

OPERATOR'S COPY

Form 3160-4
(April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other _____						5. Lease Serial No. NM-28641	
2. Name of Operator Nadel and Gussman Permian, L.L.C.						6. If Indian, Allottee or Tribe Name	
3. Address 601 N. Marlenfeld, Suite 508, Midland, TX 79701						7. Unit or CA Agreement Name and No. 33572	
3a. Phone No. (include area code) 432/682-4429						8. Lease Name and Well No. Big Apple Federal #1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 68S' FSL & 2140' FEL At top prod. interval reported below At total depth 660' FSL & 1600' FWL						9. AFI Well No. 30-015-33304 SI	
10. Field and Pool, or Exploratory Carlsbad; Morrow South						11. Sec., T., R., M., on Block and Survey or Area Sec. 5-T24S-R26E	
12. County or Parish Eddy						13. State NM	
14. Date Spudded 04/03/2004						15. Date T.D. Reached 05/29/2004	
16. Date Completed 08/29/2004 ☐ D & A ☒ Ready to Prod.						17. Elevations (DF, RKB, RT, GL)* 3505' KB	
18. Total Depth: MD 12,388' TVD 11,997'						19. Plug Back T.D.: MD 11,670' TVD 11,997'	
20. Depth Bridge Plug Set: MD 11,750' TVD 11,542'						21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DLL, DNL	
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)						RECEIVED SEP 22 2004 OPERATIONS	

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8"	48#	0	508'	None	435 sxs	522	Circ. 120 sxs	
12-1/4"	9-5/8"	40#	0	2,020'	None	780 sxs	936	Circ. 780 sxs	
7-7/8"	5-1/2"	17#		12,388'	7487'	2760 sxs	3036	Circ. 425 sx	

24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	11,547'	11,550'							

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	11,150'	12,300'		11,614'-11,618'	.41	48	Open
B)				11,810'-11,830'	.41	120	Plugged off
C)				11,876'-11,886'	.41	60	Plugged off
D)				12,020'-12,032'	.41	72	Plugged off

27. Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval	Amount and Type of Material
11,614'-11,618'	53,382 gal 2% KCL, 141 tons CO2, 31,440# 20/40 interprop
11,810'-11,830'	2000 gals 7.5% HCL
11,876'-11,886'	2000 gals 7.5% HCL
12,020'-12,032'	not treated

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/28/2004	09/09/2004	24	→	0	1237	2		.65	Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
14/64	SI 950	0	→					Flowing	

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

SEP 15 2004

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
	9,070'	10,750'	Limestone, Shale	Delaware	2,520'
	10,750'	10,860'	Limestone, Shale, Sandstone	Bone Spring	5,500'
	10,860'	11,600'	Limestone, Shale	Wolfcamp	8,992'
	11,600'	12,200'	Limestone, Shale, Sandstone	Wolfcamp Lime	9,490'
	12,200'	12,350'	Limestone, Shale	Canyon	10,120'
				Strawn	10,350'
				Atoka	10,570'
				Morrow Lime	11,150'
				Morrow Clastics	11,443'
				Lower Morrow	11,762'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

