

Well Name: STRAY CAT 8-5 FED COM	Well Location: T23S / R32E / SEC 17 / NENE /	County or Parish/State:
Well Number: 734H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM98826	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002551260	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2723597

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 03/30/2023	Time Sundry Submitted: 12:45
Date proposed operation will begin: 03/30/2023	

Procedure Description: Devon Energy Production Co., L.P. (Devon) respectfully requests to change the well name, BHL, formation, and depth on the subject well. Please see attached revised C102 and directional plan. Please reference batch sundry ID: 2726179 for slim hole drilling plan. Permitted Well name: STRAY CAT 8-5 FED COM 734H Proposed Well name: GATO GRANDE 9-4 FED COM 301H Permitted BHL: LOT 1, 20 FNL, 330 FEL, 5-23S-32E Proposed BHL: LOT 4, 20 FNL, 990 FWL, 4-23S-32E Permitted TVD/MD: 12266/22652 - WC-025 G-08 S243217P; UPPER WOLFCAMP Proposed TVD/MD: 11250/21601 - SAND DUNES; BONE SPRING APD ID: 10400082349 API: 30-025-51260 New leases have been added since approved APD and notification has been given.

NOI Attachments

Procedure Description

- WA018409774_GATO_GRANDE_9_4_FED_COM_301H_WL_R1_20230330115300.PDF
- break_test_variance_BOP_20230330115300.pdf
- Gato_Grande_9_4_Fed_Com_301H__Directional_Plan_02_09_23_20230330115300.pdf

Well Name: STRAY CAT 8-5 FED COM	Well Location: T23S / R32E / SEC 17 / NENE /	County or Parish/State:
Well Number: 734H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM98826	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002551260	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Conditions of Approval

Specialist Review

Gato_Grande_9_4_Fed_Com_301H_Sundry_ID_2723597_20230419142536.pdf

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHAYDA OMOUMI	Signed on: APR 18, 2023 02:26 PM
Name: DEVON ENERGY PRODUCTION COMPANY LP	
Title: Regulatory Compliance Associate 3	
Street Address: 333 W SHERIDAN AVE	
City: OKLAHOMA CITY	State: OK
Phone: (405) 235-3611	
Email address: SHAYDA.OMOUMI@DVN.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: LONG VO	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: LVO@BLM.GOV
Disposition: Approved	Disposition Date: 04/19/2023
Signature: Long Vo	

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-51260	² Pool Code 53800	³ Pool Name SAND DUNES; BONE SPRING
⁴ Property Code 320993	⁵ Property Name GATO GRANDE 9-4 FED COM	⁶ Well Number 301H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3649.3

¹⁰ Surface Location

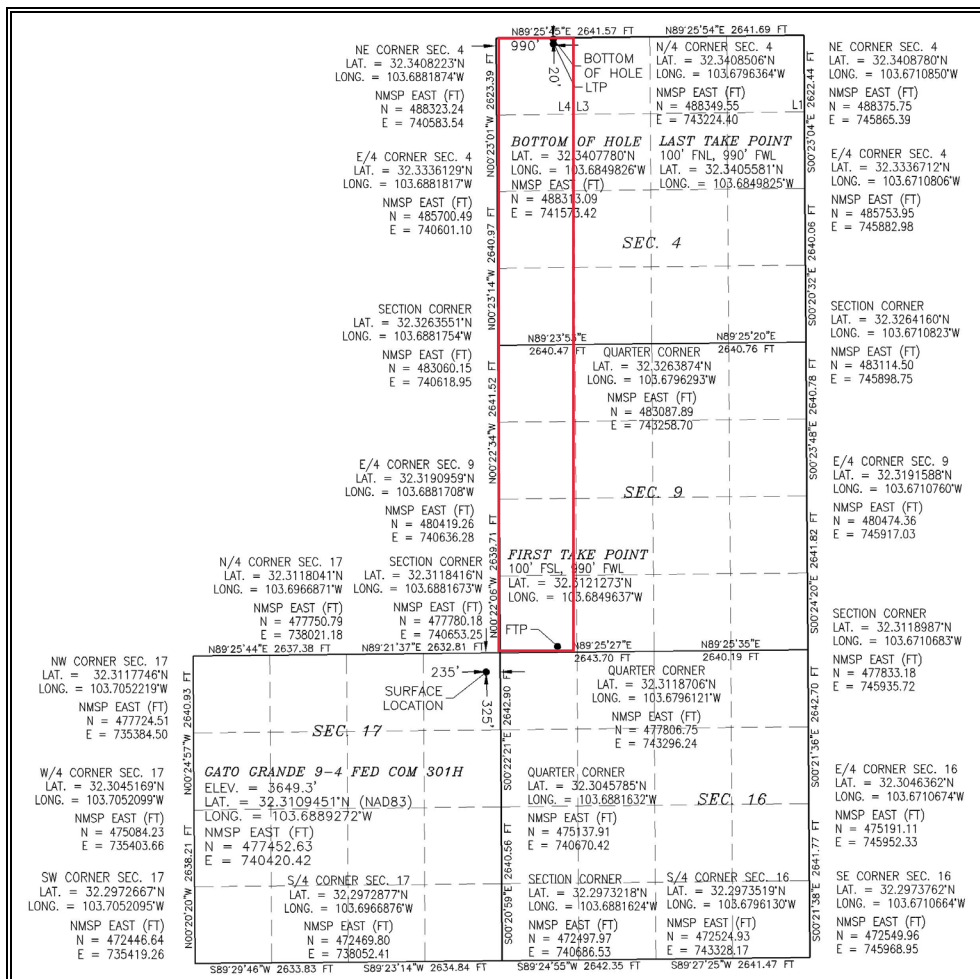
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	23 S	32 E		325	NORTH	235	EAST	LEA

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
4	4	23 S	32 E		20	NORTH	990	WEST	LEA

¹² Dedicated Acres 319.48	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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 heretofore entered by the division.

Signature: Shayda Omoumi Date: 3/30/2023

Printed Name: Shayda Omoumi

E-mail Address: shayda.omoumi@dvn.com

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.

JANUARY 16, 2023

Date of Survey

Signature and Seal of Professional Surveyor: [Signature]
Certificate Number: 12797

Survey No. 9169A

Intent ☒ As Drilled ☐

API #		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: GATO GRANDE 9-4 FED COM	Well Number 301H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	9	23S	32E		36	FSL	990	FWL	LEA
Latitude					Longitude				NAD
32.31185682					-103.68504678				83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	9	23S	32E		100	SOUTH	990	WEST	LEA
Latitude					Longitude				NAD
32.3121273					103.6849637				83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	4	23S	32E	4	100	NORTH	990	WEST	LEA
Latitude					Longitude				NAD
32.3405581					103.6849825				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

Section 2 - Blowout Preventer Testing Procedure

Variance Request

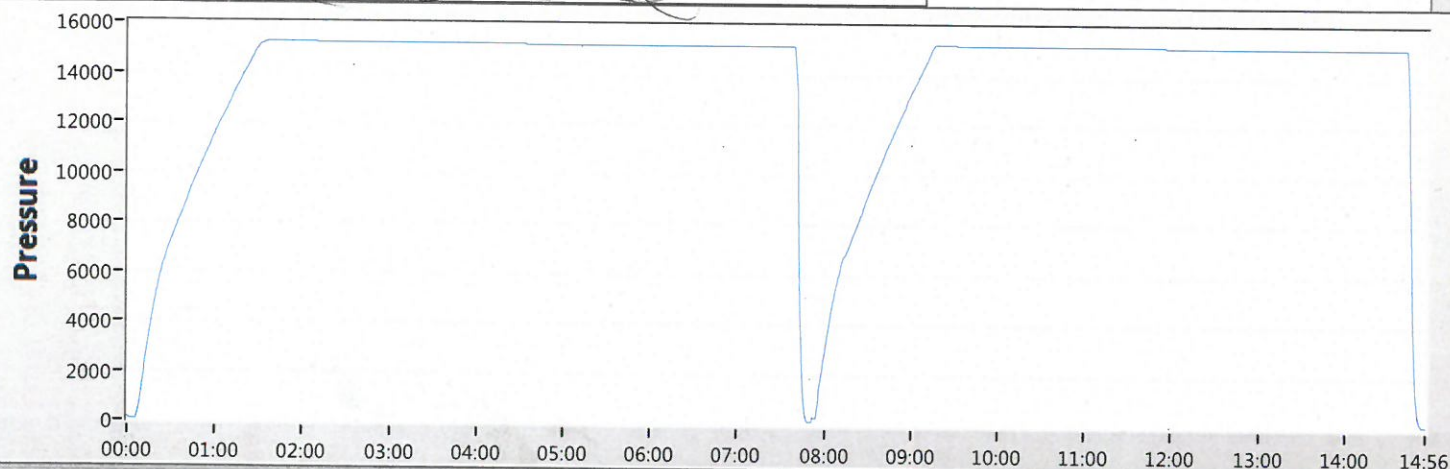
Devon Energy requests to only test BOP connection breaks after drilling out of surface casing and while skidding between wells which conforms to API Standard 53 and industry standards. This test will include the Top Pipe Rams, HCR, Kill Line Check Valve, QDC (quick disconnect to wellhead) and Shell of the 10M BOPE to 5M for 10 minutes. If a break to the flex hose that runs to the choke manifold is required due to repositioning from a skid, the HCR will remain open during the shell test to include that additional break. The variance only pertains to intermediate hole-sections and no deeper than the Bone Springs Formation where 5M BOP tests are required. The initial BOP test will follow OOGO2.III.A.2.i, and subsequent tests following a skid will only test connections that are broken. The annular preventer will be tested to 100% working pressure. This variance will meet or exceed OOGO2.III.A.2.i per the following: Devon Energy will perform a full BOP test per OOGO2.III.A.2.i before drilling out of the intermediate casing string(s) and starting the production hole, before starting any hole section that requires a 10M test, before the expiration of the allotted 14-days for 5M intermediate batch drilling or when the drilling rig is fully mobilized to a new well pad, whichever is sooner. We will utilize a 200' TVD tolerance between intermediate shoes as the cutoff for a full BOP test. The BLM will be contacted 4hrs prior to a BOPE test. The BLM will be notified if and when a well control event is encountered. Break test will be a 14 day interval and not a 30 day full BOPE test interval. If in the event break testing is not utilized, then a full BOPE test would be conducted.

