	3043.09 3061.75	3073.46 3092.31	2.00 2.00	
8100.00	8.02	77.58	6974.89	677.66	3077.05	3107.76	2.00	
8200.00	6.02	77.58	7074.14	680.29	3088.98	3119.81	2.00	
8300.00	4.02	77.58	7173.75	682.17	3097.52	3128.44	2.00	
8387.39	2.27	77.58	7261.00	683.20	3102.20	3133.16	2.00	Brushy Canyon
8400.00	2.02	77.58	7273.60	683.30	3102.66	3133.63	2.00	
8500.00	0.02	77.58	7373.58	683.68	3104.39	3135.37	2.00	
8500.81	0.00	77.58	7374.40	683.68	3104.39	3135.38	2.00	Hold Vertical
8534.42	0.00	89.92	7408.00	683.68	3104.39	3135.38	0.00	Bone Spring 1st
8600.00 8700.00	0.00	89.92 89.92	7473.58 7573.58	683.68	3104.39	3135.38 3135.38	0.00	
8800.00	0.00	89.92	7673.58	683.68 683.68	3104.39 3104.39	3135.38	0.00	
8900.00	0.00	89.92	7773.58	683.68	3104.39	3135.38	0.00	
8953.47	0.00	89.92	7827.05	683.68	3104.39	3135.38	0.00	KOP
9000.00	4.65	89.92	7873.53	683.68	3106.28	3137.26	10.00	
9100.00	14.65	89.92	7971.99	683.71	3123.03	3153.99	10.00	
9200.00	24.65	89.92	8066.05	683.75	3156.62	3187.54	10.00	
9300.00	34.65	89.92	8152.84	683.82	3206.03	3236.89	10.00	
9343.95	39.05	89.92	8188.00	683.86	3232.38	3263.21	10.00	Bone Spring 2nd / Point of Penetration
9400.00	44.65	89.92	8229.73	683.91	3269.76	3300.54	10.00	
9500.00 9600.00	54.65 64.65	89.92 89.92	8294.39 8344.85	684.02 684.14	3345.88 3432.07	3376.56 3462.65	10.00 10.00	
9700.00	74.65	89.92	8379.58	684.27	3525.71	3556.17	10.00	
9800.00	84.65	89.92	8397.52	684.41	3623.96	3654.30	10.00	
9850.46	89.70	89.92	8400.00	684.48	3674.35	3704.62	10.00	Landing Point
9900.00	89.70	89.92	8400.26	684.55	3723.88	3754.09	0.00	
10000.00	89.70	89.92	8400.78	684.69	3823.88	3853.97	0.00	
10100.00	89.70	89.92	8401.31	684.83	3923.88	3953.84	0.00	
10200.00	89.70	89.92	8401.83	684.97	4023.88	4053.72	0.00	
10300.00	89.70	89.92	8402.36	685.11	4123.88	4153.59	0.00	
10400.00 10500.00	89.70 89.70	89.92 89.92	8402.88 8403.41	685.24 685.38	4223.88 4323.87	4253.46 4353.34	0.00	
10600.00	89.70	89.92 89.92	8403.93	685.52	4423.87	4353.34	0.00	
10700.00	89.70	89.92	8404.45	685.66	4523.87	4553.09	0.00	
10800.00	89.70	89.92	8404.98	685.80	4623.87	4652.96	0.00	
10900.00	89.70	89.92	8405.50	685.94	4723.87	4752.84	0.00	
11000.00	89.70	89.92	8406.03	686.08	4823.87	4852.71	0.00	
11100.00	89.70	89.92	8406.55	686.22	4923.87	4952.58	0.00	
11200.00	89.70	89.92	8407.07	686.36	5023.86	5052.46	0.00	
11300.00	89.70	89.92	8407.60	686.50	5123.86	5152.33	0.00	
11400.00 11500.00	89.70 89.70	89.92 89.92	8408.12 8408.65	686.64 686.78	5223.86 5323.86	5252.21 5352.08	0.00	
11600.00	89.70 89.70	89.92 89.92	8408.65	686.92	5323.86	5352.08	0.00	
11700.00	89.70	89.92	8409.70	687.06	5523.86	5551.83	0.00	
11800.00	89.70	89.92	8410.22	687.20	5623.85	5651.70	0.00	
11900.00	89.70	89.92	8410.74	687.34	5723.85	5751.58	0.00	
12000.00	89.70	89.92	8411.27	687.48	5823.85	5851.45	0.00	
12100.00	89.70	89.92	8411.79	687.62	5923.85	5951.32	0.00	
12200.00	89.70	89.92	8412.32	687.76	6023.85	6051.20	0.00	
12300.00	89.70	89.92	8412.84	687.90	6123.85	6151.07	0.00	
12400.00 12500.00	89.70	89.92	8413.37	688.04	6223.85	6250.95	0.00	
12300.00	89.70	89.92	8413.89	688.18	6323.84	6350.82	0.00	



