

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

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-51439
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		6. State Oil & Gas Lease No.
3. Address of Operator 333 W SHERIDAN AVE OKLAHOMA CITY, OK 73102		7. Lease Name or Unit Agreement Name NORTH THISTLE 3 34 STATE COM
4. Well Location Unit Letter <u>D</u> : <u>225</u> feet from the <u>NORTH</u> line and <u>853</u> feet from the <u>WEST</u> line Section <u>34</u> Township <u>22S</u> Range <u>33E</u> NMPM County <u>LEA</u>		8. Well Number 401H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3584.8		9. OGRID Number 6137
		10. Pool name or Wildcat BRINNINSTOOL;BONE SPRING

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

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

Devon Energy Production Company, L.P. respectfully requests the following change to the original APD:

BHL change from 20 FSL & 680 FWL to 20 FSL & 950 FWL, both 3-23S-33E

Please see attached revised C-102, drilling and directional plans.

Spud Date:

Rig Release Date:

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

SIGNATURE Rebecca Deal TITLE REGULATORY PROFESSIONAL DATE 11/20/2023

Type or print name Rebecca Deal E-mail address: rebecca.deal@dnv.com PHONE: 405-228-8492

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

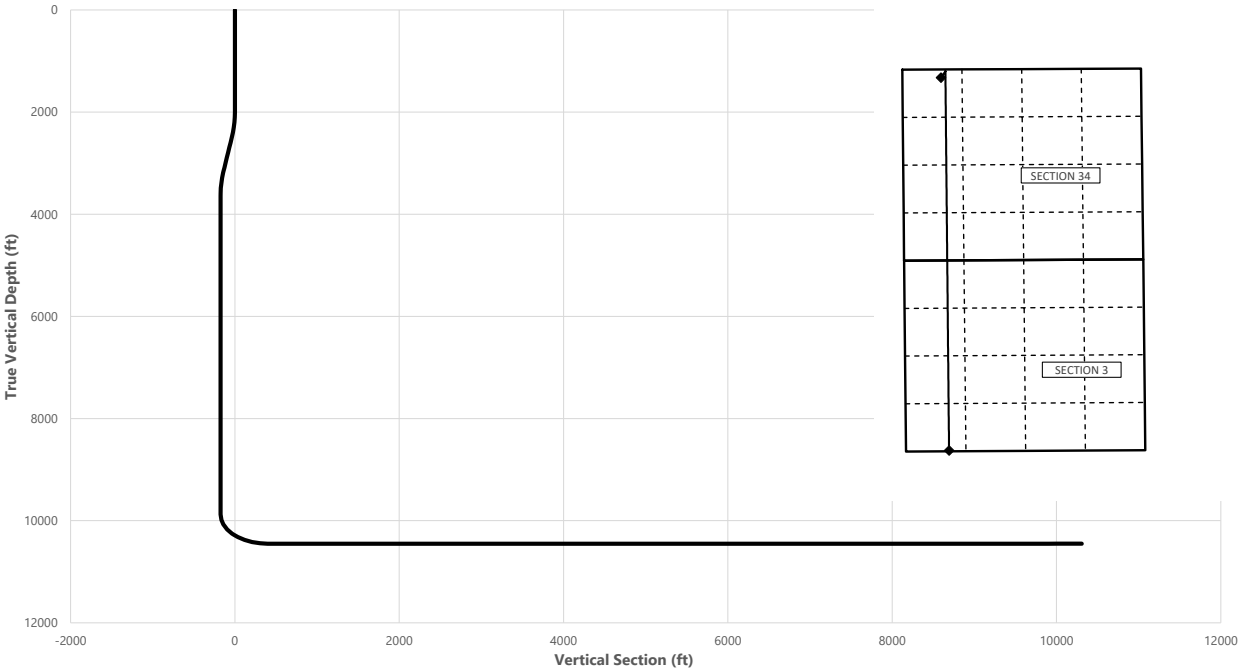
NORTH THISTLE 3 34 STATE COM 401H



Well: NORTH THISTLE 3 34 STATE COM 401H
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	29.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2500.00	10.00	29.00	2497.47	38.07	21.10	-37.70	2.00	Hold Tangent
3158.72	10.00	29.00	3146.18	138.11	76.56	-136.77	0.00	Drop to Vertical
3658.72	0.00	29.00	3643.64	176.18	97.66	-174.46	2.00	Hold Vertical
9892.12	0.00	179.56	9877.04	176.18	97.66	-174.46	0.00	KOP
10792.12	90.00	179.56	10450.00	-396.77	102.06	398.47	10.00	Landing Point
20701.16	90.00	179.56	10450.00	-10305.51	178.15	10307.05	0.00	BHL



