

OCD-ARTESIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator **NADEL AND GUSSMAN HEYCO, LLC**3a. Address
PO BOX 1936 ~ ROSWELL NM 88202-19363b. Phone No. (include area code)
575/623/66014. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2540' FNL & 660' FEL, Sec. 12: T18S, R31E, SE/4 NE/4

5. Lease Serial No.

NMNM-106718

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No

TAYLOR DEEP 12 FED #9

9. API Well No.

30-015-39764

10. Field and Pool, or Exploratory Area

Young ; Bone Spring North

11. County or Parish, State

Eddy, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

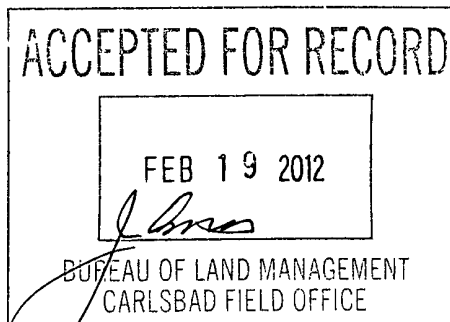
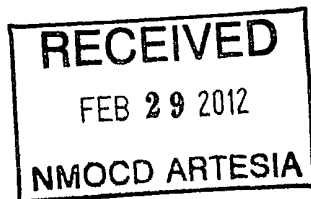
TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Directional
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Survey
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BLM Bond No. NMB00520

Surety Bond No. B004230

Attached: Directional Survey

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)**Tammy R. Link**Title **Production Tech**

Signature

Date

02/08/2012**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 USC Section 1001 and Title 43 USC 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

(Instructions on page 2)

30-015-39764



SURVEY CALCULATION PROGRAM

TARGET DETAILS

OPERATOR: Nadel & Gussman WELL: Taylor Deep 12 Fed #9 LOCATION: Artesia JOB NUMBER: WT-12029										Supervisors: Zane Barbre DD Donald Foster DD Lee MWD 0.0 MWD		TARGET N-S Directional TARGET E-W TARGET RADIUS TARGET DISPLACEMENT TARGET CLOSURE					
Curr< Prev< DIFF 0.0	S/Ahead PROJ #DIV/0! #DIV/0!		Kieth Cannon Co. Rep 0.0 Co. Rep		Patriot #1 Rig		TARGET KBTVD Horizontal DIP AZ DIP DEG UP-/DN- TARGET INCLINATION Magnetic Declination				2563.50 269.99 1.44 91.44 7.94						
Slide/Seen A/BR BRN JNT D/S 0.00 #DIV/0! #DIV/0! #DIV/0! #DIV/0!		Target #1 MD 2905 TVD 2563.00 Vertical Section 587.00 N-S 0.0 E-W -587.0		Sec/Plane 269.99		TARGET TRACKING TO CENTER ABOVE(+) RIGHT(+) BELOW(-) LEFT(-)		CLOSURE CLOSURE BUILD WALK DIR DISTANCE RATE/ RATE/ (DEG AZ) (FEET) °/100' °/100'									
SVY NUM	MD	INC	TRUE AZM	COURSE LENGTH	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+)	RIGHT(+)	BELOW(-)	LEFT(-)	DIR (DEG AZ)	DISTANCE (FEET)	RATE/ °/100'	WALK RATE/ °/100'
tie	810	6.33	118.02		808.91	31.80	-24.03	20.83									