1. Well Control Response:
 1. Primary barrier remains fluid
 2. In the event of an influx due to being underbalanced and after a realized gain or flow, the order of closing BOPE is as follows:
 - a) Annular first
 - b) If annular were to not hold, Upper pipe rams second (which were tested on the skid BOP test)
 - c) If the Upper Pipe Rams were to not hold, Lower Pipe Rams would be third

Cactus
Wellhead2-9-17
E Bell

80.7 °F

15:49



50

Date 02-09-17

Tested By E.BELL

Transducer bay2

Transducer Serial 181504

Calibration Date 9/6/15

Job#	Part#	Serial#	Description	Test Pressure
1	TRJ0006341-0007	116966	TRJ6341-7-1 ADPT,DRLG,CW,MBU-3T,13-5/8 10M	15000
2				
3				
4				
5			TRANSDUCER CALIBRATION DUE 03/13/2017	
6				
7				
8				



Start



Stop



Zero



Config



Save



Print

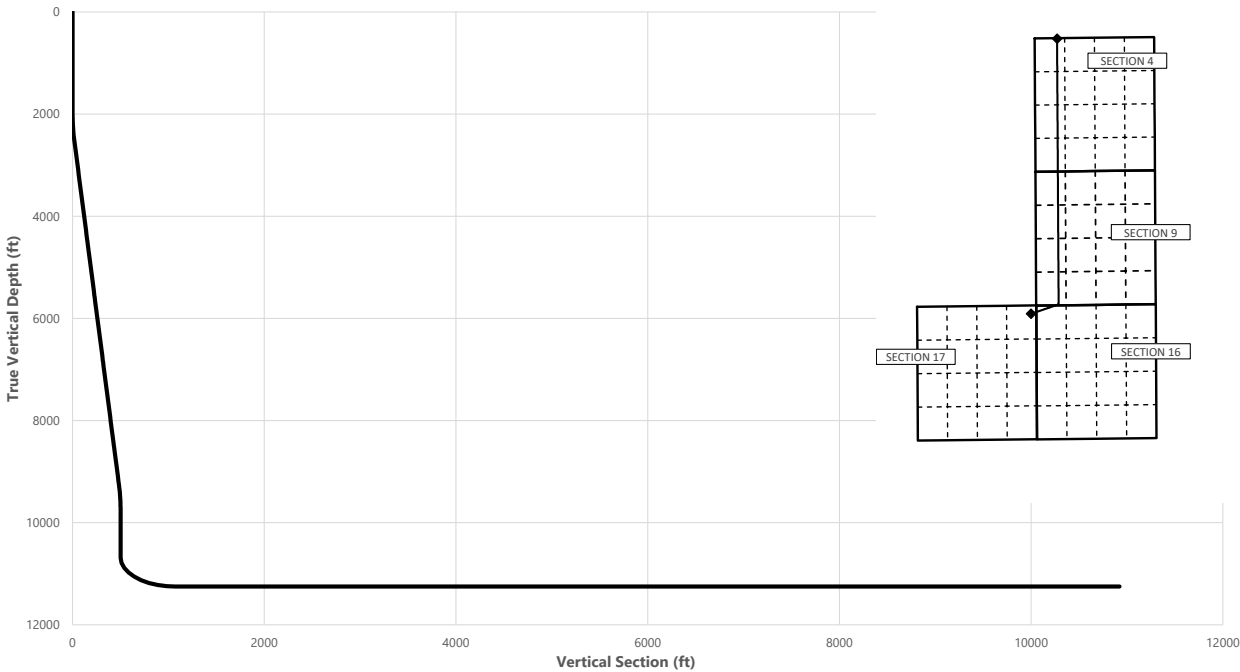
EXIT



Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
2000.00	0.00	73.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	73.00	2497.47	12.72	41.62	17.05	2.00	Hold Tangent
9360.83	10.00	73.00	9254.06	361.05	1180.93	483.70	0.00	Drop to Vertical
9860.83	0.00	73.00	9751.52	373.77	1222.55	500.74	2.00	Hold Vertical
10786.34	0.00	359.62	10677.04	373.77	1222.55	500.74	0.00	KOP
11686.34	90.00	359.62	11250.00	946.72	1218.75	1070.09	10.00	Landing Point
21600.84	90.00	359.62	11250.00	10861.00	1153.00	10922.03	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	1023.00	1023.00
Salt	1351.00	1351.00
Base of Salt	4516.16	4483.00
Delaware	4704.02	4668.00
Cherry Canyon	5636.18	5586.00
Brushy Canyon	6927.80	6858.00
1st Bone Spring Lime	8620.52	8525.00
Avalon B	9052.08	8950.00
Bone Spring 1st	9793.29	9684.00
2nd Bone Spring Silt	10059.30	9950.00
Bone Spring 2nd	10369.30	10260.00
3rd Bone Spring Lime / Point of Penetration	10889.86	10780.00
exit	21520.84	11250.01

SHL
KOP
Point of Penetration
Exit
BHL

MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
0.00	0.00	32.3108	-103.6890	325' FNL, 235' FEL of Sec 17 in T23S, R32E
10786.34	10677.04	32.3119	-103.6850	36' FSL, 990' FWL of Sec 9 in T23S, R32E
10889.86	10780.00	32.3121	-103.6850	100' FSL, 990' FWL of Sec 9 in T23S, R32E
21520.84	11250.01	32.3406	-103.6850	100' FNL, 990' FWL of Sec 4 in T23S, R32E
21600.84	11250.00	32.3407	-103.6851	20' FNL, 990' FWL of Sec 4 in T23S, R32E

Gato Grande 9-4 Fed Com 301H



Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	73.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	73.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	73.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	73.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	73.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	73.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	73.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	73.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	73.00	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	73.00	1000.00	0.00	0.00	0.00	0.00	
1023.00	0.00	73.00	1023.00	0.00	0.00	0.00	0.00	Rustler
1100.00	0.00	73.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	73.00	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	73.00	1300.00	0.00	0.00	0.00	0.00	
1351.00	0.00	73.00	1351.00	0.00	0.00	0.00	0.00	Salt
1400.00	0.00	73.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	73.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	73.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	73.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	73.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	73.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	73.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	73.00	2099.98	0.51	1.67	0.68	2.00	
2200.00	4.00	73.00	2199.84	2.04	6.67	2.73	2.00	
2300.00	6.00	73.00	2299.45	4.59	15.01	6.15	2.00	
2400.00	8.00	73.00	2398.70	8.15	26.66	10.92	2.00	
2500.00	10.00	73.00	2497.47	12.72	41.62	17.05	2.00	Hold Tangent
2600.00	10.00	73.00	2595.95	17.80	58.23	23.85	0.00	
2700.00	10.00	73.00	2694.43	22.88	74.83	30.65	0.00	
2800.00	10.00	73.00	2792.91	27.96	91.44	37.45	0.00	
2900.00	10.00	73.00	2891.39	33.03	108.05	44.25	0.00	
3000.00	10.00	73.00	2989.87	38.11	124.65	51.06	0.00	
3100.00	10.00	73.00	3088.35	43.19	141.26	57.86	0.00	
3200.00	10.00	73.00	3186.83	48.26	157.86	64.66	0.00	
3300.00	10.00	73.00	3285.31	53.34	174.47	71.46	0.00	
3400.00	10.00	73.00	3383.79	58.42	191.08	78.26	0.00	
3500.00	10.00	73.00	3482.27	63.49	207.68	85.06	0.00	
3600.00	10.00	73.00	3580.75	68.57	224.29	91.87	0.00	
3700.00	10.00	73.00	3679.23	73.65	240.89	98.67	0.00	
3800.00	10.00	73.00	3777.72	78.73	257.50	105.47	0.00	
3900.00	10.00	73.00	3876.20	83.80	274.11	112.27	0.00	
4000.00	10.00	73.00	3974.68	88.88	290.71	119.07	0.00	
4100.00	10.00	73.00	4073.16	93.96	307.32	125.87	0.00	
4200.00	10.00	73.00	4171.64	99.03	323.92	132.68	0.00	
4300.00	10.00	73.00	4270.12	104.11	340.53	139.48	0.00	
4400.00	10.00	73.00	4368.60	109.19	357.14	146.28	0.00	
4500.00	10.00	73.00	4467.08	114.26	373.74	153.08	0.00	
4516.16	10.00	73.00	4483.00	115.09	376.43	154.18	0.00	Base of Salt
4600.00	10.00	73.00	4565.56	119.34	390.35	159.88	0.00	
4700.00	10.00	73.00	4664.04	124.42	406.95	166.68	0.00	
4704.02	10.00	73.00	4668.00	124.62	407.62	166.96	0.00	Delaware
4800.00	10.00	73.00	4762.52	129.50	423.56	173.49	0.00	
4900.00	10.00	73.00	4861.00	134.57	440.17	180.29	0.00	
5000.00	10.00	73.00	4959.48	139.65	456.77	187.09	0.00	
5100.00	10.00	73.00	5057.97	144.73	473.38	193.89	0.00	
5200.00	10.00	73.00	5156.45	149.80	489.98	200.69	0.00	
5300.00	10.00	73.00	5254.93	154.88	506.59	207.49	0.00	
5400.00	10.00	73.00	5353.41	159.96	523.20	214.30	0.00	
5500.00	10.00	73.00	5451.89	165.03	539.80	221.10	0.00	
5600.00	10.00	73.00	5550.37	170.11	556.41	227.90	0.00	
5636.18	10.00	73.00	5586.00	171.95	562.42	230.36	0.00	Cherry Canyon
5700.00	10.00	73.00	5648.85	175.19	573.01	234.70	0.00	
5800.00	10.00	73.00	5747.33	180.27	589.62	241.50	0.00	
5900.00	10.00	73.00	5845.81	185.34	606.23	248.30	0.00	
6000.00	10.00	73.00	5944.29	190.42	622.83	255.11	0.00	
6100.00	10.00	73.00	6042.77	195.50	639.44	261.91	0.00	
6200.00	10.00	73.00	6141.25	200.57	656.04	268.71	0.00	
6300.00	10.00	73.00	6239.73	205.65	672.65	275.51	0.00	
6400.00	10.00	73.00	6338.22	210.73	689.26	282.31	0.00	