County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983

Datum: North American Datum 1927 Ellipsoid: Clarke 1866

Zone: 3001 - NM East (NAD83)

MD	INC	AZI	TVD	NS	EW	vs	DLS	Command
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment
12600.00	89.70	89.92	8414.41	688.32	6423.84	6450.69	0.00	
12700.00	89.70	89.92	8414.94	688.46	6523.84	6550.57	0.00	
12800.00	89.70	89.92	8415.46	688.60	6623.84	6650.44	0.00	
12900.00	89.70	89.92	8415.99	688.74	6723.84	6750.32	0.00	
13000.00	89.70	89.92	8416.51	688.88	6823.84	6850.19	0.00	
13100.00	89.70	89.92	8417.04	689.02	6923.84	6950.06	0.00	
13200.00	89.70	89.92				7049.94		
			8417.56	689.16	7023.83		0.00	
13300.00	89.70	89.92	8418.08	689.30	7123.83	7149.81	0.00	
13400.00	89.70	89.92	8418.61	689.44	7223.83	7249.69	0.00	
13500.00	89.70	89.92	8419.13	689.58	7323.83	7349.56	0.00	
13600.00	89.70	89.92	8419.66	689.72	7423.83	7449.43	0.00	
13700.00	89.70	89.92	8420.18	689.86	7523.83	7549.31	0.00	
13800.00	89.70	89.92	8420.70	690.00	7623.83	7649.18	0.00	
13900.00	89.70	89.92	8421.23	690.14	7723.82	7749.06	0.00	
14000.00	89.70	89.92	8421.75	690.28	7823.82	7848.93	0.00	
14100.00	89.70	89.92	8422.28	690.42	7923.82	7948.80	0.00	
14200.00	89.70	89.92	8422.80	690.56	8023.82	8048.68	0.00	
14300.00	89.70	89.92	8423.33	690.70	8123.82	8148.55	0.00	
14400.00	89.70	89.92	8423.85	690.84	8223.82	8248.43	0.00	
14500.00	89.70	89.92	8424.37	690.97	8323.82	8348.30	0.00	
14600.00	89.70	89.92	8424.90	691.11	8423.81	8448.17	0.00	
14700.00	89.70	89.92	8425.42	691.25	8523.81	8548.05	0.00	
14800.00	89.70	89.92	8425.95	691.39	8623.81	8647.92	0.00	
14900.00	89.70	89.92	8426.47	691.53	8723.81	8747.80	0.00	
15000.00	89.70	89.92	8427.00	691.67	8823.81	8847.67	0.00	
15100.00	89.70	89.92	8427.52	691.81	8923.81	8947.55	0.00	
15200.00	89.70	89.92 89.92	8428.04	691.81	9023.80	9047.42	0.00	
15300.00	89.70	89.92	8428.57	692.09	9123.80	9147.29	0.00	
15400.00	89.70	89.92	8429.09	692.23	9223.80	9247.17	0.00	
15500.00	89.70	89.92	8429.62	692.37	9323.80	9347.04	0.00	
15600.00	89.70	89.92	8430.14	692.51	9423.80	9446.92	0.00	
15700.00	89.70	89.92	8430.67	692.65	9523.80	9546.79	0.00	
15800.00	89.70	89.92	8431.19	692.79	9623.80	9646.66	0.00	
15900.00	89.70	89.92	8431.71	692.93	9723.79	9746.54	0.00	
16000.00	89.70	89.92	8432.24	693.07	9823.79	9846.41	0.00	
16100.00	89.70	89.92	8432.76	693.21	9923.79	9946.29	0.00	
16200.00	89.70	89.92	8433.29	693.35	10023.79	10046.16	0.00	
16300.00	89.70	89.92	8433.81	693.49	10123.79	10146.03	0.00	
16400.00	89.70	89.92	8434.34	693.63	10223.79	10245.91	0.00	
16500.00	89.70	89.92	8434.86	693.77	10323.79	10345.78	0.00	
16600.00	89.70	89.92	8435.38	693.91	10423.78	10445.66	0.00	
16700.00	89.70	89.92	8435.91	694.05	10523.78	10545.53	0.00	
16800.00	89.70	89.92	8436.43	694.19	10623.78	10645.40	0.00	
16900.00	89.70	89.92	8436.96	694.33	10023.78	10745.28	0.00	
17000.00	89.70	89.92	8437.48	694.47	10823.78	10845.15	0.00	
17100.00	89.70	89.92	8438.00	694.61	10923.78	10945.03	0.00	
17200.00	89.70	89.92	8438.53	694.75		11044.90	0.00	
17300.00	89.70	89.92	8439.05	694.89	11123.77		0.00	
17400.00	89.70	89.92	8439.58	695.03		11244.65	0.00	
17500.00	89.70	89.92	8440.10	695.17	11323.77		0.00	
17600.00	89.70	89.92	8440.63	695.31	11423.77		0.00	
17700.00	89.70	89.92	8441.15	695.45	11523.77		0.00	
17800.00	89.70	89.92	8441.67	695.59	11623.77		0.00	
17900.00	89.70	89.92	8442.20	695.73	11723.77	11744.02	0.00	
18000.00	89.70	89.92	8442.72	695.87	11823.76	11843.89	0.00	
18100.00	89.70	89.92	8443.25	696.01	11923.76	11943.77	0.00	
18200.00	89.70	89.92	8443.77	696.15	12023.76	12043.64	0.00	
18300.00	89.70	89.92	8444.30	696.29	12123.76	12143.51	0.00	
18400.00	89.70	89.92	8444.82	696.43	12223.76		0.00	
18500.00	89.70	89.92	8445.34	696.57	12323.76		0.00	
18600.00	89.70	89.92	8445.87	696.70	12423.75		0.00	
18700.00	89.70	89.92	8446.39	696.84	12523.75		0.00	
18800.00	89.70 89.70			696.84	12623.75			
		89.92	8446.92				0.00	
18900.00	89.70	89.92	8447.44	697.12	12723.75		0.00	
19000.00	89.70	89.92	8447.97	697.26	12823.75		0.00	
19100.00	89.70	89.92	8448.49	697.40	12923.75		0.00	
	89.70	89.92	8449.01	697.54	13023.75		0.00	
19200.00			0440 54	697.68	13123 74	13142.26	0.00	
19300.00	89.70	89.92	8449.54					
	89.70 89.70 89.70	89.92 89.92	8449.54 8450.06	697.82	13223.74 13323.74	13242.13	0.00	