Key Depths	MD	TVD
	(ft)	(ft)
Rustler	1012.00	1012.00
Salt	1236.00	1236.00
Base of Salt	5088.08	5073.00
Delaware	5088.08	5073.00
Cherry Canyon	6079.08	6064.00
Brushy Canyon	7400.08	7385.00
1st Bone Spring Lime	8946.08	8931.00
Bone Spring 1st	10088.92	10070.00
Bone Spring Lime 2nd / Point of Pen	10339.04	10280.00
exit	20621.16	10450.01

SHL
KOP
Point of Penetration
Exit
BHL

MD	TVD	Lat	Long	Section Footages
(ft)	(ft)	(°)	(°)	
0.00	0.00	32.3548	-103.5661	225' FNL, 853' FWL of Sec 34 in T22S, R33E
9892.12	9877.04	32.3553	-103.5658	49' FNL, 951' FWL of Sec 34 in T22S, R33E
10339.04	10280.00	32.3552	-103.5657	100' FNL, 950' FWL of Sec 34 in T22S, R33E
20621.16	10450.01	32.3268	-103.5657	100' FNL, 950' FWL of Sec 3 in T23S, R33E
20701.16	10450.00	32.3265	-103.5658	20' FSL, 950' FWL of Sec 3 in T23S, R33E