Gato Grande 9-4 Fed Com 301H



Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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 (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6500.00	10.00	73.00	6436.70	215.80	705.86	289.11	0.00	
6600.00	10.00	73.00	6535.18	220.88	722.47	295.92	0.00	
6700.00	10.00	73.00	6633.66	225.96	739.07	302.72	0.00	
6800.00	10.00	73.00	6732.14	231.04	755.68	309.52	0.00	
6900.00	10.00	73.00	6830.62	236.11	772.29	316.32	0.00	
6927.80	10.00	73.00	6858.00	237.52	776.90	318.21	0.00	Brushy Canyon
7000.00	10.00	73.00	6929.10	241.19	788.89	323.12	0.00	
7100.00	10.00	73.00	7027.58	246.27	805.50	329.93	0.00	
7200.00	10.00	73.00	7126.06	251.34	822.10	336.73	0.00	
7300.00	10.00	73.00	7224.54	256.42	838.71	343.53	0.00	
7400.00	10.00	73.00	7323.02	261.50	855.32	350.33	0.00	
7500.00	10.00	73.00	7421.50	266.57	871.92	357.13	0.00	
7600.00	10.00	73.00	7519.99	271.65	888.53	363.93	0.00	
7700.00	10.00	73.00	7618.47	276.73	905.13	370.74	0.00	
7800.00	10.00	73.00	7716.95	281.81	921.74	377.54	0.00	
7900.00	10.00	73.00	7815.43	286.88	938.35	384.34	0.00	
8000.00	10.00	73.00	7913.91	291.96	954.95	391.14	0.00	
8100.00	10.00	73.00	8012.39	297.04	971.56	397.94	0.00	
8200.00	10.00	73.00	8110.87	302.11	988.17	404.74	0.00	
8300.00	10.00	73.00	8209.35	307.19	1004.77	411.55	0.00	
8400.00	10.00	73.00	8307.83	312.27	1021.38	418.35	0.00	
8500.00	10.00	73.00	8406.31	317.34	1037.98	425.15	0.00	
8600.00	10.00	73.00	8504.79	322.42	1054.59	431.95	0.00	
8620.52	10.00	73.00	8525.00	323.46	1058.00	433.35	0.00	1st Bone Spring Lime
8700.00	10.00	73.00	8603.27	327.50	1071.20	438.75	0.00	
8800.00	10.00	73.00	8701.75	332.58	1087.80	445.55	0.00	
8900.00	10.00	73.00	8800.24	337.65	1104.41	452.36	0.00	
9000.00	10.00	73.00	8898.72	342.73	1121.01	459.16	0.00	
9052.08	10.00	73.00	8950.00	345.37	1129.66	462.70	0.00	Avalon B
9100.00	10.00	73.00	8997.20	347.81	1137.62	465.96	0.00	
9200.00	10.00	73.00	9095.68	352.88	1154.23	472.76	0.00	
9300.00	10.00	73.00	9194.16	357.96	1170.83	479.56	0.00	
9360.83	10.00	73.00	9254.06	361.05	1180.93	483.70	0.00	Drop to Vertical
9400.00	9.22	73.00	9292.68	362.96	1187.19	486.26	2.00	
9500.00	7.22	73.00	9391.65	367.14	1200.85	491.86	2.00	
9600.00	5.22	73.00	9491.06	370.30	1211.21	496.10	2.00	
9700.00	3.22	73.00	9590.78	372.45	1218.24	498.98	2.00	
9793.29	1.35	73.00	9684.00	373.54	1221.79	500.43	2.00	Bone Spring 1st
9800.00	1.22	73.00	9690.70	373.58	1221.94	500.49	2.00	
9860.83	0.00	73.00	9751.52	373.77	1222.55	500.74	2.00	Hold Vertical
9900.00	0.00	359.62	9790.70	373.77	1222.55	500.75	0.00	
10000.00	0.00	359.62	9890.70	373.77	1222.55	500.75	0.00	
10059.30	0.00	359.62	9950.00	373.77	1222.55	500.75	0.00	2nd Bone Spring Silt
10100.00	0.00	359.62	9990.70	373.77	1222.55	500.75	0.00	
10200.00	0.00	359.62	10090.70	373.77	1222.55	500.75	0.00	
10300.00	0.00	359.62	10190.70	373.77	1222.55	500.75	0.00	
10369.30	0.00	359.62	10260.00	373.77	1222.55	500.75	0.00	Bone Spring 2nd
10400.00	0.00	359.62	10290.70	373.77	1222.55	500.75	0.00	
10500.00	0.00	359.62	10390.70	373.77	1222.55	500.75	0.00	
10600.00	0.00	359.62	10490.70	373.77	1222.55	500.75	0.00	
10700.00	0.00	359.62	10590.70	373.77	1222.55	500.75	0.00	
10786.34	0.00	359.62	10677.04	373.77	1222.55	500.74	0.00	KOP
10800.00	1.37	359.62	10690.70	373.94	1222.55	500.91	10.00	
10889.86	10.35	359.62	10780.00	383.10	1222.49	510.01	10.00	3rd Bone Spring Lime / Point of Penetration
10900.00	11.37	359.62	10789.96	385.01	1222.48	511.91	10.00	
11000.00	21.37	359.62	10885.78	413.15	1222.29	539.87	10.00	
11100.00	31.37	359.62	10975.27	457.50	1222.00	583.95	10.00	
11200.00	41.37	359.62	11055.69	516.72	1221.61	642.79	10.00	
11300.00	51.37	359.62	11124.61	589.00	1221.13	714.62	10.00	
11400.00	61.37	359.62	11179.93	672.15	1220.57	797.25	10.00	
11500.00	71.37	359.62	11219.96	763.65	1219.97	888.17	10.00	
11600.00	81.37	359.62	11243.51	860.70	1219.32	984.61	10.00	
11686.34	90.00	359.62	11250.00	946.72	1218.75	1070.09	10.00	Landing Point
11700.00	90.00	359.62	11250.00	960.37	1218.66	1083.66	0.00	
11800.00	90.00	359.62	11250.00	1060.37	1218.00	1183.03	0.00	
11900.00	90.00	359.62	11250.00	1160.37	1217.34	1282.40	0.00	
12000.00	90.00	359.62	11250.00	1260.37	1216.67	1381.77	0.00	
12100.00	90.00	359.62	11250.00	1360.37	1216.01	1481.14	0.00	
12200.00	90.00	359.62	11250.00	1460.36	1215.34	1580.50	0.00	
12300.00	90.00	359.62	11250.00	1560.36	1214.68	1679.87	0.00	