County: Eddy
Wellbore: Permit Plan
Design: Permit Plan #1

Geodetic System: US State Plane 1983

Datum: North American Datum 1927

Ellipsoid: Clarke 1866 Zone: 3001 - NM East (NAD83)

MD	INC	AZI	TVD	NS	EW	vs	DLS	Comment	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	Comment	
19600.00	89.70	89.92	8451.11	698.10	13423.74	13441.88	0.00		
19692.16	89.70	89.92	8451.59	698.23	13515.90	13533.92	0.00	exit	
19700.00	89.70	89.92	8451.63	698.24	13523.74	13541.75	0.00		
19772 16	89 70	89 92	8452 00	698 33	13595 90	13613.82	0.00	BHI	



Devon Energy Center 333 West Sheridan Avenue Oklahoma City, Oklahoma 73102-5015

Hydrogen Sulfide (H₂S) Contingency Plan

For

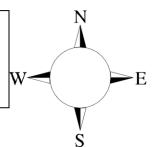
Mimosa 17-16 State Com 221H

Sec-18 T-20S R-30E 1400' FNL & 2196' FWL LAT. = 32.5767885° N (NAD83) LONG = 104.0127609° W

Eddy County NM

Mimosa 17-16 State Com 221H

This is an open drilling site. H₂S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H₂S, including warning signs, wind indicators and H₂S monitor.





Assumed 100 ppm ROE = 3000' (Radius of Exposure)
100 ppm H2S concentration shall trigger activation of this plan.

Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from the location entrance road. Crews should then block the entrance to the location from the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. There are no homes or buildings in or near the ROE.