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

Name (please print) Kem McCready

Title Operations Engineer

Signature

Kem McCready

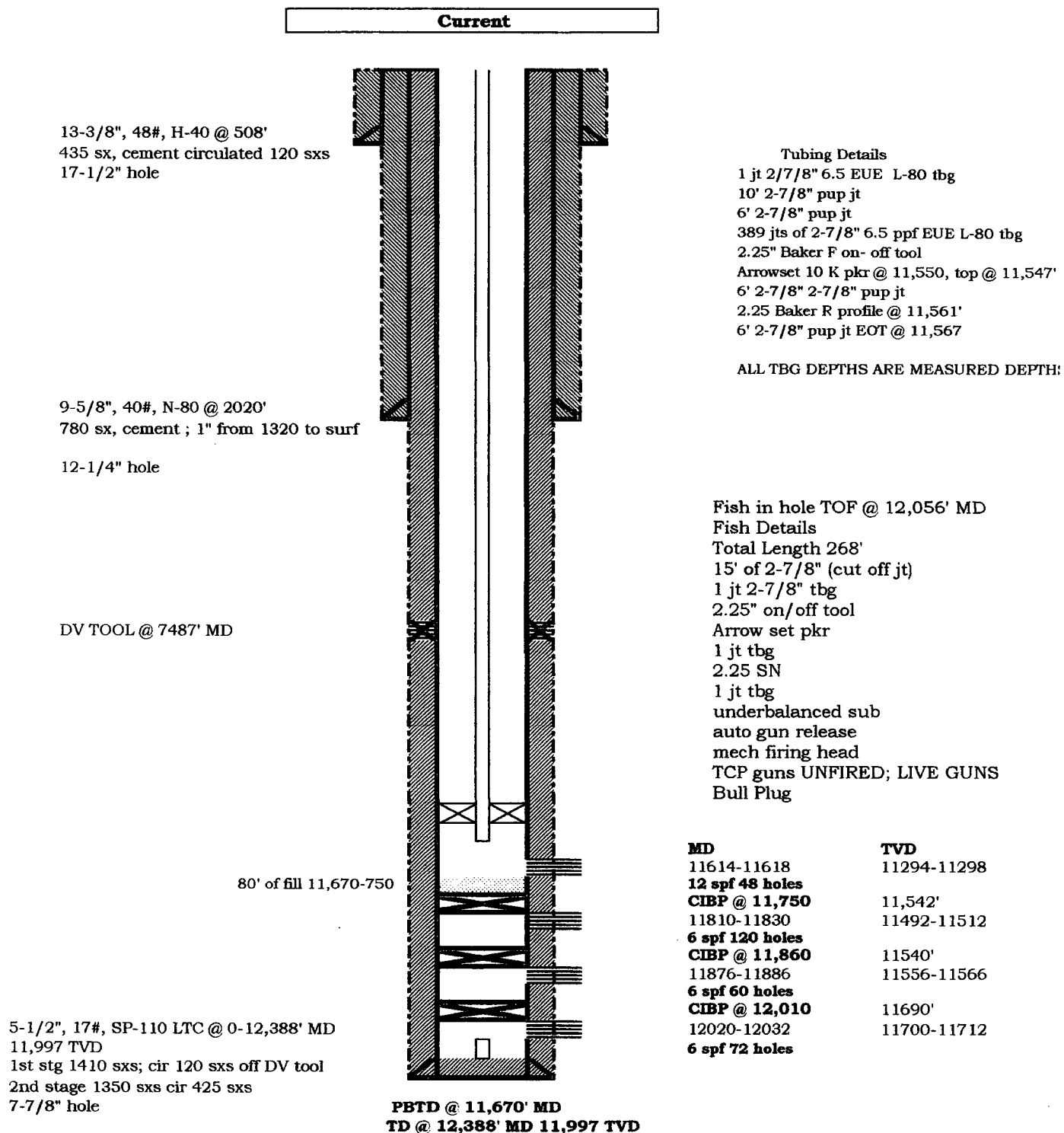
Date

9/13/04

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.

Big Apple Federal #1
SHL 660' FSL, 660' FWL BHL 660 FSL 1600 FWL Sec 5, 24S, 28E, Eddy County, NM
API # 30 - 015 - 33304-0

Elev: 3505', KB: 26.5 AGL'



JUL 06 2004



Ryan The leader in
UNDERGROUND INTELLIGENCE™

19510 Oil Center Blvd
Houston, TX 77073
Bus 281.443.1414
Fax 281.443.1676

06/24/04

New Mexico Energy, Mineral &
Natural Resources Department
District No. 2
1301 W. Grand Avenue
Artesia, New Mexico 88210

Attention: Bryan Arrant:

Re: **Nadel & Gussman**
Big Apple Federal No. 1
Eddie County, New Mexico

Enclosed, please find the original and one copy of the survey performed on the above-referenced well by Ryan Energy Technologies U.S.A., Inc. (Operator No. 740022). Other information required by your office is as follows:

Name & Title of Surveyor	Drainhole Number	Start Depth	End Depth	Start Date	End Date	Type of Survey
Silas Poteet Directional Driller	Original Hole	200'	4685'	04/24/04	04/24/04	Gyro Multishot
Silas Poteet Directional Driller	Original Hole	4782'	12279'	04/25/04	05/24/04	MWD Survey

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required please contact the undersigned at the letterhead address or phone number.