1	1009	5.10	109.30	199.00	1006.92	-38.86	-32.11	38.86	0.75	1557.56	-32.11			129.56	50.41	-0.62	-0.44
2	1100	4.40	106.60	91.00	1097.61	-46.02	-34.44	46.03	0.81	1467.05	-34.45			126.81	57.49	-0.77	-0.25
3	1195	2.70	116.10	95.00	1192.42	-51.52	-36.47	51.53	1.89	1372.37	-36.48			125.29	63.13	-1.79	0.62
4	1226	3.00	109.10	31.00	1223.38	-52.94	-37.05	52.95	1.48	1341.45	-37.06			124.98	64.63	0.97	-1.12
5	1322	1.70	111.60	96.00	1319.30	-56.64	-38.40	56.65	1.36	1245.62	-38.41			124.13	68.44	-1.35	0.11
6	1417	1.20	91.40	95.00	1414.27	-58.95	-38.94	58.95	0.74	1150.71	-38.95			123.45	70.65	-0.53	-0.54
7	1512	0.50	101.80	95.00	1509.26	-60.35	-39.05	60.35	0.75	1055.76	-39.06			122.91	71.89	-0.74	0.16
8	1574	0.60	116.90	62.00	1571.26	-60.90	-39.25	60.91	0.28	993.77	-39.27			122.80	72.46	0.16	0.23
9	1670	0.90	94.20	96.00	1667.25	-62.10	-39.54	62.11	0.43	897.81	-39.55			122.48	73.62	0.31	-0.31
10	1765	1.10	110.80	95.00	1762.24	-63.70	-39.92	63.70	0.37	802.87	-39.93			122.07	75.18	0.21	0.30
11	1892	0.80	130.50	127.00	1889.22	-65.51	-40.92	65.52	0.35	675.93	-40.94			121.99	77.25	-0.24	0.26
12	2019	0.90	98.20	127.00	2016.20	-67.17	-41.64	67.18	0.38	548.98	-41.65			121.79	79.04	0.08	-0.37
13	2114	1.50	107.90	95.00	2111.18	-69.09	-42.13	69.10	0.66	454.05	-42.14			121.37	80.93	0.63	0.58
14	2198	1.40	108.50	84.00	2195.16	-71.11	-42.79	71.12	0.12	370.13	-42.81			121.04	83.00	-0.12	0.05
15	2291	1.50	109.00	93.00	2288.13	-73.34	-43.55	73.35	0.11	277.22	-43.56			120.70	85.30	0.11	0.04
16	2376	2.50	29.60	85.00	2373.09	-75.31	-42.30	75.32	3.14	192.31	-42.31			119.32	86.38	1.18	-8.11
17	2471	1.50	1.50	95.00	2468.03	-76.37	-39.26	76.37	1.44	97.39	-39.27			117.20	85.87	-1.05	-2.76
18	2566	1.90	339.50	95.00	2562.99	-75.85	-36.54	75.85	0.80	2.42	-36.55			115.72	84.20	0.42	1.84
19	2662	1.70	336.10	96.00	2658.94	-74.71	-33.75	74.72	0.24	-93.56	-33.76			114.31	81.99	-0.21	-0.30
20	2755	2.20	297.50	93.00	2751.89	-72.57	-31.66	72.58	1.48	-186.57	-31.67			113.57	79.18	0.54	-3.74
21	2883	2.50	291.10	128.00	2879.78	-67.79	-29.52	67.79	0.31	-314.58	-29.53			113.53	73.94	0.23	-0.55
22	2978	2.20	290.10	95.00	2974.70	-64.14	-28.15	64.15	0.32	-409.59	-28.16			113.69	70.05	-0.32	-0.12
23	3072	2.40	289.00	94.00	3068.63	-60.59	-26.89	60.59	0.22	-503.61	-26.90			113.93	66.29	0.21	-0.13
24	3199	2.20	289.50	127.00	3195.53	-55.78	-25.21	55.78	0.16	-630.62	-25.22			114.32	61.21	-0.16	0.04