Assumed 100 ppm ROE = 3000'

100 ppm H₂S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H₂S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H₂S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the
 - Detection of H₂S, and
 - Measures for protection against the gas,
 - o Equipment used for protection and emergency response.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Characteristics of H₂S and SO₂

Common	Chemical	Specific	Threshold	Harardona Limit	Lethal
Name	Formula	Gravity	Limit	Hazardous Limit	Concentration
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Devon Energy Corp. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Devon Energy Corp. Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

Hydrogen Sulfide Drilling Operation Plan

I. HYDROGEN SULFIDE (H2S) TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- 1. The hazards and characteristics of hydrogen sulfide (H₂S)
- 2. The proper use and maintenance of personal protective equipment and life support systems.
- 3. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- 4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- 1. The effects of H₂S metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- 2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- 3. The contents and requirements of the H₂S Drilling Operations Plan.

There will be weekly H₂S and well control drills for all personnel in each crew.

II. HYDROGEN SULFIDE TRAINING

Note: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H₂S.

1. Well Control Equipment

- A. Flare line
- B. Choke manifold Remotely Operated
- C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
- D. Auxiliary equipment may include if applicable: annular preventer and rotating head.
- E. Mud/Gas Separator

2. Protective equipment for essential personnel:

30-minute SCBA units located at briefing areas, as indicated on well site diagram, with escape units available in the top doghouse. As it may be difficult to communicate audibly while wearing these units, hand signals shall be utilized.

3. H₂S detection and monitoring equipment:

Portable H₂S monitors positioned on location for best coverage and response. These units have warning lights which activate when H₂S levels reach 10 ppm and audible sirens which activate at 10 ppm. Sensor locations:

- Bell nipple
- Possum Belly/Shale shaker
- Rig floor
- Choke manifold
- Cellar

Visual warning systems:

- A. Wind direction indicators as shown on well site diagram
- B. Caution/ Danger signs shall be posted on roads providing direct access to locations. Signs will be painted a high visibility yellow with black lettering of sufficient size to be reasonable distance from the immediate location. Bilingual signs will be used when appropriate.

4. Mud program:

The mud program has been designed to minimize the volume of H₂S circulated to surface. Proper mud weight, safe drilling practices and the use of H₂S scavengers will minimize hazards when penetrating H₂S bearing zones.

5. Metallurgy:

- A. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold lines, and valves shall be H₂S trim.
- B. All elastomers used for packing and seals shall be H₂S trim.

6. Communication:

- A. Company personnel have/use cellular telephones in the field.
- B. Land line (telephone) communications at Office

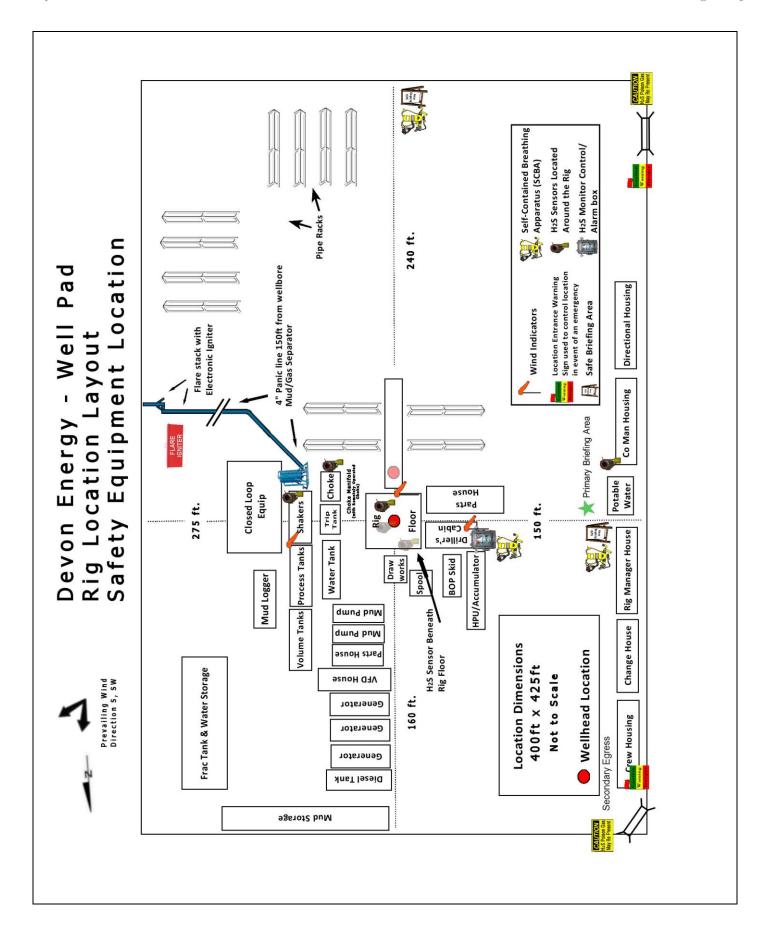
7. Well testing:

- A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safety and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H₂S environment will use the closed chamber method of testing.
- B. There will be no drill stem testing.