Gato Grande 9-4 Fed Com 301H



Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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 (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
12400.00	90.00	359.62	11250.00	1660.36	1214.02	1779.24	0.00	
12500.00	90.00	359.62	11250.00	1760.36	1213.35	1878.61	0.00	
12600.00	90.00	359.62	11250.00	1860.36	1212.69	1977.98	0.00	
12700.00	90.00	359.62	11250.00	1960.35	1212.03	2077.35	0.00	
12800.00	90.00	359.62	11250.00	2060.35	1211.36	2176.72	0.00	
12900.00	90.00	359.62	11250.00	2160.35	1210.70	2276.09	0.00	
13000.00	90.00	359.62	11250.00	2260.35	1210.03	2375.46	0.00	
13100.00	90.00	359.62	11250.00	2360.34	1209.37	2474.83	0.00	
13200.00	90.00	359.62	11250.00	2460.34	1208.71	2574.19	0.00	
13300.00	90.00	359.62	11250.00	2560.34	1208.04	2673.56	0.00	
13400.00	90.00	359.62	11250.00	2660.34	1207.38	2772.93	0.00	
13500.00	90.00	359.62	11250.00	2760.34	1206.72	2872.30	0.00	
13600.00	90.00	359.62	11250.00	2860.33	1206.05	2971.67	0.00	
13700.00	90.00	359.62	11250.00	2960.33	1205.39	3071.04	0.00	
13800.00	90.00	359.62	11250.00	3060.33	1204.72	3170.41	0.00	
13900.00	90.00	359.62	11250.00	3160.33	1204.06	3269.78	0.00	
14000.00	90.00	359.62	11250.00	3260.32	1203.40	3369.15	0.00	
14100.00	90.00	359.62	11250.00	3360.32	1202.73	3468.51	0.00	
14200.00	90.00	359.62	11250.00	3460.32	1202.07	3567.88	0.00	
14300.00	90.00	359.62	11250.00	3560.32	1201.41	3667.25	0.00	
14400.00	90.00	359.62	11250.00	3660.32	1200.74	3766.62	0.00	
14500.00	90.00	359.62	11250.00	3760.31	1200.08	3865.99	0.00	
14600.00	90.00	359.62	11250.00	3860.31	1199.41	3965.36	0.00	
14700.00	90.00	359.62	11250.00	3960.31	1198.75	4064.73	0.00	
14800.00	90.00	359.62	11250.00	4060.31	1198.09	4164.10	0.00	
14900.00	90.00	359.62	11250.00	4160.30	1197.42	4263.47	0.00	
15000.00	90.00	359.62	11250.00	4260.30	1196.76	4362.84	0.00	
15100.00	90.00	359.62	11250.00	4360.30	1196.10	4462.20	0.00	
15200.00	90.00	359.62	11250.00	4460.30	1195.43	4561.57	0.00	
15300.00	90.00	359.62	11250.00	4560.30	1194.77	4660.94	0.00	
15400.00	90.00	359.62	11250.00	4660.29	1194.10	4760.31	0.00	
15500.00	90.00	359.62	11250.01	4760.29	1193.44	4859.68	0.00	
15600.00	90.00	359.62	11250.01	4860.29	1192.78	4959.05	0.00	
15700.00	90.00	359.62	11250.01	4960.29	1192.11	5058.42	0.00	
15800.00	90.00	359.62	11250.01	5060.28	1191.45	5157.79	0.00	
15900.00	90.00	359.62	11250.01	5160.28	1190.79	5257.16	0.00	
16000.00	90.00	359.62	11250.01	5260.28	1190.12	5356.52	0.00	
16100.00	90.00	359.62	11250.01	5360.28	1189.46	5455.89	0.00	
16200.00	90.00	359.62	11250.01	5460.28	1188.79	5555.26	0.00	
16300.00	90.00	359.62	11250.01	5560.27	1188.13	5654.63	0.00	
16400.00	90.00	359.62	11250.01	5660.27	1187.47	5754.00	0.00	
16500.00	90.00	359.62	11250.01	5760.27	1186.80	5853.37	0.00	
16600.00	90.00	359.62	11250.01	5860.27	1186.14	5952.74	0.00	
16700.00	90.00	359.62	11250.01	5960.26	1185.48	6052.11	0.00	
16800.00	90.00	359.62	11250.01	6060.26	1184.81	6151.48	0.00	
16900.00	90.00	359.62	11250.01	6160.26	1184.15	6250.85	0.00	
17000.00	90.00	359.62	11250.01	6260.26	1183.48	6350.21	0.00	
17100.00	90.00	359.62	11250.01	6360.26	1182.82	6449.58	0.00	
17200.00	90.00	359.62	11250.01	6460.25	1182.16	6548.95	0.00	
17300.00	90.00	359.62	11250.01	6560.25	1181.49	6648.32	0.00	
17400.00	90.00	359.62	11250.01	6660.25	1180.83	6747.69	0.00	
17500.00	90.00	359.62	11250.01	6760.25	1180.17	6847.06	0.00	
17600.00	90.00	359.62	11250.01	6860.24	1179.50	6946.43	0.00	
17700.00	90.00	359.62	11250.01	6960.24	1178.84	7045.80	0.00	
17800.00	90.00	359.62	11250.01	7060.24	1178.17	7145.17	0.00	
17900.00	90.00	359.62	11250.01	7160.24	1177.51	7244.53	0.00	
18000.00	90.00	359.62	11250.01	7260.24	1176.85	7343.90	0.00	
18100.00	90.00	359.62	11250.01	7360.23	1176.18	7443.27	0.00	
18200.00	90.00	359.62	11250.01	7460.23	1175.52	7542.64	0.00	
18300.00	90.00	359.62	11250.01	7560.23	1174.86	7642.01	0.00	
18400.00	90.00	359.62	11250.01	7660.23	1174.19	7741.38	0.00	
18500.00	90.00	359.62	11250.01	7760.23	1173.53	7840.75	0.00	
18600.00	90.00	359.62	11250.01	7860.22	1172.86	7940.12	0.00	
18700.00	90.00	359.62	11250.01	7960.22	1172.20	8039.49	0.00	
18800.00	90.00	359.62	11250.01	8060.22	1171.54	8138.86	0.00	
18900.00	90.00	359.62	11250.01	8160.22	1170.87	8238.22	0.00	
19000.00	90.00	359.62	11250.01	8260.21	1170.21	8337.59	0.00	
19100.00	90.00	359.62	11250.01	8360.21	1169.55	8436.96	0.00	
19200.00	90.00	359.62	11250.01	8460.21	1168.88	8536.33	0.00	
19300.00	90.00	359.62	11250.01	8560.21	1168.22	8635.70	0.00	

Gato Grande 9-4 Fed Com 301H



Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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)	
19400.00	90.00	359.62	11250.01	8660.21	1167.55	8735.07	0.00	
19500.00	90.00	359.62	11250.01	8760.20	1166.89	8834.44	0.00	
19600.00	90.00	359.62	11250.01	8860.20	1166.23	8933.81	0.00	
19700.00	90.00	359.62	11250.01	8960.20	1165.56	9033.18	0.00	
19800.00	90.00	359.62	11250.01	9060.20	1164.90	9132.54	0.00	
19900.00	90.00	359.62	11250.01	9160.19	1164.24	9231.91	0.00	
20000.00	90.00	359.62	11250.01	9260.19	1163.57	9331.28	0.00	
20100.00	90.00	359.62	11250.01	9360.19	1162.91	9430.65	0.00	
20200.00	90.00	359.62	11250.01	9460.19	1162.24	9530.02	0.00	
20300.00	90.00	359.62	11250.01	9560.19	1161.58	9629.39	0.00	
20400.00	90.00	359.62	11250.01	9660.18	1160.92	9728.76	0.00	
20500.00	90.00	359.62	11250.01	9760.18	1160.25	9828.13	0.00	
20600.00	90.00	359.62	11250.01	9860.18	1159.59	9927.50	0.00	
20700.00	90.00	359.62	11250.01	9960.18	1158.93	10026.87	0.00	
20800.00	90.00	359.62	11250.01	10060.17	1158.26	10126.23	0.00	
20900.00	90.00	359.62	11250.01	10160.17	1157.60	10225.60	0.00	
21000.00	90.00	359.62	11250.01	10260.17	1156.93	10324.97	0.00	
21100.00	90.00	359.62	11250.01	10360.17	1156.27	10424.34	0.00	
21200.00	90.00	359.62	11250.01	10460.17	1155.61	10523.71	0.00	
21300.00	90.00	359.62	11250.01	10560.16	1154.94	10623.08	0.00	
21400.00	90.00	359.62	11250.01	10660.16	1154.28	10722.45	0.00	
21500.00	90.00	359.62	11250.01	10760.16	1153.62	10821.82	0.00	
21520.84	90.00	359.62	11250.01	10781.00	1153.48	10842.53	0.00	exit
21600.00	90.00	359.62	11250.01	10860.16	1152.95	10921.19	0.00	
21600.84	90.00	359.62	11250.00	10861.00	1153.00	10922.03	0.00	BHL

Gato Grande 9-4 Fed Com 301H

Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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)	

Well Name: STRAY CAT 8-5 FED COM	Well Location: T23S / R32E / SEC 17 / NENE /	County or Parish/State:
Well Number: 734H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM98826	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002551260	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Notice of Intent

Sundry ID: 2723597

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 03/30/2023	Time Sundry Submitted: 12:45
Date proposed operation will begin: 03/30/2023	

Procedure Description: Devon Energy Production Co., L.P. (Devon) respectfully requests to change the well name, BHL, and depth on the subject well. Please see attached revised C102, drill plan (break test variance included), directional plan. Permitted Well name: STRAY CAT 8-5 FED COM 734H Proposed Well name: GATO GRANDE 9-4 FED COM 301H Permitted BHL: LOT 1, 20 FNL, 330 FEL, 5-23S-32E Proposed BHL: LOT 4, 20 FNL, 990 FWL, 4-23S-32E Permitted TVD/MD: 12266/22652 - WC-025 G-08 S243217P; UPPER WOLFCAMP Proposed TVD/MD: 11250/21601 - SAND DUNES; BONE SPRING APD ID: 10400082349 API: 30-025-51260 New leases have been added since approved APD and notification has been given. Please reference batch sundry ID: 2726179 for slim hole design.