SURVEY CALCULATION PROGRAM

TARGET DETAILS

OPERATOR: Nadel & Gussman								Supervisors:				TARGET N-S		Directional		
WELL: Taylor Deep 12 Fed								Zane Barbre DD				TARGET E-W				
LOCATION: Artesia								Donald Foster DD				TARGET RADIUS				
JOB NUMBER: WT-12029								Lee MWD				TARGET DISPLACEMENT				
Curr<	Prev<	DIFF	S/Ahead				PROJ	0.0		MWD	TARGET CLOSURE					
		0.0	#DIV/0!			#DIV/0!	Kieth Cannon		Co. Rep	TARGET KBTVD		Horizontal		2563.50		
Slide/Seen		A/BR	BRN		JNT		D/S	0.0		Co. Rep	DIP AZ				269.99	
0.00		#DIV/0!	#DIV/0!		#DIV/0!		#DIV/0!	Patriot #1		Rig	DIP DEG UP+/DN-				1.44	
											TARGET INCLINATION				91.44	
											Magnetic Declination				7.94	
Target #1		MD 2905	TVD 2563.00	Vertical Section 587.00		N-S 0.0	E-W -587.0	Sec/Plane	269.99	TARGET TRACKING TO CENTER		CLOSURE CLOSURE		BUILD	WALK	
SVY NUM	MD	INC	TRUE AZM	COURSE LENGTH	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	DIR (DEG AZ)	DISTANCE (FEET)	RATE/ °/100'	RATE/ °/100'	
25	3324	2.00	288.70	125.00	3320.44	-51.45	-23.71	51.45	0.16	-755.65	-23.72	114.74	56.65	-0.16	-0.06	
26	3450	1.90	289.50	126.00	3446.37	-47.40	-22.31	47.40	0.08	-881.68	-22.31	115.20	52.39	-0.08	0.06	
27	3545	2.10	292.60	95.00	3541.31	-44.31	-21.11	44.31	0.24	-976.70	-21.12	115.48	49.08	0.21	0.31	
28	3640	1.90	293.00	95.00	3636.25	-41.25	-19.83	41.25	0.21	-1071.72	-19.83	115.67	45.77	-0.21	0.04	
29	3735	2.10	295.70	95.00	3731.20	-38.23	-18.46	38.24	0.23	-1166.73	-18.46	115.77	42.46	0.21	0.27	
30	3861	2.00	297.50	126.00	3857.11	-34.20	-16.44	34.21	0.09	-1292.75	-16.45	115.67	37.95	-0.08	0.14	
31	3988	1.90	301.80	127.00	3984.04	-30.45	-14.31	30.45	0.14	-1419.78	-14.31	115.17	33.64	-0.08	0.31	
32	4114	1.90	302.30	126.00	4109.97	-26.91	-12.09	26.91	0.01	-1545.80	-12.10	114.20	29.50	0.00	0.04	
33	4241	1.90	303.10	127.00	4236.90	-23.36	-9.82	23.37	0.02	-1672.81	-9.82	112.79	25.34	0.00	0.06	
34	4369	1.70	298.60	128.00	4364.84	-19.92	-7.75	19.92	0.19	-1800.84	-7.75	111.25	21.38	-0.16	-0.30	
35	4495	1.80	298.90	126.00	4490.78	-16.55	-5.90	16.55	0.08	-1926.86	-5.90	109.62	17.57	0.08	0.02	
36	4622	1.70	298.80	127.00	4617.72	-13.15	-4.03	13.15	0.08	-2053.89	-4.03	107.02	13.75	-0.08	-0.01	
37	4811	2.00	305.90	189.00	4806.62	-8.02	-0.74	8.02	0.20	-2242.92	-0.74	95.28	8.06	0.16	0.33	
38	4874	2.00	304.10	63.00	4869.58	-6.22	0.52	6.22	0.10	-2305.93	0.52	85.23	6.24	0.00	-0.27	
39	5001	1.00	358.80	127.00	4996.54	-4.36	2.87	4.36	1.29	-2432.93	2.87	56.67	5.22	-0.79	2.93	
40	5097	0.50	341.00	96.00	5092.54	-4.21	4.10	4.21	0.57	-2528.93	4.10	45.73	5.88	-0.52	-0.65	
41	5224	0.60	337.20	127.00	5219.53	-3.77	5.24	3.77	0.08	-2655.94	5.24	35.74	6.46	0.08	-0.08	
42	5351	0.70	345.10	127.00	5346.52	-3.32	6.60	3.31	0.11	-2782.94	6.60	26.65	7.39	0.08	0.19	
43	5445	0.90	335.20	94.00	5440.51	-2.86	7.83	2.86	0.26	-2876.94	7.83	20.05	8.33	0.21	-0.40	
44	5541	0.50	102.10	96.00	5536.51	-2.95	8.42	2.95	1.32	-2972.93	8.42	19.30	8.93	-0.42	-3.52	
45	5668	0.70	103.20	127.00	5663.50	-4.25	8.13	4.25	0.16	-3099.90	8.13	27.58	9.17	0.16	0.02	
46	5794	0.40	63.50	126.00	5789.50	-5.39	8.15	5.39	0.37	-3225.86	8.15	33.47	9.77	-0.24	-0.80	
47	5889	0.30	0.70	95.00	5884.49	-5.69	8.55	5.69	0.39	-3320.85	8.55	33.65	10.27	-0.11	-1.04	
48	5978	0.80	323.50	89.00	5973.49	-5.33	9.28	5.32	0.66	-3409.86	9.28	29.84	10.70	0.56	1.06	
49	6074	1.30	325.60	96.00	6069.47	-4.31	10.72	4.31	0.52	-3505.87	10.72	21.90	11.55	0.52	0.11	