Devon Energy Corp. Company Call List							
Employee/Company Contact Representative	Position	Phone Number	After Hours Number				
Jonathan Fisher (North)	Drilling Manager	832-967-7912					
Jason Hildebrand (South)	Drilling Manager	405-552-6514					
Rich Downey	Drilling VP	405-228-2415					
Josh Harvey	EHS Manager	405-228-2440	918-500-5536				
Laura Wright	EHS Supervisor	405-552-5334	832-969-8145				
Robert Glover	EHS Professional	575-703-5712	575-703-5712				
Lane Frank	Lead EHS	580-579-7052	580-579-7052				
Rickey Porter	Lead EHS	903-720-8315	903-720-8315				
Ronnie Handy	Lead EHS	918-839-2046	918-839-2046				
Brock Vise	Lead EHS	918-413-3291	918-413-3291				

<u>Lea</u>	Hobbs	
County	Lea County Communication Authority	397-9265
<u>(575)</u>	State Police	885-3138
	City Police	397-9265
	Sheriff's Office	396-3611
	Ambulance	911
	Fire Department	397-9308
	LEPC (Local Emergency Planning Committee)	393-2870
	NMOCD	393-6161
	US Bureau of Land Management (Closed)	393-0002
Eddy	Carlsbad	
County	State Police	885-3137
(575)	City Police	885-2111
	Sheriff's Office	887-7551
	Ambulance	911
	Fire Department	885-3125
	LEPC (Local Emergency Planning Committee)	887-3798
	US Bureau of Land Management	234-5972
	NM Emergency Response Commission (Santa Fe)	(505) 476-9600
	24 HR	(505) 827-9126
	National Emergency Response Center	(800) 424-8802
	National Pollution Control Center: Direct	(703) 872-6000
	For Oil Spills	(800) 280-7118
	Emergency Services	(000) 200 7 7 70
	Wild Well Control	(281) 784-4700
	Cudd Pressure Control (915) 699-0139	(915) 563-3356
	Halliburton	(575) 746-2757
	B. J. Services	(575) 746-3569
Give	Native Air – Emergency Helicopter – Hobbs	(575) 347-9836
GPS	For Air Ambulance - Eddy County Dispatch	(575)-616-7155
position:	For Air Ambulance - Lea County (LCCA)	(575)-397-9265
	Poison Control (24/7)	(800) 222-1222
	Oil & Gas Pipeline 24 Hour Service	(800) 364-4366
	NOAA – Website - www.nhc.noaa.gov	(000) 001 1000
	National Pollution Control Center	202-795-6958
	NPCC – Oil Spills	800-280-7118
	co on opino	333 233 7 1 10

Prepared in conjunction with Dave Small



1. Geologic Formations

TVD of target	8452	Pilot hole depth	N/A
MD at TD:	19772	Deepest expected fresh water	

Basin

Depth	Water/Mineral	II
		Hazards*
	Zone?	
412		
1680		
2157		
3704		
4656		
7261		
7408		
8188		
	(TVD) from KB 304 412 1680 2157 3704 4656 7261 7408 8188	(TVD) Bearing/Target 304 412 1680 2157 3704 4656 7261 7408

^{*}H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program (Primary Design)

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Top (MD)	Bottom (MD)	Top (TVD)	Bottom (TVD)
17 1/2	13 3/8	54.5	J-55	BTC	0.0	329 MD	0	329 TVD
12 1/4	10 3/4	45.5	J-55	BTC SCC	0.0	1705 MD	0	1705 TVD
9 7/8	8 5/8	32.0	P110EC	MOFXL	0	3754 MD	0	3754 TVD
7 7/8	5 1/2	20.0	P110	DWC/C IS+	0	19772 MD	0	8452 TVD

- All casing strings will be tested in accordance with 43 CFR 3172. Must have table for contingency casing.
- The Rustler top will be validated via drilling parameters (i.e. reduction in ROP), and the surface casing setting depth will be revised accordingly. In addition, surface casing will be set a minimum of 25' above the top of the salt.