Troy L. Stoute
Technical Support Coordinator – Houston

Enclosures
cc: **Nadel & Gussman**

State of New Mexico
Eddie County, New Mexico

I, **Silas Poteet**, certify that; I am employed by Ryan Energy Technologies USA, Inc.; that I did on the day(s) of **04/24/04** thru **04/24/04** conduct or supervise the taking of **Gyro Multishot surveys** from a depth of **200' MD** to a depth of **4685' MD**; on the day(s) of **04/25/04** thru **05/24/04** conduct or supervise the taking of **MWD Surveys** from a depth of **4782' MD** to a depth of **12279' MD**; that the data is true, correct, complete, and within the limitations of the tool as set forth by Ryan Energy Technologies USA, Inc.; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Nadel & Gussman** for the **Big Apple Federal No. 1**; Well No. 1 in **Eddie County, New Mexico** and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Ryan Energy Technologies USA, Inc.



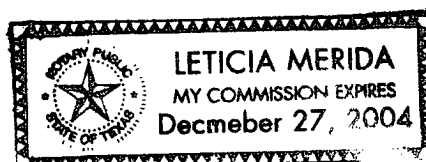
Silas Poteet
Directional Driller
Ryan Energy Technologies U.S.A., Inc.

STATE OF TEXAS
COUNTY OF HARRIS

SWORN AND SUBSCRIBED TO AND BEFORE ME, the undersigned Notary
Public, by Silas Poteet, on this 6th day of June 2004.



Leticia Merida
Notary Public in and for the
State of Texas
Commission Expires: 12/27/04



Ryan Energy Technologies Inc.

COMPLETION REPORT



Company: NADEL & GUSSMAN Field: EDDY COUNTY, NM Site: Big Apple Federal Well: Well No. 1 Wellpath: Original Hole			Date: 6/8/2004 Co-ordinate(NE) Reference: Site: Big Apple Federal, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,266.35Azi) Survey Calculation Method: Minimum Curvature			Time: 14:23:43 Page: 1 Db: Sybase		
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Field: EDDY COUNTY, NM		
Map System: US State Plane Coordinate System 1927 Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level		Map Zone: New Mexico, Eastern Zone Coordinate System: Site Centre Geomagnetic Model: igrf2000

Site: Big Apple Federal		
Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 0.00 ft	Northing: 451435.90 ft Easting: 506158.70 ft	Latitude: 32 14 28.006 N Longitude: 104 18 48.290 W North Reference: Grid Grid Convergence: 0.01 deg

Well: Well No. 1			Slot Name:		
Well Position: +N/-S 0.00 ft Position Uncertainty: 0.00 ft	Northing: 451435.90 ft Easting: 506158.70 ft	Latitude: 32 14 28.006 N Longitude: 104 18 48.290 W			

Wellpath: Original Hole			Drilled From: Surface		
Current Datum: SITE Magnetic Data: 4/5/2004 Field Strength: 49422 nT Vertical Section: Depth From (TVD) ft	Height: 0.00 ft +N/-S: ft	Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.95 deg Mag Dip Angle: 60.31 deg +E/-W: ft Direction: deg			
0.00	0.00	266.35			

Survey Program for Definitive Wellpath			Version: 2		
Date: 5/25/2004 Validated: No Actual From: ft To: ft Survey			Toolcode Tool Name		
200.00	4685.00	Survey #1	Gyro-MS	Gyro Multishot	
4782.00	12279.00	Survey #2	Ryan MWD	MWD Survey	
12350.00	12350.00	Survey #3	Project	Projection	