NOI Attachments

Procedure Description

- 5.5_17lb_P110_BTC_20230330124434.pdf
- Gato_Grande_9_4_Fed_Com_301H_20230330124403.pdf
- 10.7500_45.50lb_0.400_J55_20230330124434.pdf
- 8.625in_32lb_P110EC_SPRINT_FJ_09.16.2022_20230330124434.pdf
- WA018409774_GATO_GRANDE_9_4_FED_COM_301H_WL_R1_20230330115300.PDF
- break_test_variance_BOP_20230330115300.pdf
- Gato_Grande_9_4_Fed_Com_301H__Directional_Plan_02_09_23_20230330115300.pdf

Well Name: STRAY CAT 8-5 FED COM	Well Location: T23S / R32E / SEC 17 / NENE /	County or Parish/State:
Well Number: 734H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM98826	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002551260	Well Status: Approved Application for Permit to Drill	Operator: DEVON ENERGY PRODUCTION COMPANY LP

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHAYDA OMOUMI

Signed on: APR 18, 2023 11:10 AM

Name: DEVON ENERGY PRODUCTION COMPANY LP

Title: Regulatory Compliance Associate 3

Street Address: 333 W SHERIDAN AVE

City: OKLAHOMA CITYState: OK

Phone: (405) 235-3611

Email address: SHAYDA.OMOUMI@DVN.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-51260	² Pool Code 53800	³ Pool Name SAND DUNES; BONE SPRING
⁴ Property Code 320993	⁵ Property Name GATO GRANDE 9-4 FED COM	⁶ Well Number 301H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3649.3

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
A	17	23 S	32 E		325	NORTH	235	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
4	4	23 S	32 E		20	NORTH	990	WEST	LEA

¹² Dedicated Acres 319.48	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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 heretofore entered by the division. Signature: <u>Shayda Omoumi</u> Date: <u>3/30/2023</u> Printed Name: <u>Shayda Omoumi</u> E-mail Address: <u>shayda.omoumi@dvn.com</u>			
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. JANUARY 16, 2023 Date of Survey Signature and Seal of Professional Surveyor: <u>[Signature]</u> Certificate Number: <u>12797</u> Professional Surveyor No. <u>9169A</u>			

Intent ☒ As Drilled ☐

API #		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: GATO GRANDE 9-4 FED COM	Well Number 301H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	9	23S	32E		36	FSL	990	FWL	LEA
Latitude					Longitude				NAD
32.31185682					-103.68504678				83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	9	23S	32E		100	SOUTH	990	WEST	LEA
Latitude					Longitude				NAD
32.3121273					103.6849637				83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	4	23S	32E	4	100	NORTH	990	WEST	LEA
Latitude					Longitude				NAD
32.3405581					103.6849825				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

**PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	Devon Energy Production Company LP
LEASE NO.:	NMNM98826
LOCATION:	Section 17, T.23 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico
Batch Sundry ID:	2726179

WELL NAME & NO.:	Gato Grande 9-4 Fed Com 301H
ATS/API ID:	3002551260
APD ID:	10400082349
Sundry ID:	2723597

WELL NAME & NO.:	Stray Cat 8-5 Fed Com 303H
ATS/API ID:	3002551258
APD ID:	10400082341
Sundry ID:	2723588

WELL NAME & NO.:	Stray Cat 8-5 Fed Com 304H
ATS/API ID:	3002551256
APD ID:	10400082302
Sundry ID:	2723583

COA

H2S	Yes		
Potash	None		
Cave/Karst Potential	Low		
Cave/Karst Potential	☐ Critical		
Variance	☒ None	☒ Flex Hose	☒ Other
Wellhead	Conventional and Multibowl		
Other	☐ 4 String	Capitan Reef None	☐ WIPP
Other	Pilot Hole None	☐ Open Annulus	
Cementing	Contingency Squeeze None	Echo-Meter Int 1	Primary Cement Squeeze None
Special Requirements	☐ Water Disposal/Injection	☒ COM	☐ Unit
Special Requirements	☒ Batch Sundry		
Special Requirements Variance	☒ Break Testing	☐ Offline Cementing	☒ Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **1135 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **13 1/2** inch in diameter.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of

six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Option 1 (Single Stage):

- Cement to surface. If cement does not circulate see B.1.a, c-d above.

Option 2:

Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

- a. First stage: Operator will cement with intent to reach the top of the **Brushy Canyon at 6858' (330 sxs Class H/C+ additives)**.
- b. Second stage:
 - Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified. (**Squeeze 265 sxs Class C**)

Operator has proposed to pump down 9-5/8" X 7-5/8" annulus after primary cementing stage. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus Or operator shall run a CBL from TD of the 7-5/8" casing to surface after the second stage BH to verify TOC.

Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must run one CBL per Well Pad.

If cement does not reach surface, the next casing string must come to surface.

Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi. Annular which shall be tested to 3500 (70% Working Pressure) psi.**
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **7-5/8** inch intermediate casing shoe shall be **5000 (5M) psi.**

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **9-5/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi.**

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in Onshore Order 1 and 2.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted **(575-689-5981 Lea County)** 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at **14-day** intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Batch Sundry:

- Approval shall be for wells with surface, intermediate, and production section within 200' TVD tolerance between shoes above the deepest well shoes set depth.
- Approval shall be for wells with same drill plan design. (Casing depth may vary and cement volumes may vary per Condition of Approval.)

- Approval shall be for wells within the same drill pad.
- Cement excess shall be a minimum of 25%, adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

Casing Clearance:

Operator casing variance is approved for the utilization of 5-1/2 inch **Vam Sprint SF** **from** base of curve and a minimum of 500 feet or the minimum tie-back back requirement above whichever is greater into the 7-5/8 inch casing shoe. **All** other 5-1/2 inch casing will run **DWC/C IS**.

Operator shall clean up cycles until wellbore is clear of cuttings and any large debris, ensure cutting sizes are adequate “coffee ground or less” before cementing.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
(575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)
689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin

after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

- b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

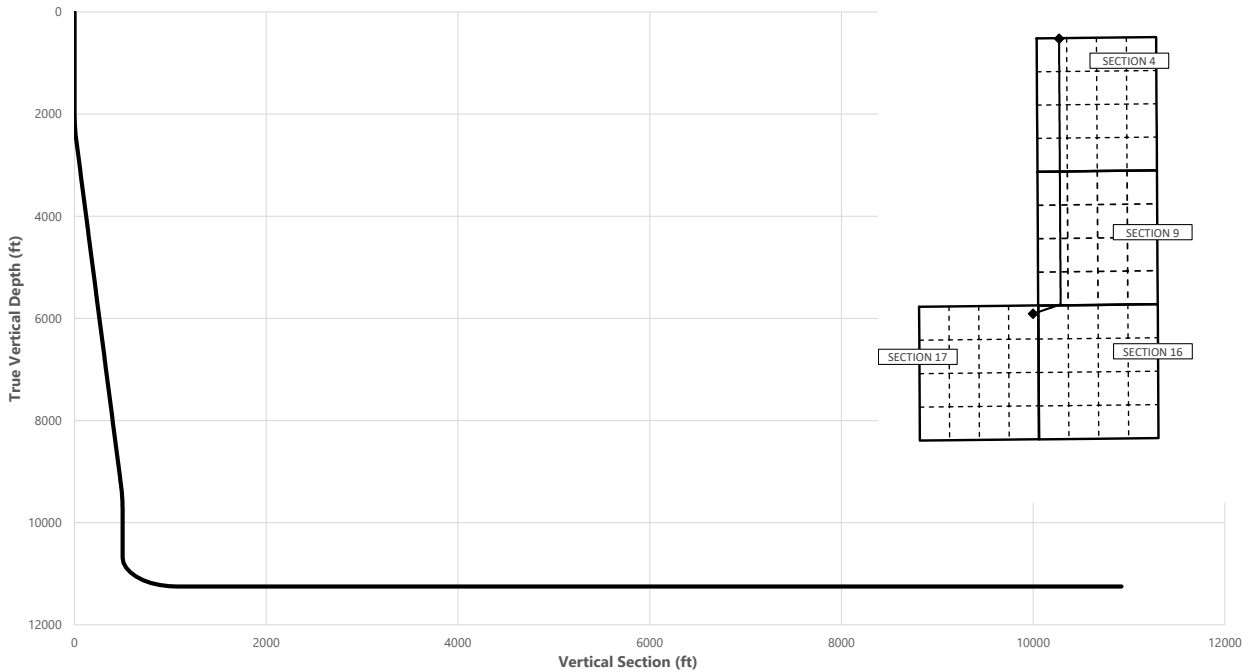
LVO 4/18/2023



Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
2000.00	0.00	73.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	73.00	2497.47	12.72	41.62	17.05	2.00	Hold Tangent
9360.83	10.00	73.00	9254.06	361.05	1180.93	483.70	0.00	Drop to Vertical
9860.83	0.00	73.00	9751.52	373.77	1222.55	500.74	2.00	Hold Vertical
10786.34	0.00	359.62	10677.04	373.77	1222.55	500.74	0.00	KOP
11686.34	90.00	359.62	11250.00	946.72	1218.75	1070.09	10.00	Landing Point
21600.84	90.00	359.62	11250.00	10861.00	1153.00	10922.03	0.00	BHL