	Y	X	MD
KOP	493864.2	778364	9892.12

NORTH THISTLE 3 34 STATE COM 401H



Well: NORTH THISTLE 3 34 STATE COM 401H
 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	29.00	100.00	0.00	0.00	0.00	0.00	
200.00	0.00	29.00	200.00	0.00	0.00	0.00	0.00	
300.00	0.00	29.00	300.00	0.00	0.00	0.00	0.00	
400.00	0.00	29.00	400.00	0.00	0.00	0.00	0.00	
500.00	0.00	29.00	500.00	0.00	0.00	0.00	0.00	
600.00	0.00	29.00	600.00	0.00	0.00	0.00	0.00	
700.00	0.00	29.00	700.00	0.00	0.00	0.00	0.00	
800.00	0.00	29.00	800.00	0.00	0.00	0.00	0.00	
900.00	0.00	29.00	900.00	0.00	0.00	0.00	0.00	
1000.00	0.00	29.00	1000.00	0.00	0.00	0.00	0.00	
1012.00	0.00	29.00	1012.00	0.00	0.00	0.00	0.00	Rustler
1100.00	0.00	29.00	1100.00	0.00	0.00	0.00	0.00	
1200.00	0.00	29.00	1200.00	0.00	0.00	0.00	0.00	
1236.00	0.00	29.00	1236.00	0.00	0.00	0.00	0.00	Salt
1300.00	0.00	29.00	1300.00	0.00	0.00	0.00	0.00	
1400.00	0.00	29.00	1400.00	0.00	0.00	0.00	0.00	
1500.00	0.00	29.00	1500.00	0.00	0.00	0.00	0.00	
1600.00	0.00	29.00	1600.00	0.00	0.00	0.00	0.00	
1700.00	0.00	29.00	1700.00	0.00	0.00	0.00	0.00	
1800.00	0.00	29.00	1800.00	0.00	0.00	0.00	0.00	
1900.00	0.00	29.00	1900.00	0.00	0.00	0.00	0.00	
2000.00	0.00	29.00	2000.00	0.00	0.00	0.00	0.00	Start Tangent
2100.00	2.00	29.00	2099.98	1.53	0.85	-1.51	2.00	
2200.00	4.00	29.00	2199.84	6.10	3.38	-6.04	2.00	
2300.00	6.00	29.00	2299.45	13.73	7.61	-13.59	2.00	
2400.00	8.00	29.00	2398.70	24.38	13.52	-24.15	2.00	
2500.00	10.00	29.00	2497.47	38.07	21.10	-37.70	2.00	Hold Tangent
2600.00	10.00	29.00	2595.95	53.25	29.52	-52.74	0.00	
2700.00	10.00	29.00	2694.43	68.44	37.94	-67.77	0.00	
2800.00	10.00	29.00	2792.91	83.63	46.36	-82.81	0.00	
2900.00	10.00	29.00	2891.39	98.82	54.77	-97.85	0.00	
3000.00	10.00	29.00	2989.87	114.00	63.19	-112.89	0.00	
3100.00	10.00	29.00	3088.35	129.19	71.61	-127.93	0.00	
3158.72	10.00	29.00	3146.18	138.11	76.56	-136.77	0.00	Drop to Vertical
3200.00	9.17	29.00	3186.88	144.12	79.89	-142.72	2.00	
3300.00	7.17	29.00	3285.86	156.56	86.78	-155.03	2.00	
3400.00	5.17	29.00	3385.27	165.96	92.00	-164.35	2.00	
3500.00	3.17	29.00	3485.00	172.33	95.52	-170.65	2.00	
3600.00	1.17	29.00	3584.93	175.65	97.36	-173.94	2.00	
3658.72	0.00	29.00	3643.64	176.18	97.66	-174.46	2.00	Hold Vertical
3700.00	0.00	179.56	3684.92	176.18	97.66	-174.46	0.00	
3800.00	0.00	179.56	3784.92	176.18	97.66	-174.46	0.00	
3900.00	0.00	179.56	3884.92	176.18	97.66	-174.46	0.00	
4000.00	0.00	179.56	3984.92	176.18	97.66	-174.46	0.00	
4100.00	0.00	179.56	4084.92	176.18	97.66	-174.46	0.00	
4200.00	0.00	179.56	4184.92	176.18	97.66	-174.46	0.00	
4300.00	0.00	179.56	4284.92	176.18	97.66	-174.46	0.00	
4400.00	0.00	179.56	4384.92	176.18	97.66	-174.46	0.00	
4500.00	0.00	179.56	4484.92	176.18	97.66	-174.46	0.00	
4600.00	0.00	179.56	4584.92	176.18	97.66	-174.46	0.00	
4700.00	0.00	179.56	4684.92	176.18	97.66	-174.46	0.00	
4800.00	0.00	179.56	4784.92	176.18	97.66	-174.46	0.00	
4900.00	0.00	179.56	4884.92	176.18	97.66	-174.46	0.00	
5000.00	0.00	179.56	4984.92	176.18	97.66	-174.46	0.00	
5088.08	0.00	179.56	5073.00	176.18	97.66	-174.46	0.00	Base of Salt, Delaware
5100.00	0.00	179.56	5084.92	176.18	97.66	-174.46	0.00	
5200.00	0.00	179.56	5184.92	176.18	97.66	-174.46	0.00	
5300.00	0.00	179.56	5284.92	176.18	97.66	-174.46	0.00	
5400.00	0.00	179.56	5384.92	176.18	97.66	-174.46	0.00	
5500.00	0.00	179.56	5484.92	176.18	97.66	-174.46	0.00	
5600.00	0.00	179.56	5584.92	176.18	97.66	-174.46	0.00	
5700.00	0.00	179.56	5684.92	176.18	97.66	-174.46	0.00	
5800.00	0.00	179.56	5784.92	176.18	97.66	-174.46	0.00	
5900.00	0.00	179.56	5884.92	176.18	97.66	-174.46	0.00	
6000.00	0.00	179.56	5984.92	176.18	97.66	-174.46	0.00	
6079.08	0.00	179.56	6064.00	176.18	97.66	-174.46	0.00	Cherry Canyon
6100.00	0.00	179.56	6084.92	176.18	97.66	-174.46	0.00	
6200.00	0.00	179.56	6184.92	176.18	97.66	-174.46	0.00	
6300.00	0.00	179.56	6284.92	176.18	97.66	-174.46	0.00	