3. Cementing Program (Primary Design)

Casing	# Sks	# Sks TOC Wt. Yld (lb/gal) (ft3/sack)			Slurry Description
Surface	277	0	13.2 1.44 Lead: Class C Cem		Lead: Class C Cement + additives
Int	91	0	9	3.27	Lead: Class C Cement + additives
Int	101	1205	13.2	1.44	Tail: Class H / C + additives
Int 1	127	0	9	3.27	Lead: Class C Cement + additives
IIIt I	67	3254	13.2	1.44	Tail: Class H / C + additives
Production	117	6953	9	3.27	Lead: Class H /C + additives
Froduction	1432	8953	13.2	1.44	Tail: Class H / C + additives

Assuming no returns are established while drilling, Devon requests to pump a two stage cement job on the intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Capitan and the second stage performed as a bradenhead squeeze with planned cement from the Capitan to surface. Devon will report to the BLM the volume of fluid (limited to 1 bbls) used to flush intermediate casing valves following backside cementing procedures The final cement top will be verified by Echo-meter. Devon will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

Casing String	% Excess
Surface	50%
Intermediate and Intermediate 1	30%
Intermediate 1 (Two Stage)	25%
Prod	10%

4. Pressure Control Equipment (Fou	r String Des	ign)						
BOP installed and tested before drilling which hole?	Size?	Min. Require d WP	Туре		~	Tested to:		
			Anı	nular	X	50% of rated working pressure		
Int	13-5/8"	5M	Blind	l Ram	X			
Int	13-3/6	JIVI	Pipe	Ram		5M		
			Doub	le Ram	X	3101		
			Other*			1		
			Annular (5M)		X	100% of rated working pressure		
Int 1	13-5/8"	5M	Blind Ram		X	5M		
IIIt I		JIVI	Pipe Ram					
			Double Ram		X			
			Other*					
			Annul	ar (5M)	X	100% of rated working pressure		
Production	13-5/8"	5M	Blind	l Ram	X			
Floduction	13-3/6	JIVI	Pipe Ram			5M		
			Double Ram		X			
			Other*					
N A variance is requested fo	r the use of a	diverter or	the surface	casing. See	attached for	schematic.		
N A variance is requested to	A variance is requested to run a 5 M annular on a 10M system							

5. Mud Program (Four String Design)

Section	Туре	Weight (ppg)
Surface	WBM	8.5-9
Intermediate	DBE / Cut Brine	10-10.5
Intermediate 1	WBM	8.5-9
Production	OBM	10-10.5

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
---	-----------------------------

6. Logging and Testing Procedures

Logging, C	oring and Testing
	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the
X	Completion Report and sbumitted to the BLM.
	No logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain.
	Coring? If yes, explain.

Additional	logs planned	Interval
	Resistivity	Int. shoe to KOP
	Density	Int. shoe to KOP
X	CBL	Production casing
X	Mud log	Intermediate shoe to TD
	PEX	

7. Drilling Conditions

Condition	Specfiy what type and where?
BH pressure at deepest TVD	4615
Abnormal temperature	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogren Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 43 CFR 3176.. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.

N H2S is present
Y H2S plan attached.

8. Other facets of operation

Is this a walking operation? Potentially

- 1 If operator elects, drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
- 2 The drilling rig will then batch drill the intermediate sections and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
- 3 The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Potentially

- 1 Spudder rig will move in and batch drill surface hole.
 - a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.,
- 2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (43 CFR 3172, all COAs and NMOCD regulations).
- 3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
- 4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pa.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. A that time an approved BOP stack will be nippled up and tested on the wellhead before drilling operations commences on each well.
 - a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachments	;
X	Directional Plan
	Other, describe

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator: DEVON E	NERGY PRODUC	CTION COMPANY, LP	OGRID:	6137	Date:	12 / 18 / 2024		
II. Type: ☐ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.								
If Other, please describe	::							
III. Well(s): Provide the be recompleted from a s					wells proposed to	be drilled or proposed to		
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D		
See attachment								
V. Anticipated Schedu proposed to be recomple Well Name	le: Provide the	following informat			vell or set of wells Initial F			
See attachment								
VI. Separation Equipment: ☐ Attach a complete description of how Operator will size separation equipment to optimize gas capture. VII. Operational Practices: ☐ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC. VIII. Best Management Practices: ☐ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.								