Key Depths	MD (ft)	TVD (ft)
Rustler	1023.00	1023.00
Salt	1351.00	1351.00
Base of Salt	4516.16	4483.00
Delaware	4704.02	4668.00
Cherry Canyon	5636.18	5586.00
Brushy Canyon	6927.80	6858.00
1st Bone Spring Lime	8620.52	8525.00
Avalon B	9052.08	8950.00
Bone Spring 1st	9793.29	9684.00
2nd Bone Spring Silt	10059.30	9950.00
Bone Spring 2nd	10369.30	10260.00
3rd Bone Spring Lime / Point of Penetration	10889.86	10780.00
exit	21520.84	11250.01

SHL
KOP
Point of Penetration
Exit
BHL

MD (ft)	TVD (ft)	Lat (°)	Long (°)	Section Footages
0.00	0.00	32.3108	-103.6890	325' FNL, 235' FEL of Sec 17 in T23S, R32E
10786.34	10677.04	32.3119	-103.6850	36' FSL, 990' FWL of Sec 9 in T23S, R32E
10889.86	10780.00	32.3121	-103.6850	100' FSL, 990' FWL of Sec 9 in T23S, R32E
21520.84	11250.01	32.3406	-103.6850	100' FNL, 990' FWL of Sec 4 in T23S, R32E
21600.84	11250.00	32.3407	-103.6851	20' FNL, 990' FWL of Sec 4 in T23S, R32E

Gato Grande 9-4 Fed Com 301H



Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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 (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL
100.00	0.00	73.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	73.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	73.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	73.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	73.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	73.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	73.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	73.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	73.00	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	73.00	1000.00	0.00	0.00	0.00	0.00	
1023.00	0.00	73.00	1023.00	0.00	0.00	0.00	0.00	Rustler
1100.00	0.00	73.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	73.00	1200.00	0.00	0.00	0.00	0.00	
1300.00	0.00	73.00	1300.00	0.00	0.00	0.00	0.00	
1351.00	0.00	73.00	1351.00	0.00	0.00	0.00	0.00	Salt
1400.00	0.00	73.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	73.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	73.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	73.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	73.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	73.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	73.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	73.00	2099.98	0.51	1.67	0.68	2.00	
2200.00	4.00	73.00	2199.84	2.04	6.67	2.73	2.00	
2300.00	6.00	73.00	2299.45	4.59	15.01	6.15	2.00	
2400.00	8.00	73.00	2398.70	8.15	26.66	10.92	2.00	
2500.00	10.00	73.00	2497.47	12.72	41.62	17.05	2.00	Hold Tangent
2600.00	10.00	73.00	2595.95	17.80	58.23	23.85	0.00	
2700.00	10.00	73.00	2694.43	22.88	74.83	30.65	0.00	
2800.00	10.00	73.00	2792.91	27.96	91.44	37.45	0.00	
2900.00	10.00	73.00	2891.39	33.03	108.05	44.25	0.00	
3000.00	10.00	73.00	2989.87	38.11	124.65	51.06	0.00	
3100.00	10.00	73.00	3088.35	43.19	141.26	57.86	0.00	
3200.00	10.00	73.00	3186.83	48.26	157.86	64.66	0.00	
3300.00	10.00	73.00	3285.31	53.34	174.47	71.46	0.00	
3400.00	10.00	73.00	3383.79	58.42	191.08	78.26	0.00	
3500.00	10.00	73.00	3482.27	63.49	207.68	85.06	0.00	
3600.00	10.00	73.00	3580.75	68.57	224.29	91.87	0.00	
3700.00	10.00	73.00	3679.23	73.65	240.89	98.67	0.00	
3800.00	10.00	73.00	3777.72	78.73	257.50	105.47	0.00	
3900.00	10.00	73.00	3876.20	83.80	274.11	112.27	0.00	
4000.00	10.00	73.00	3974.68	88.88	290.71	119.07	0.00	
4100.00	10.00	73.00	4073.16	93.96	307.32	125.87	0.00	
4200.00	10.00	73.00	4171.64	99.03	323.92	132.68	0.00	
4300.00	10.00	73.00	4270.12	104.11	340.53	139.48	0.00	
4400.00	10.00	73.00	4368.60	109.19	357.14	146.28	0.00	
4500.00	10.00	73.00	4467.08	114.26	373.74	153.08	0.00	
4516.16	10.00	73.00	4483.00	115.09	376.43	154.18	0.00	Base of Salt
4600.00	10.00	73.00	4565.56	119.34	390.35	159.88	0.00	
4700.00	10.00	73.00	4664.04	124.42	406.95	166.68	0.00	
4704.02	10.00	73.00	4668.00	124.62	407.62	166.96	0.00	Delaware
4800.00	10.00	73.00	4762.52	129.50	423.56	173.49	0.00	
4900.00	10.00	73.00	4861.00	134.57	440.17	180.29	0.00	
5000.00	10.00	73.00	4959.48	139.65	456.77	187.09	0.00	
5100.00	10.00	73.00	5057.97	144.73	473.38	193.89	0.00	
5200.00	10.00	73.00	5156.45	149.80	489.98	200.69	0.00	
5300.00	10.00	73.00	5254.93	154.88	506.59	207.49	0.00	
5400.00	10.00	73.00	5353.41	159.96	523.20	214.30	0.00	
5500.00	10.00	73.00	5451.89	165.03	539.80	221.10	0.00	
5600.00	10.00	73.00	5550.37	170.11	556.41	227.90	0.00	
5636.18	10.00	73.00	5586.00	171.95	562.42	230.36	0.00	Cherry Canyon
5700.00	10.00	73.00	5648.85	175.19	573.01	234.70	0.00	
5800.00	10.00	73.00	5747.33	180.27	589.62	241.50	0.00	
5900.00	10.00	73.00	5845.81	185.34	606.23	248.30	0.00	
6000.00	10.00	73.00	5944.29	190.42	622.83	255.11	0.00	
6100.00	10.00	73.00	6042.77	195.50	639.44	261.91	0.00	
6200.00	10.00	73.00	6141.25	200.57	656.04	268.71	0.00	
6300.00	10.00	73.00	6239.73	205.65	672.65	275.51	0.00	
6400.00	10.00	73.00	6338.22	210.73	689.26	282.31	0.00	