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

MD (ft)	INC (")	AZI (")	TVD (ft)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Comment
6400.00	0.00	179.56	6384.92	176.18	97.66	-174.46	0.00	
6500.00	0.00	179.56	6484.92	176.18	97.66	-174.46	0.00	
6600.00	0.00	179.56	6584.92	176.18	97.66	-174.46	0.00	
6700.00	0.00	179.56	6684.92	176.18	97.66	-174.46	0.00	
6800.00	0.00	179.56	6784.92	176.18	97.66	-174.46	0.00	
6900.00	0.00	179.56	6884.92	176.18	97.66	-174.46	0.00	
7000.00	0.00	179.56	6984.92	176.18	97.66	-174.46	0.00	
7100.00	0.00	179.56	7084.92	176.18	97.66	-174.46	0.00	
7200.00	0.00	179.56	7184.92	176.18	97.66	-174.46	0.00	
7300.00	0.00	179.56	7284.92	176.18	97.66	-174.46	0.00	
7400.00	0.00	179.56	7384.92	176.18	97.66	-174.46	0.00	
7400.08	0.00	179.56	7385.00	176.18	97.66	-174.46	0.00	Brushy Canyon
7500.00	0.00	179.56	7484.92	176.18	97.66	-174.46	0.00	
7600.00	0.00	179.56	7584.92	176.18	97.66	-174.46	0.00	
7700.00	0.00	179.56	7684.92	176.18	97.66	-174.46	0.00	
7800.00	0.00	179.56	7784.92	176.18	97.66	-174.46	0.00	
7900.00	0.00	179.56	7884.92	176.18	97.66	-174.46	0.00	
8000.00	0.00	179.56	7984.92	176.18	97.66	-174.46	0.00	
8100.00	0.00	179.56	8084.92	176.18	97.66	-174.46	0.00	
8200.00	0.00	179.56	8184.92	176.18	97.66	-174.46	0.00	
8300.00	0.00	179.56	8284.92	176.18	97.66	-174.46	0.00	
8400.00	0.00	179.56	8384.92	176.18	97.66	-174.46	0.00	
8500.00	0.00	179.56	8484.92	176.18	97.66	-174.46	0.00	
8600.00	0.00	179.56	8584.92	176.18	97.66	-174.46	0.00	
8700.00	0.00	179.56	8684.92	176.18	97.66	-174.46	0.00	
8800.00	0.00	179.56	8784.92	176.18	97.66	-174.46	0.00	
8900.00	0.00	179.56	8884.92	176.18	97.66	-174.46	0.00	
8946.08	0.00	179.56	8931.00	176.18	97.66	-174.46	0.00	1st Bone Spring Lime
9000.00	0.00	179.56	8984.92	176.18	97.66	-174.46	0.00	
9100.00	0.00	179.56	9084.92	176.18	97.66	-174.46	0.00	
9200.00	0.00	179.56	9184.92	176.18	97.66	-174.46	0.00	
9300.00	0.00	179.56	9284.92	176.18	97.66	-174.46	0.00	
9400.00	0.00	179.56	9384.92	176.18	97.66	-174.46	0.00	
9500.00	0.00	179.56	9484.92	176.18	97.66	-174.46	0.00	
9600.00	0.00	179.56	9584.92	176.18	97.66	-174.46	0.00	
9700.00	0.00	179.56	9684.92	176.18	97.66	-174.46	0.00	
9800.00	0.00	179.56	9784.92	176.18	97.66	-174.46	0.00	
9892.12	0.00	179.56	9877.04	176.18	97.66	-174.46	0.00	KOP
9900.00	0.79	179.56	9884.92	176.12	97.66	-174.41	10.00	
10000.00	10.79	179.56	9984.29	166.05	97.73	-164.34	10.00	
10088.92	19.68	179.56	10070.00	142.71	97.91	-140.99	10.00	Bone Spring 1st
10100.00	20.79	179.56	10080.39	138.88	97.94	-137.16	10.00	
10200.00	30.79	179.56	10170.32	95.43	98.28	-93.72	10.00	
10300.00	40.79	179.56	10251.33	37.03	98.72	-35.31	10.00	
10339.04	44.69	179.56	10280.00	10.54	98.93	-8.83	10.00	Bone Spring Lime 2nd / Point of Penetration
10400.00	50.79	179.56	10320.98	-34.56	99.27	36.27	10.00	
10500.00	60.79	179.56	10377.13	-117.15	99.91	118.86	10.00	
10600.00	70.79	179.56	10418.09	-208.23	100.61	209.94	10.00	
10700.00	80.79	179.56	10442.61	-305.05	101.35	306.75	10.00	
10792.12	90.00	179.56	10450.00	-396.77	102.06	398.47	10.00	Landing Point
10800.00	90.00	179.56	10450.00	-404.65	102.12	406.35	0.00	
10900.00	90.00	179.56	10450.00	-504.64	102.88	506.35	0.00	
11000.00	90.00	179.56	10450.00	-604.64	103.65	606.34	0.00	
11100.00	90.00	179.56	10450.00	-704.64	104.42	706.34	0.00	
11200.00	90.00	179.56	10450.00	-804.63	105.19	806.33	0.00	
11300.00	90.00	179.56	10450.00	-904.63	105.96	906.33	0.00	
11400.00	90.00	179.56	10450.00	-1004.63	106.73	1006.32	0.00	
11500.00	90.00	179.56	10450.00	-1104.63	107.49	1106.32	0.00	
11600.00	90.00	179.56	10450.00	-1204.62	108.26	1206.31	0.00	
11700.00	90.00	179.56	10450.00	-1304.62	109.03	1306.31	0.00	
11800.00	90.00	179.56	10450.00	-1404.62	109.80	1406.31	0.00	
11900.00	90.00	179.56	10450.00	-1504.61	110.57	1506.30	0.00	
12000.00	90.00	179.56	10450.00	-1604.61	111.33	1606.30	0.00	
12100.00	90.00	179.56	10450.00	-1704.61	112.10	1706.29	0.00	
12200.00	90.00	179.56	10450.00	-1804.61	112.87	1806.29	0.00	
12300.00	90.00	179.56	10450.00	-1904.60	113.64	1906.28	0.00	
12400.00	90.00	179.56	10450.00	-2004.60	114.41	2006.28	0.00	
12500.00	90.00	179.56	10450.00	-2104.60	115.18	2106.27	0.00	
12600.00	90.00	179.56	10450.00	-2204.59	115.94	2206.27	0.00	
12700.00	90.00	179.56	10450.00	-2304.59	116.71	2306.26	0.00	