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NATURAL GAS MANAGEMENT PLAN Section 1 - Plan Description

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR & FOOTAGE	Anticipated Gas/Oil/Water	Central Delivery Point Name:
MIMOSA 17-16 STATE COM 221H	n/a	18-20S-30E, 720 FNL & 2490 FWL	(+/-)1625mcfd/(+/-)694bopd/(+/-)2172bwpd	MIMOSA 18 CTB 1
MIMOSA 17-16 STATE COM 222H	n/a	18-20S-30E, 2000 FNL & 2490 FWL	(+/-)1625mcfd/(+/-)694bopd/(+/-)2172bwpd	MIMOSA 18 CTB 1
MIMOSA 18-16 STATE COM 223H	n/a	18-20S-30E, 1642 FSL & 805 FWL	(+/-)1625mcfd/(+/-)694bopd/(+/-)2172bwpd	MIMOSA 18 CTB 1
MIMOSA 18-16 STATE COM 224H	n/a	18-20S-30E, 1612 FSL & 805 FWL	(+/-)1625mcfd/(+/-)694bopd/(+/-)2172bwpd	MIMOSA 18 CTB 1

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

				Completion		
				Commencement		
Well Name	API	Spud Date	TD Reached Date	Date	Initial Flow back Date	First Production Date
MIMOSA 17-16 STATE COM 221H	n/a	4/30/2025	5/30/2025	9/27/2025	9/27/2025	9/27/2025
MIMOSA 17-16 STATE COM 222H	n/a	5/20/2025	6/19/2025	10/17/2025	10/17/2025	10/17/2025
MIMOSA 18-16 STATE COM 223H	n/a	5/2/2025	6/1/2025	9/29/2025	9/29/2025	9/29/2025
MIMOSA 18-16 STATE COM 224H	n/a	4/14/2025	5/14/2025	9/11/2025	9/11/2025	9/11/2025

^{*} Dates subject to change

Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

🗵 Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. \square Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the
production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of
the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natur	al gas gathering system	\square will \square will n	ot have capacity to	gather 100%	of the anticipated	natural gas
production volume from the we	ell prior to the date of fir	st production.				

XIII. Line Pressure. Operator \square does \square does not anticipate that its existing well(s) connected to the same segment, or portion, of the
natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

l Attach (Onerator's nl	an to man	age productio	on in respoi	ise to the incre	eased line pressure

XIV. Confidentiality: \sqcup Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information pro	vided in
Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific info	ormation
for which confidentiality is asserted and the basis for such assertion.	

Section 3 - Certifications Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

- 🗆 Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or
- D Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. If Operator checks this box, Operator will select one of the following:

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. □ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- **(b)** power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (t) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

- 1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:
- (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
- (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
- 2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:					
Printed Name: Teffrey Walla Title: Surface Land & Regulatory Manager E-mail Address: jeff walla@dvn.com					
Title: Surface land & Regulatory Manager					
E-mail Address: jeff.walla@dvn.com					
Date:					
Phone: (405) 552-8154					
OIL CONSERVATION DIVISION					
(Only applicable when submitted as a standalone form)					
Approved By:					
Title:					
Approval Date:					
Conditions of Approval:					



VI. Separation Equipment

Devon Energy Production Company, L.P. utilizes a "stage separation" process in which oil and gas separation is carried out through a series of separators operating at successively reduced pressures. Hydrocarbon liquids are produced into a high-pressure inlet separator, then carried through one or more lower pressure separation vessels before entering the storage tanks. The purpose of this separation process is to attain maximum recovery of liquid hydrocarbons from the fluids and allow maximum capture of produced gas into the sales pipeline. Devon utilizes a series of Low-Pressure Compression units to capture gas off the staged separation and send it to the sales pipeline. This process minimizes the amount of flash gas that enters the end-stage storage tanks that is subsequently vented or flared.



VII. Operational Practices

Devon Energy Production Company, L. P. will employ best management practices and control technologies to maximize the recovery and minimize waste of natural gas through venting and flaring.