Gato Grande 9-4 Fed Com 301H



Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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 (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6500.00	10.00	73.00	6436.70	215.80	705.86	289.11	0.00	
6600.00	10.00	73.00	6535.18	220.88	722.47	295.92	0.00	
6700.00	10.00	73.00	6633.66	225.96	739.07	302.72	0.00	
6800.00	10.00	73.00	6732.14	231.04	755.68	309.52	0.00	
6900.00	10.00	73.00	6830.62	236.11	772.29	316.32	0.00	
6927.80	10.00	73.00	6858.00	237.52	776.90	318.21	0.00	Brushy Canyon
7000.00	10.00	73.00	6929.10	241.19	788.89	323.12	0.00	
7100.00	10.00	73.00	7027.58	246.27	805.50	329.93	0.00	
7200.00	10.00	73.00	7126.06	251.34	822.10	336.73	0.00	
7300.00	10.00	73.00	7224.54	256.42	838.71	343.53	0.00	
7400.00	10.00	73.00	7323.02	261.50	855.32	350.33	0.00	
7500.00	10.00	73.00	7421.50	266.57	871.92	357.13	0.00	
7600.00	10.00	73.00	7519.99	271.65	888.53	363.93	0.00	
7700.00	10.00	73.00	7618.47	276.73	905.13	370.74	0.00	
7800.00	10.00	73.00	7716.95	281.81	921.74	377.54	0.00	
7900.00	10.00	73.00	7815.43	286.88	938.35	384.34	0.00	
8000.00	10.00	73.00	7913.91	291.96	954.95	391.14	0.00	
8100.00	10.00	73.00	8012.39	297.04	971.56	397.94	0.00	
8200.00	10.00	73.00	8110.87	302.11	988.17	404.74	0.00	
8300.00	10.00	73.00	8209.35	307.19	1004.77	411.55	0.00	
8400.00	10.00	73.00	8307.83	312.27	1021.38	418.35	0.00	
8500.00	10.00	73.00	8406.31	317.34	1037.98	425.15	0.00	
8600.00	10.00	73.00	8504.79	322.42	1054.59	431.95	0.00	
8620.52	10.00	73.00	8525.00	323.46	1058.00	433.35	0.00	1st Bone Spring Lime
8700.00	10.00	73.00	8603.27	327.50	1071.20	438.75	0.00	
8800.00	10.00	73.00	8701.75	332.58	1087.80	445.55	0.00	
8900.00	10.00	73.00	8800.24	337.65	1104.41	452.36	0.00	
9000.00	10.00	73.00	8898.72	342.73	1121.01	459.16	0.00	
9052.08	10.00	73.00	8950.00	345.37	1129.66	462.70	0.00	Avalon B
9100.00	10.00	73.00	8997.20	347.81	1137.62	465.96	0.00	
9200.00	10.00	73.00	9095.68	352.88	1154.23	472.76	0.00	
9300.00	10.00	73.00	9194.16	357.96	1170.83	479.56	0.00	
9360.83	10.00	73.00	9254.06	361.05	1180.93	483.70	0.00	Drop to Vertical
9400.00	9.22	73.00	9292.68	362.96	1187.19	486.26	2.00	
9500.00	7.22	73.00	9391.65	367.14	1200.85	491.86	2.00	
9600.00	5.22	73.00	9491.06	370.30	1211.21	496.10	2.00	
9700.00	3.22	73.00	9590.78	372.45	1218.24	498.98	2.00	
9793.29	1.35	73.00	9684.00	373.54	1221.79	500.43	2.00	Bone Spring 1st
9800.00	1.22	73.00	9690.70	373.58	1221.94	500.49	2.00	
9860.83	0.00	73.00	9751.52	373.77	1222.55	500.74	2.00	Hold Vertical
9900.00	0.00	359.62	9790.70	373.77	1222.55	500.75	0.00	
10000.00	0.00	359.62	9890.70	373.77	1222.55	500.75	0.00	
10059.30	0.00	359.62	9950.00	373.77	1222.55	500.75	0.00	2nd Bone Spring Silt
10100.00	0.00	359.62	9990.70	373.77	1222.55	500.75	0.00	
10200.00	0.00	359.62	10090.70	373.77	1222.55	500.75	0.00	
10300.00	0.00	359.62	10190.70	373.77	1222.55	500.75	0.00	
10369.30	0.00	359.62	10260.00	373.77	1222.55	500.75	0.00	Bone Spring 2nd
10400.00	0.00	359.62	10290.70	373.77	1222.55	500.75	0.00	
10500.00	0.00	359.62	10390.70	373.77	1222.55	500.75	0.00	
10600.00	0.00	359.62	10490.70	373.77	1222.55	500.75	0.00	
10700.00	0.00	359.62	10590.70	373.77	1222.55	500.75	0.00	
10786.34	0.00	359.62	10677.04	373.77	1222.55	500.74	0.00	KOP
10800.00	1.37	359.62	10690.70	373.94	1222.55	500.91	10.00	
10889.86	10.35	359.62	10780.00	383.10	1222.49	510.01	10.00	3rd Bone Spring Lime / Point of Penetration
10900.00	11.37	359.62	10789.96	385.01	1222.48	511.91	10.00	
11000.00	21.37	359.62	10885.78	413.15	1222.29	539.87	10.00	
11100.00	31.37	359.62	10975.27	457.50	1222.00	583.95	10.00	
11200.00	41.37	359.62	11055.69	516.72	1221.61	642.79	10.00	
11300.00	51.37	359.62	11124.61	589.00	1221.13	714.62	10.00	
11400.00	61.37	359.62	11179.93	672.15	1220.57	797.25	10.00	
11500.00	71.37	359.62	11219.96	763.65	1219.97	888.17	10.00	
11600.00	81.37	359.62	11243.51	860.70	1219.32	984.61	10.00	
11686.34	90.00	359.62	11250.00	946.72	1218.75	1070.09	10.00	Landing Point
11700.00	90.00	359.62	11250.00	960.37	1218.66	1083.66	0.00	
11800.00	90.00	359.62	11250.00	1060.37	1218.00	1183.03	0.00	
11900.00	90.00	359.62	11250.00	1160.37	1217.34	1282.40	0.00	
12000.00	90.00	359.62	11250.00	1260.37	1216.67	1381.77	0.00	
12100.00	90.00	359.62	11250.00	1360.37	1216.01	1481.14	0.00	
12200.00	90.00	359.62	11250.00	1460.36	1215.34	1580.50	0.00	
12300.00	90.00	359.62	11250.00	1560.36	1214.68	1679.87	0.00	

Gato Grande 9-4 Fed Com 301H



Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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 (ft)	INC (°)	AZI (°)	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
12400.00	90.00	359.62	11250.00	1660.36	1214.02	1779.24	0.00	
12500.00	90.00	359.62	11250.00	1760.36	1213.35	1878.61	0.00	
12600.00	90.00	359.62	11250.00	1860.36	1212.69	1977.98	0.00	
12700.00	90.00	359.62	11250.00	1960.35	1212.03	2077.35	0.00	
12800.00	90.00	359.62	11250.00	2060.35	1211.36	2176.72	0.00	
12900.00	90.00	359.62	11250.00	2160.35	1210.70	2276.09	0.00	
13000.00	90.00	359.62	11250.00	2260.35	1210.03	2375.46	0.00	
13100.00	90.00	359.62	11250.00	2360.34	1209.37	2474.83	0.00	
13200.00	90.00	359.62	11250.00	2460.34	1208.71	2574.19	0.00	
13300.00	90.00	359.62	11250.00	2560.34	1208.04	2673.56	0.00	
13400.00	90.00	359.62	11250.00	2660.34	1207.38	2772.93	0.00	
13500.00	90.00	359.62	11250.00	2760.34	1206.72	2872.30	0.00	
13600.00	90.00	359.62	11250.00	2860.33	1206.05	2971.67	0.00	
13700.00	90.00	359.62	11250.00	2960.33	1205.39	3071.04	0.00	
13800.00	90.00	359.62	11250.00	3060.33	1204.72	3170.41	0.00	
13900.00	90.00	359.62	11250.00	3160.33	1204.06	3269.78	0.00	
14000.00	90.00	359.62	11250.00	3260.32	1203.40	3369.15	0.00	
14100.00	90.00	359.62	11250.00	3360.32	1202.73	3468.51	0.00	
14200.00	90.00	359.62	11250.00	3460.32	1202.07	3567.88	0.00	
14300.00	90.00	359.62	11250.00	3560.32	1201.41	3667.25	0.00	
14400.00	90.00	359.62	11250.00	3660.32	1200.74	3766.62	0.00	
14500.00	90.00	359.62	11250.00	3760.31	1200.08	3865.99	0.00	
14600.00	90.00	359.62	11250.00	3860.31	1199.41	3965.36	0.00	
14700.00	90.00	359.62	11250.00	3960.31	1198.75	4064.73	0.00	
14800.00	90.00	359.62	11250.00	4060.31	1198.09	4164.10	0.00	
14900.00	90.00	359.62	11250.00	4160.30	1197.42	4263.47	0.00	
15000.00	90.00	359.62	11250.00	4260.30	1196.76	4362.84	0.00	
15100.00	90.00	359.62	11250.00	4360.30	1196.10	4462.20	0.00	
15200.00	90.00	359.62	11250.00	4460.30	1195.43	4561.57	0.00	
15300.00	90.00	359.62	11250.00	4560.30	1194.77	4660.94	0.00	
15400.00	90.00	359.62	11250.00	4660.29	1194.10	4760.31	0.00	
15500.00	90.00	359.62	11250.01	4760.29	1193.44	4859.68	0.00	
15600.00	90.00	359.62	11250.01	4860.29	1192.78	4959.05	0.00	
15700.00	90.00	359.62	11250.01	4960.29	1192.11	5058.42	0.00	
15800.00	90.00	359.62	11250.01	5060.28	1191.45	5157.79	0.00	
15900.00	90.00	359.62	11250.01	5160.28	1190.79	5257.16	0.00	
16000.00	90.00	359.62	11250.01	5260.28	1190.12	5356.52	0.00	
16100.00	90.00	359.62	11250.01	5360.28	1189.46	5455.89	0.00	
16200.00	90.00	359.62	11250.01	5460.28	1188.79	5555.26	0.00	
16300.00	90.00	359.62	11250.01	5560.27	1188.13	5654.63	0.00	
16400.00	90.00	359.62	11250.01	5660.27	1187.47	5754.00	0.00	
16500.00	90.00	359.62	11250.01	5760.27	1186.80	5853.37	0.00	
16600.00	90.00	359.62	11250.01	5860.27	1186.14	5952.74	0.00	
16700.00	90.00	359.62	11250.01	5960.26	1185.48	6052.11	0.00	
16800.00	90.00	359.62	11250.01	6060.26	1184.81	6151.48	0.00	
16900.00	90.00	359.62	11250.01	6160.26	1184.15	6250.85	0.00	
17000.00	90.00	359.62	11250.01	6260.26	1183.48	6350.21	0.00	
17100.00	90.00	359.62	11250.01	6360.26	1182.82	6449.58	0.00	
17200.00	90.00	359.62	11250.01	6460.25	1182.16	6548.95	0.00	
17300.00	90.00	359.62	11250.01	6560.25	1181.49	6648.32	0.00	
17400.00	90.00	359.62	11250.01	6660.25	1180.83	6747.69	0.00	
17500.00	90.00	359.62	11250.01	6760.25	1180.17	6847.06	0.00	
17600.00	90.00	359.62	11250.01	6860.24	1179.50	6946.43	0.00	
17700.00	90.00	359.62	11250.01	6960.24	1178.84	7045.80	0.00	
17800.00	90.00	359.62	11250.01	7060.24	1178.17	7145.17	0.00	
17900.00	90.00	359.62	11250.01	7160.24	1177.51	7244.53	0.00	
18000.00	90.00	359.62	11250.01	7260.24	1176.85	7343.90	0.00	
18100.00	90.00	359.62	11250.01	7360.23	1176.18	7443.27	0.00	
18200.00	90.00	359.62	11250.01	7460.23	1175.52	7542.64	0.00	
18300.00	90.00	359.62	11250.01	7560.23	1174.86	7642.01	0.00	
18400.00	90.00	359.62	11250.01	7660.23	1174.19	7741.38	0.00	
18500.00	90.00	359.62	11250.01	7760.23	1173.53	7840.75	0.00	
18600.00	90.00	359.62	11250.01	7860.22	1172.86	7940.12	0.00	
18700.00	90.00	359.62	11250.01	7960.22	1172.20	8039.49	0.00	
18800.00	90.00	359.62	11250.01	8060.22	1171.54	8138.86	0.00	
18900.00	90.00	359.62	11250.01	8160.22	1170.87	8238.22	0.00	
19000.00	90.00	359.62	11250.01	8260.21	1170.21	8337.59	0.00	
19100.00	90.00	359.62	11250.01	8360.21	1169.55	8436.96	0.00	
19200.00	90.00	359.62	11250.01	8460.21	1168.88	8536.33	0.00	
19300.00	90.00	359.62	11250.01	8560.21	1168.22	8635.70	0.00	