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12800.00	90.00	179.56	10450.00	-2404.59	117.48	2406.26	0.00	
12900.00	90.00	179.56	10450.00	-2504.58	118.25	2506.25	0.00	
13000.00	90.00	179.56	10450.00	-2604.58	119.02	2606.25	0.00	
13100.00	90.00	179.56	10450.00	-2704.58	119.78	2706.25	0.00	
13200.00	90.00	179.56	10450.00	-2804.58	120.55	2806.24	0.00	
13300.00	90.00	179.56	10450.00	-2904.57	121.32	2906.24	0.00	
13400.00	90.00	179.56	10450.00	-3004.57	122.09	3006.23	0.00	
13500.00	90.00	179.56	10450.00	-3104.57	122.86	3106.23	0.00	
13600.00	90.00	179.56	10450.00	-3204.56	123.63	3206.22	0.00	
13700.00	90.00	179.56	10450.00	-3304.56	124.39	3306.22	0.00	
13800.00	90.00	179.56	10450.00	-3404.56	125.16	3406.21	0.00	
13900.00	90.00	179.56	10450.00	-3504.56	125.93	3506.21	0.00	
14000.00	90.00	179.56	10450.00	-3604.55	126.70	3606.20	0.00	
14100.00	90.00	179.56	10450.00	-3704.55	127.47	3706.20	0.00	
14200.00	90.00	179.56	10450.00	-3804.55	128.24	3806.19	0.00	
14300.00	90.00	179.56	10450.00	-3904.54	129.00	3906.19	0.00	
14400.00	90.00	179.56	10450.00	-4004.54	129.77	4006.19	0.00	
14500.00	90.00	179.56	10450.00	-4104.54	130.54	4106.18	0.00	
14600.00	90.00	179.56	10450.01	-4204.53	131.31	4206.18	0.00	
14700.00	90.00	179.56	10450.01	-4304.53	132.08	4306.17	0.00	
14800.00	90.00	179.56	10450.01	-4404.53	132.84	4406.17	0.00	
14900.00	90.00	179.56	10450.01	-4504.53	133.61	4506.16	0.00	
15000.00	90.00	179.56	10450.01	-4604.52	134.38	4606.16	0.00	
15100.00	90.00	179.56	10450.01	-4704.52	135.15	4706.15	0.00	
15200.00	90.00	179.56	10450.01	-4804.52	135.92	4806.15	0.00	
15300.00	90.00	179.56	10450.01	-4904.51	136.69	4906.14	0.00	
15400.00	90.00	179.56	10450.01	-5004.51	137.45	5006.14	0.00	
15500.00	90.00	179.56	10450.01	-5104.51	138.22	5106.13	0.00	
15600.00	90.00	179.56	10450.01	-5204.51	138.99	5206.13	0.00	
15700.00	90.00	179.56	10450.01	-5304.50	139.76	5306.13	0.00	
15800.00	90.00	179.56	10450.01	-5404.50	140.53	5406.12	0.00	
15900.00	90.00	179.56	10450.01	-5504.50	141.29	5506.12	0.00	
16000.00	90.00	179.56	10450.01	-5604.49	142.06	5606.11	0.00	
16100.00	90.00	179.56	10450.01	-5704.49	142.83	5706.11	0.00	
16200.00	90.00	179.56	10450.01	-5804.49	143.60	5806.10	0.00	