- During drilling operations, Devon will utilize flares and/or combustors to capture and control
 natural gas, where technically feasible. If flaring is deemed technically in-feasible, Devon will
 employ best management practices to minimize or reduce venting to the extent possible.
- During completions operations, Devon will utilize Green Completion methods to capture gas
 produced during well completions that is otherwise vented or flared. If capture is technically
 in-feasible, flares and/or combustors will be used to capture and control flow back fluids
 entering into frac tanks during initial flowback. Upon indication of first measurable hydrocarbon
 volumes, Devon will turn operations to onsite separation vessels and flow to the gathering
 pipeline.
- During production operations, Devon will take every practical effort to minimize waste of natural gas through venting and flaring by:
 - Designing and constructing facilities in a manner consistent to achieve maximum capture and control of hydrocarbon liquids & produced gas
 - Utilizing a closed-loop capture system to collect and route produced gas to sales line via low pressure compression, or to a flare/combustor
 - o Flaring in lieu of venting, where technically feasible
 - Utilizing auto-ignitors or continuous pilots, with thermocouples connected to Scada, to quickly detect and resolve issues related to malfunctioning flares/combustors
 - Employ the use of automatic tank gauging to minimize storage tank venting during loading events
 - Installing air-driven or electric-driven pneumatics & combustion engines, where technically feasible to minimize venting to the atmosphere
 - Confirm equipment is properly maintained and repaired through a preventative maintenance and repair program to ensure equipment meets all manufacturer specifications
 - Conduct and document AVO inspections on the frequency set forth in Part 27 to detect and repair any onsite leaks as quickly and efficiently as is feasible



VIII. Best Management Practices during Maintenance

Devon Energy Production Company, L.P. will utilize best management practices to minimize venting during active and planned maintenance activities. Devon is operating under guidance that production facilities permitted under NOI permits have no provisions to allow high pressure flaring and high pressure flaring is only allowed in disruption scenarios so long as the duration is less than eight hours. When technically feasible, flaring during maintenance activities will be utilized in lieu of venting to the atmosphere. Devon will work with third-party operators during scheduled maintenance of downstream pipeline or processing plants to address those events ahead of time to minimize venting. Actions considered include identifying alternative capture approaches or planning to temporarily reduce production or shut in the well to address these circumstances.



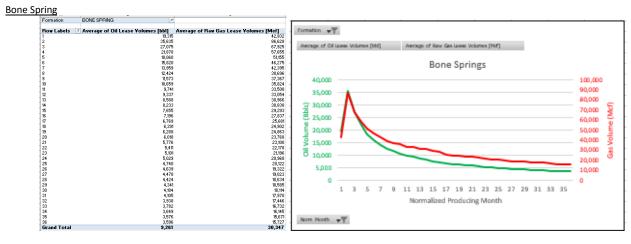
Devon Energy Production Company, L.P. 333 W. Sheridan Avenue Oklahoma City, Oklahoma 73102 Phone: (405) 228-4800

WASTE MINIMIZATION PLAN

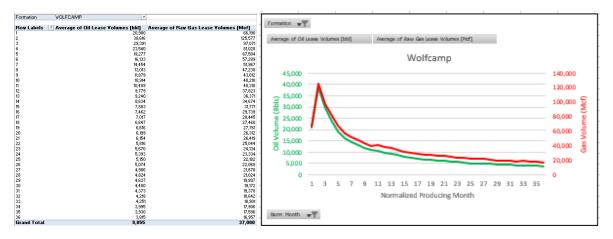
Per 89 FR 25378 - Waste Prevention, Production Subject to Royalties, and Resource Conservation, requirements:

- (1) initial oil production estimates and decline,
- (2) initial gas production estimates and decline,
- (3) certification that the operator has an executed gas sales contract to sell 100 percent of the produced oil-well gas, and
- (4) any other information demonstrating the operator's plans to avoid the waste of gas.

(1), (2) 3 year Oil and Gas decline curves: Bone Spring and Wolfcamp formation decline curves below supply Year 1, 2, 3 cumulative values for oil and gas, in range format; based on peak IP rates for oil and gas based on Devon Energy Production Company, L.P. operated wells ID post 1/2019, 10K LL norm, P90-10 ranges, annualized rates. Please refer to NGMP for table of initial oil and gas volumes.



Wolfcamp



(3) Certification (NGMP Section 3 – Certification): Operator (Devon Energy Production Company, L.P.) will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system;

(4) Addl waste avoidance information: Refer to NGMP Sec. VII. Operational Practices & VIII. Best Management Practices during Maintenance