Gato Grande 9-4 Fed Com 301H



Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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)	
19400.00	90.00	359.62	11250.01	8660.21	1167.55	8735.07	0.00	
19500.00	90.00	359.62	11250.01	8760.20	1166.89	8834.44	0.00	
19600.00	90.00	359.62	11250.01	8860.20	1166.23	8933.81	0.00	
19700.00	90.00	359.62	11250.01	8960.20	1165.56	9033.18	0.00	
19800.00	90.00	359.62	11250.01	9060.20	1164.90	9132.54	0.00	
19900.00	90.00	359.62	11250.01	9160.19	1164.24	9231.91	0.00	
20000.00	90.00	359.62	11250.01	9260.19	1163.57	9331.28	0.00	
20100.00	90.00	359.62	11250.01	9360.19	1162.91	9430.65	0.00	
20200.00	90.00	359.62	11250.01	9460.19	1162.24	9530.02	0.00	
20300.00	90.00	359.62	11250.01	9560.19	1161.58	9629.39	0.00	
20400.00	90.00	359.62	11250.01	9660.18	1160.92	9728.76	0.00	
20500.00	90.00	359.62	11250.01	9760.18	1160.25	9828.13	0.00	
20600.00	90.00	359.62	11250.01	9860.18	1159.59	9927.50	0.00	
20700.00	90.00	359.62	11250.01	9960.18	1158.93	10026.87	0.00	
20800.00	90.00	359.62	11250.01	10060.17	1158.26	10126.23	0.00	
20900.00	90.00	359.62	11250.01	10160.17	1157.60	10225.60	0.00	
21000.00	90.00	359.62	11250.01	10260.17	1156.93	10324.97	0.00	
21100.00	90.00	359.62	11250.01	10360.17	1156.27	10424.34	0.00	
21200.00	90.00	359.62	11250.01	10460.17	1155.61	10523.71	0.00	
21300.00	90.00	359.62	11250.01	10560.16	1154.94	10623.08	0.00	
21400.00	90.00	359.62	11250.01	10660.16	1154.28	10722.45	0.00	
21500.00	90.00	359.62	11250.01	10760.16	1153.62	10821.82	0.00	
21520.84	90.00	359.62	11250.01	10781.00	1153.48	10842.53	0.00	exit
21600.00	90.00	359.62	11250.01	10860.16	1152.95	10921.19	0.00	
21600.84	90.00	359.62	11250.00	10861.00	1153.00	10922.03	0.00	BHL

Gato Grande 9-4 Fed Com 301H

Well: Gato Grande 9-4 Fed Com 301H
County: Lea
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)	

Section 2 - Blowout Preventer Testing Procedure

Variance Request

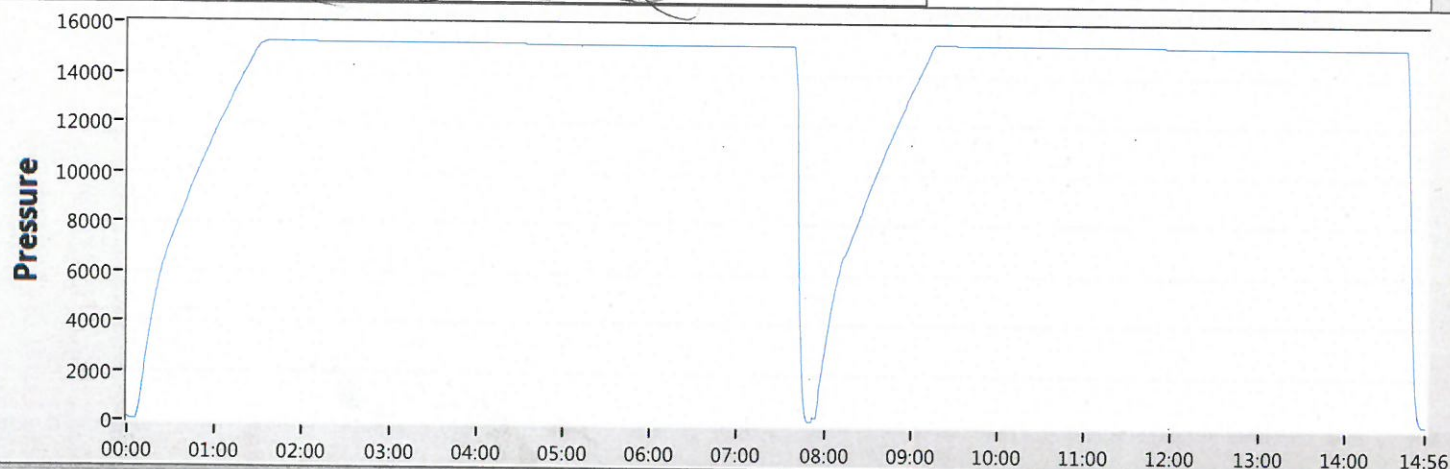
Devon Energy requests to only test BOP connection breaks after drilling out of surface casing and while skidding between wells which conforms to API Standard 53 and industry standards. This test will include the Top Pipe Rams, HCR, Kill Line Check Valve, QDC (quick disconnect to wellhead) and Shell of the 10M BOPE to 5M for 10 minutes. If a break to the flex hose that runs to the choke manifold is required due to repositioning from a skid, the HCR will remain open during the shell test to include that additional break. The variance only pertains to intermediate hole-sections and no deeper than the Bone Springs Formation where 5M BOP tests are required. The initial BOP test will follow OOGO2.III.A.2.i, and subsequent tests following a skid will only test connections that are broken. The annular preventer will be tested to 100% working pressure. This variance will meet or exceed OOGO2.III.A.2.i per the following: Devon Energy will perform a full BOP test per OOGO2.III.A.2.i before drilling out of the intermediate casing string(s) and starting the production hole, before starting any hole section that requires a 10M test, before the expiration of the allotted 14-days for 5M intermediate batch drilling or when the drilling rig is fully mobilized to a new well pad, whichever is sooner. We will utilize a 200' TVD tolerance between intermediate shoes as the cutoff for a full BOP test. The BLM will be contacted 4hrs prior to a BOPE test. The BLM will be notified if and when a well control event is encountered. Break test will be a 14 day interval and not a 30 day full BOPE test interval. If in the event break testing is not utilized, then a full BOPE test would be conducted.

1. Well Control Response:
 1. Primary barrier remains fluid
 2. In the event of an influx due to being underbalanced and after a realized gain or flow, the order of closing BOPE is as follows:
 - a) Annular first
 - b) If annular were to not hold, Upper pipe rams second (which were tested on the skid BOP test)
 - c) If the Upper Pipe Rams were to not hold, Lower Pipe Rams would be third

Cactus
Wellhead2-9-17
E Bell

80.7 °F

15:49



50

Date 02-09-17

Tested By E.BELL

Transducer bay2

Transducer Serial 181504

Calibration Date 9/6/15

Job#	Part#	Serial#	Description	Test Pressure
1	TRJ0006341-0007	116966	TRJ6341-7-1 ADPT,DRLG,CW,MBU-3T,13-5/8 10M	15000
2				
3				
4				
5			TRANSDUCER CALIBRATION DUE 03/13/2017	
6				
7				
8				



Start



Stop



Zero



Config



Save



Print

EXIT

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

CONDITIONS

Action 209156

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 209156
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	4/28/2023