16300.00	90.00	179.56	10450.01	-5904.48	144.37	5906.10	0.00	
16400.00	90.00	179.56	10450.01	-6004.48	145.14	6006.09	0.00	
16500.00	90.00	179.56	10450.01	-6104.48	145.90	6106.09	0.00	
16600.00	90.00	179.56	10450.01	-6204.48	146.67	6206.08	0.00	
16700.00	90.00	179.56	10450.01	-6304.47	147.44	6306.08	0.00	
16800.00	90.00	179.56	10450.01	-6404.47	148.21	6406.07	0.00	
16900.00	90.00	179.56	10450.01	-6504.47	148.98	6506.07	0.00	
17000.00	90.00	179.56	10450.01	-6604.46	149.74	6606.07	0.00	
17100.00	90.00	179.56	10450.01	-6704.46	150.51	6706.06	0.00	
17200.00	90.00	179.56	10450.01	-6804.46	151.28	6806.06	0.00	
17300.00	90.00	179.56	10450.01	-6904.45	152.05	6906.05	0.00	
17400.00	90.00	179.56	10450.01	-7004.45	152.82	7006.05	0.00	
17500.00	90.00	179.56	10450.01	-7104.45	153.59	7106.04	0.00	
17600.00	90.00	179.56	10450.01	-7204.45	154.35	7206.04	0.00	
17700.00	90.00	179.56	10450.01	-7304.44	155.12	7306.03	0.00	
17800.00	90.00	179.56	10450.01	-7404.44	155.89	7406.03	0.00	
17900.00	90.00	179.56	10450.01	-7504.44	156.66	7506.02	0.00	
18000.00	90.00	179.56	10450.01	-7604.43	157.43	7606.02	0.00	
18100.00	90.00	179.56	10450.01	-7704.43	158.19	7706.01	0.00	
18200.00	90.00	179.56	10450.01	-7804.43	158.96	7806.01	0.00	
18300.00	90.00	179.56	10450.01	-7904.43	159.73	7906.01	0.00	
18400.00	90.00	179.56	10450.01	-8004.42	160.50	8006.00	0.00	
18500.00	90.00	179.56	10450.01	-8104.42	161.27	8106.00	0.00	
18600.00	90.00	179.56	10450.01	-8204.42	162.04	8205.99	0.00	
18700.00	90.00	179.56	10450.01	-8304.41	162.80	8305.99	0.00	
18800.00	90.00	179.56	10450.01	-8404.41	163.57	8405.98	0.00	
18900.00	90.00	179.56	10450.01	-8504.41	164.34	8505.98	0.00	
19000.00	90.00	179.56	10450.01	-8604.40	165.11	8605.97	0.00	
19100.00	90.00	179.56	10450.01	-8704.40	165.88	8705.97	0.00	
19200.00	90.00	179.56	10450.01	-8804.40	166.65	8805.96	0.00	
19300.00	90.00	179.56	10450.01	-8904.40	167.41	8905.96	0.00	
19400.00	90.00	179.56	10450.01	-9004.39	168.18	9005.95	0.00	
19500.00	90.00	179.56	10450.01	-9104.39	168.95	9105.95	0.00	
19600.00	90.00	179.56	10450.01	-9204.39	169.72	9205.95	0.00	
19700.00	90.00	179.56	10450.01	-9304.38	170.49	9305.94	0.00	