SURVEY CALCULATION PROGRAM

TARGET DETAILS

OPERATOR: Nadel & Gussman								Supervisors:				TARGET N-S		Directional				
WELL: Taylor Deep 12 Fed								Zane Barbre DD				TARGET E-W						
LOCATION: Artesia								Donald Foster DD				TARGET RADIUS						
JOB NUMBER: WT-12029								Lee MWD				TARGET DISPLACEMENT						
Curr<		Prev<		DIFF		S/Ahead		PROJ		0.0 MWD		TARGET CLOSURE						
					#DIV/0!			#DIV/0!	Kieth Cannon Co. Rep		TARGET KBTVD Horizontal		2563.50					
Slide/Seen		A/BR		BRN		JNT		D/S		0.0 Co. Rep		DIP AZ		269.99				
0.00		#DIV/0!	#DIV/0!		#DIV/0!			#DIV/0!	Patriot #1 Rig		DIP DEG UP-/DN-		1.44					
												TARGET INCLINATION		91.44				
												Magnetic Declination		7.94				
Target #1		MD 2905	TVD 2563.00	Vertical Section 587.00		N-S 0.0		E-W -587.0		Sec/Plane	269.99	TARGET TRACKING TO CENTER		CLOSURE		CLOSURE	BUILD	WALK
SVY NUM	MD	INC	TRUE AZM	COURSE LENGTH	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	DIR (DEG AZ)	DISTANCE (FEET)	RATE/ °/100'	RATE/ °/100'			
50	6169	1.00	254.60	95.00	6164.46	-2.90	11.39	2.90	1.43	-3600.89	11.39	14.29	11.75	-0.32	-3.80			
51	6218	1.10	272.80	49.00	6213.45	-2.02	11.30	2.02	0.71	-3649.90	11.30	10.14	11.48	0.20	1.83			
52	6328	0.80	344.80	110.00	6323.44	-0.77	12.09	0.76	1.04	-3759.92	12.09	3.61	12.11	-0.27	2.74			
53	6423	0.30	241.60	95.00	6418.44	-0.37	12.61	0.37	0.96	-3854.93	12.61	1.68	12.62	-0.53	-2.45			
54	6518	0.60	242.30	95.00	6513.43	0.29	12.26	-0.29	0.32	-3949.94	12.26	358.65	12.27	0.32	0.02			
55	6614	0.60	308.80	96.00	6609.43	1.12	12.34	-1.13	0.69	-4045.96	12.34	354.79	12.39	0.00	1.85			
56	6740	0.30	200.20	126.00	6735.43	1.75	12.45	-1.75	0.60	-4171.97	12.45	351.98	12.57	-0.24	-1.57			
57	6866	0.90	244.40	126.00	6861.42	2.76	11.71	-2.76	0.57	-4297.99	11.71	346.74	12.03	0.48	0.97			
58	6929	1.00	257.10	63.00	6924.41	3.74	11.37	-3.74	0.37	-4361.00	11.37	341.79	11.97	0.16	0.90			
59	7055	0.30	291.60	126.00	7050.40	5.12	11.25	-5.12	0.61	-4487.03	11.25	335.53	12.36	-0.56	0.83			
60	7150	0.80	338.30	95.00	7145.40	5.59	11.96	-5.60	0.67	-4582.04	11.96	334.92	13.20	0.53	1.24			
61	7244	0.20	108.40	94.00	7239.40	5.68	12.51	-5.68	1.00	-4676.04	12.52	335.58	13.74	-0.64	-2.60			
62	7339	0.30	270.00	95.00	7334.39	5.77	12.46	-5.77	0.52	-4771.04	12.46	335.14	13.74	0.11	1.40			
63	7434	0.40	280.00	95.00	7429.39	6.35	12.52	-6.35	0.12	-4866.05	12.52	333.11	14.04	0.11	0.17			
64	7528	0.80	321.40	94.00	7523.39	7.08	13.09	-7.08	0.60	-4960.07	13.09	331.58	14.88	0.43	1.22			
65	7623	0.40	150.30	95.00	7618.39	7.33	13.32	-7.33	1.26	-5055.07	13.32	331.17	15.20	-0.42	-3.40			
66	7750	0.50	182.40	127.00	7745.38	7.13	12.38	-7.14	0.21	-5182.06	12.38	330.04	14.29	0.08	0.53			
67	7877	0.80	174.80	127.00	7872.37	7.08	10.94	-7.08	0.25	-5309.05	10.95	327.11	13.03	0.24	-0.18			
68	8004	0.30	177.30	127.00	7999.37	6.98	9.73	-6.98	0.39	-5436.04	9.73	324.34	11.98	-0.39	0.05			
69	8131	0.30	200.20	127.00	8126.37	7.08	9.09	-7.08	0.09	-5563.04	9.09	322.07	11.52	0.00	0.25			
70	8258	0.40	171.10	127.00	8253.36	7.13	8.34	-7.13	0.16	-5690.04	8.34	319.47	10.97	0.08	-0.37			
71	8384	0.90	171.50	126.00	8379.35	6.91	6.92	-6.91	0.40	-5816.03	6.92	315.04	9.78	0.40	0.01			
72	8512	0.30	134.50	128.00	8507.35	6.52	5.69	-6.53	0.53	-5944.01	5.69	311.10	8.66	-0.47	-0.80			
BIT	8590	0.30	134.50	78.00	8585.35	6.23	5.41	-6.23	0.00	-6022.00	5.41	310.93	8.25	0.00	0.00			