NORTH THISTLE 3 34 STATE COM 401H



Well: NORTH THISTLE 3 34 STATE COM 401H
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)	
19800.00	90.00	179.56	10450.01	-9404.38	171.25	9405.94	0.00	
19900.00	90.00	179.56	10450.01	-9504.38	172.02	9505.93	0.00	
20000.00	90.00	179.56	10450.01	-9604.38	172.79	9605.93	0.00	
20100.00	90.00	179.56	10450.01	-9704.37	173.56	9705.92	0.00	
20200.00	90.00	179.56	10450.01	-9804.37	174.33	9805.92	0.00	
20300.00	90.00	179.56	10450.01	-9904.37	175.10	9905.91	0.00	
20400.00	90.00	179.56	10450.01	-10004.36	175.86	10005.91	0.00	
20500.00	90.00	179.56	10450.01	-10104.36	176.63	10105.90	0.00	
20600.00	90.00	179.56	10450.01	-10204.36	177.40	10205.90	0.00	
20621.16	90.00	179.56	10450.01	-10225.51	177.56	10227.05	0.00	exit
20700.00	90.00	179.56	10450.01	-10304.35	178.17	10305.89	0.00	
20701.16	90.00	179.56	10450.00	-10305.51	178.15	10307.05	0.00	BHL

NORTH THISTLE 3 34 STATE COM 401H

1. Geologic Formations

TVD of target	10450	Pilot hole depth	N/A
MD at TD:	20701	Deepest expected fresh water	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone?	Hazards*
Rustler	1012		
Salt	1236		
Base of Salt	5073		
Delaware	5073		
Cherry Canyon	6064		
Brushy Canyon	7385		
1st Bone Spring Lime	8931		
Bone Spring 1st	10070		
Bone Spring Lime 2nd	10280		

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

NORTH THISTLE 3 34 STATE COM 401H

2. Casing Program

Hole Size	Csg. Size	Wt (PPF)	Grade	Conn	Casing Interval		Casing Interval	
					From (MD)	To (MD)	From (TVD)	To (TVD)
17 1/2	13 3/8	48	H40	BTC	0	1037	0	1037
12 1/4	9 5/8	40	J-55	BTC	0	5173	0	5173
8 3/4	5 1/2	17	P110	BTC	0	20701	0	10450

- All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 IILB.1.h Must have table for contingency casing.

NORTH THISTLE 3 34 STATE COM 401H

3. Cementing Program (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	789	Surf	13.2	1.4	Lead: Class C Cement + additives
Int 1	572	Surf	9.0	3.3	Lead: Class C Cement + additives
	154	4673	13.8	1.4	Tail: Class H / C + additives
Int 1 Intermediate Squeeze	743	Surf	9.0	3.3	Squeeze Lead: Class C Cement + additives
	572	Surf	9.0	3.3	Lead: Class C Cement + additives
	154	4673	13.8	1.4	Tail: Class H / C + additives
Production	445	4673	9.0	3.3	Lead: Class H / C + additives
	2086	9892	13.2	1.4	Tail: Class H / C + additives

Casing String	% Excess
Surface	50%
Intermediate	30%
Production	10%

NORTH THISTLE 3 34 STATE COM 401H

4. Pressure Control Equipment (Three String Design)

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
Int 1	13-5/8"	5M	Annular	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
Production	13-5/8"	5M	Annular	X	50% of rated working pressure
			Blind Ram	X	5M
			Pipe Ram		
			Double Ram	X	
			Other*		
			Annular (5M)		
			Blind Ram		
			Pipe Ram		
			Double Ram		
			Other*		

NORTH THISTLE 3 34 STATE COM 401H

5. Mud Program (Three String Design)

Section	Type	Weight (ppg)
Surface	FW Gel	8.5-9
Intermediate	Brine	10-10.5
Production	WBM	8.5-9

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, Coring and Testing**

X	Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the Completion Report and submitted 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	
	Density	
X	CBL	Production casing
X	Mud log	KOP to TD
	PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH pressure at deepest TVD	4891
Abnormal temperature	No

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

Hydrogen 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 Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM.

N	H ₂ S is present
Y	H ₂ S plan attached.

NORTH THISTLE 3 34 STATE COM 401H

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 (OnShore Order 2, 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 pad.
- 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. At that time an approved BOP stack will be nipped 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

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) 476-3460 Fax: (505) 476-3462

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-51439	Pool Code 7320	Pool Name BRINNINSTOOL;BONE SPRING
Property Code 322229	Property Name NORTH THISTLE 3-34 STATE COM	Well Number 401H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3584.8'

Surface Location

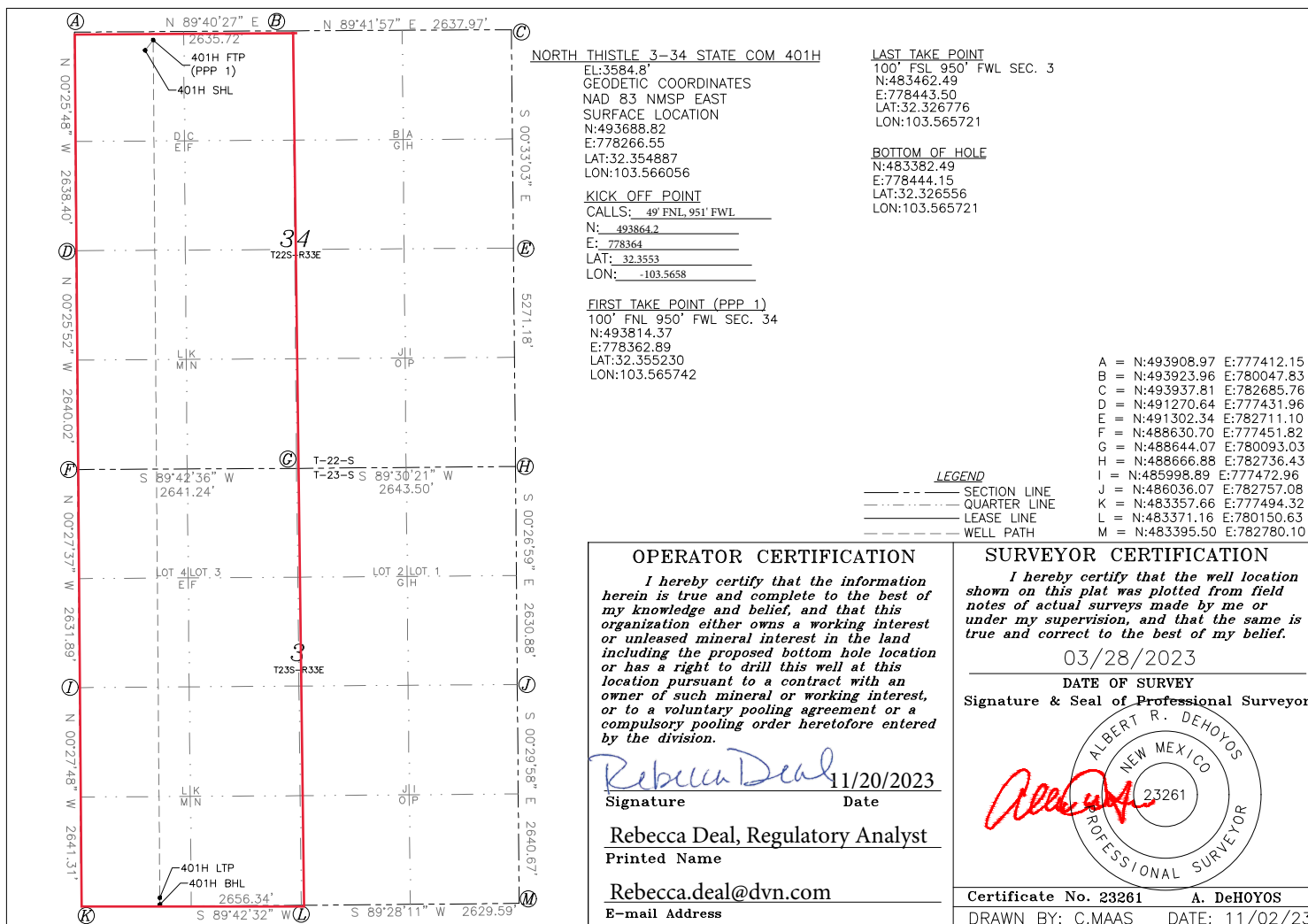
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	34	22-S	33-E		225	NORTH	853	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	3	23-S	33-E		20	SOUTH	950	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
639.73			

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



Intent ☒ As Drilled ☐

API #		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, LP.	Property Name: NORTH THISTLE 3-34 STATE COM	Well Number 401H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	34	22S	33E		49	FNL	951	FWL	LEA
Latitude 32.3553					Longitude -103.5658				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	34	22-S	33-E		100	NORTH	950	WEST	LEA
Latitude 32.355230					Longitude 103.565742				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	3	23-S	33-E		100	SOUTH	950	WEST	LEA
Latitude 32.326776					Longitude 103.565721				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ NIs this well an infill well? ☐ Y

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

API #		
Operator Name: Devon Energy Production Company, L.P.	Property Name: North Thistle 3 34 State Com	Well Number 2H

KZ 06/29/2018

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

CONDITIONS

Action 287423

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 287423
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	12/20/2023