Survey										
MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	Clsr Dist. ft	Clsr Azi. deg	Dog Leg deg/100ft	Tool
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
200.00	0.45	200.00	0.43	209.18	-0.69	-0.38	0.79	209.18	0.22	Gyro-MS
400.00	0.27	399.99	1.19	221.43	-1.72	-1.08	2.03	212.00	0.10	Gyro-MS
600.00	0.62	599.99	2.59	276.24	-1.96	-2.47	3.15	231.51	0.26	Gyro-MS
800.00	0.60	799.98	4.63	287.35	-1.53	-4.54	4.79	251.37	0.06	Gyro-MS
1000.00	0.31	999.97	5.77	338.86	-0.71	-5.74	5.78	262.91	0.24	Gyro-MS
1200.00	1.12	1199.96	4.10	66.03	0.59	-4.14	4.19	278.04	0.57	Gyro-MS
1300.00	1.65	1299.93	1.76	77.86	1.28	-1.84	2.25	304.88	0.60	Gyro-MS
1400.00	1.90	1399.88	-1.32	87.85	1.65	1.22	2.05	36.49	0.40	Gyro-MS
1500.00	1.99	1499.83	-4.50	57.55	2.64	4.34	5.08	58.67	1.02	Gyro-MS
1600.00	3.64	1599.70	-8.88	60.27	5.15	8.56	9.99	58.98	1.65	Gyro-MS
1700.00	5.56	1699.37	-16.23	64.86	8.78	15.71	18.00	60.79	1.95	Gyro-MS
1800.00	5.82	1798.88	-25.49	65.66	12.93	24.71	27.89	62.38	0.27	Gyro-MS
1900.00	5.58	1898.39	-34.85	68.33	16.82	33.85	37.80	63.58	0.36	Gyro-MS
2000.00	5.12	1997.95	-43.73	68.59	20.24	42.52	47.09	64.55	0.46	Gyro-MS
2100.00	4.20	2097.62	-51.45	68.04	23.24	50.07	55.20	65.11	0.92	Gyro-MS
2200.00	3.86	2197.37	-57.98	61.56	26.21	56.43	62.22	65.09	0.57	Gyro-MS
2300.00	3.77	2297.15	-64.10	64.90	29.21	62.37	68.87	64.91	0.24	Gyro-MS
2400.00	3.37	2396.96	-69.87	63.65	31.91	67.98	75.09	64.86	0.41	Gyro-MS
2600.00	2.04	2596.73	-78.52	61.30	36.23	76.37	84.52	64.62	0.67	Gyro-MS
2800.00	1.62	2796.63	-84.04	50.58	39.73	81.67	90.82	64.06	0.27	Gyro-MS

Ryan Energy Technologies Inc.

COMPLETION REPORT



Company: NADEL & GUSSMAN Field: EDDY COUNTY, NM Site: Big Apple Federal Well: Well No. 1 Wellpath: Original Hole	Date: 6/8/2004 Co-ordinate(N/E) Reference: Site: Big Apple Federal, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,266.35Azi) Survey Calculation Method: Minimum Curvature
	Page: 2 Db: Sybase

Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	Clsr Dist. ft	Clsr Azi. deg	Dog Leg deg/100ft	Tool
3000.00	1.41	2996.56	-88.26	47.91	43.17	85.68	95.95	63.26	0.11	Gyro-MS
3200.00	1.22	3196.51	-91.33	28.90	46.69	88.54	100.09	62.20	0.24	Gyro-MS
3400.00	1.09	3396.47	-93.88	43.72	49.93	90.88	103.69	61.22	0.16	Gyro-MS
3600.00	1.18	3596.43	-96.94	50.15	52.62	93.78	107.53	60.70	0.08	Gyro-MS
3800.00	1.16	3796.39	-100.27	51.89	55.19	96.95	111.56	60.35	0.02	Gyro-MS
4000.00	0.92	3996.35	-103.41	62.68	57.18	99.97	115.17	60.23	0.15	Gyro-MS
4200.00	0.91	4196.33	-106.30	59.57	58.72	102.77	118.36	60.26	0.03	Gyro-MS
4400.00	0.88	4396.30	-109.08	58.84	60.32	105.45	121.48	60.23	0.02	Gyro-MS
4600.00	0.87	4596.28	-111.89	69.00	61.66	108.18	124.52	60.32	0.08	Gyro-MS
4685.00	0.59	4681.27	-112.93	74.07	62.01	109.21	125.58	60.41	0.34	Gyro-MS
4782.00	0.70	4778.27	-114.01	80.30	62.24	110.27	126.62	60.56	0.13	Ryan MWD
4971.00	0.50	4967.26	-115.97	96.70	62.34	112.23	128.38	60.95	0.14	Ryan MWD
5158.00	0.30	5154.25	-117.20	115.10	62.04	113.48	129.33	61.33	0.13	Ryan MWD
5346.00	0.30	5342.25	-117.70	169.10	61.35	114.02	129.48	61.72	0.14	Ryan MWD
5459.00	0.30	5455.25	-117.97	121.80	60.90	114.33	129.54	61.96	0.21	Ryan MWD
5552.00	2.00	5548.23	-116.56	273.50	60.87	112.91	128.28	61.67	2.44	Ryan MWD
5647.00	4.40	5643.08	-111.28	269.60	60.95	107.61	123.67	60.47	2.54	Ryan MWD
5740.00	6.20	5735.67	-102.69	265.80	60.55	99.04	116.08	58.56	1.97	Ryan MWD
5835.00	8.10	5829.93	-90.87	265.20	59.62	87.25	105.68	55.66	2.00	Ryan MWD
5929.00	10.20	5922.73	-75.96	261.50	57.83	72.42	92.68	51.39	2.32	Ryan MWD
6023.00	12.70	6014.86	-57.46	257.00	54.28	54.12	76.65	44.91	2.82	Ryan MWD
6148.00	13.60	6136.58	-29.39	257.30	47.96	26.39	54.74	28.82	0.72	Ryan MWD
6242.00	14.30	6227.80	-6.97	258.90	43.29	4.22	43.50	5.56	0.85	Ryan MWD
6336.00	16.60	6318.40	17.90	260.30	38.79	-20.41	43.84	332.25	2.48	Ryan MWD
6430.00	20.30	6407.55	47.52	261.70	34.18	-49.79	60.39	304.46	3.96	Ryan MWD
6524.00	21.80	6495.28	81.14	260.70	29.00	-83.16	88.07	289.23	1.64	Ryan MWD
6618.00	22.50	6582.34	116.37	259.60	22.93	-118.07	120.28	280.99	0.87	Ryan MWD
6708.00	21.70	6665.73	149.97	258.90	16.62	-151.34	152.25	276.27	0.94	Ryan MWD
6800.00	22.10	6751.09	184.05	260.30	10.43	-185.09	185.38	273.23	0.71	Ryan MWD
6893.00	23.00	6836.98	219.52	260.50	4.49	-220.25	220.30	271.17	0.97	Ryan MWD
6986.00	22.60	6922.71	255.38	260.80	-1.37	-255.81	255.82	269.69	0.45	Ryan MWD
7080.00	24.10	7009.01	292.46	260.70	-7.36	-292.58	292.68	268.56	1.60	Ryan MWD
7175.00	24.60	7095.56	331.44	260.80	-13.66	-331.24	331.52	267.64	0.53	Ryan MWD
7269.00	26.90	7180.22	371.98	258.40	-21.06	-371.39	371.99	266.75	2.69	Ryan MWD
7363.00	25.20	7264.67	412.88	258.70	-29.26	-411.85	412.89	265.94	1.81	Ryan MWD
7458.00	25.30	7350.59	453.13	260.80	-36.47	-451.72	453.19	265.38	0.95	Ryan MWD
7553.00	24.50	7436.77	493.00	263.10	-42.08	-491.32	493.12	265.10	1.32	Ryan MWD
7648.00	23.00	7523.72	531.21	263.80	-46.45	-529.33	531.36	264.98	1.61	Ryan MWD
7744.00	22.60	7612.22	568.37	263.60	-50.53	-566.30	568.55	264.90	0.42	Ryan MWD
7839.00	22.50	7699.95	604.75	262.80	-54.85	-602.48	604.97	264.80	0.34	Ryan MWD
7934.00	25.10	7786.87	643.01	263.10	-59.55	-640.52	643.28	264.69	2.74	Ryan MWD
8029.00	27.80	7871.92	685.29	264.90	-63.94	-682.60	685.59	264.65	2.96	Ryan MWD
8125.00	26.00	7957.53	728.71	267.30	-66.92	-725.92	729.00	264.73	2.19	Ryan MWD
8220.00	27.00	8042.55	771.09	266.30	-69.29	-768.24	771.36	264.85	1.15	Ryan MWD
8315.00	26.60	8127.34	813.93	266.60	-71.94	-810.99	814.18	264.93	0.44	Ryan MWD
8410.00	25.80	8212.58	855.86	267.70	-74.03	-852.88	856.09	265.04	0.99	Ryan MWD
8506.00	28.70	8297.92	899.81	267.20	-76.00	-896.79	900.00	265.16	3.03	Ryan MWD
8601.00	29.90	8380.76	946.28	268.70	-77.65	-943.25	946.44	265.29	1.48	Ryan MWD
8696.00	29.00	8463.49	992.95	268.20	-78.91	-989.94	993.08	265.44	0.98	Ryan MWD
8792.00	27.90	8547.89	1038.66	268.40	-80.27	-1035.65	1038.75	265.57	1.15	Ryan MWD
8888.00	25.10	8633.80	1081.47	265.20	-82.60	-1078.40	1081.56	265.62	3.27	Ryan MWD
8984.00	22.30	8721.70	1120.05	265.40	-85.77	-1116.85	1120.14	265.61	2.92	Ryan MWD
9081.00	19.50	8812.31	1154.63	269.30	-87.44	-1151.40	1154.71	265.66	3.22	Ryan MWD

Ryan Energy Technologies Inc.

COMPLETION REPORT



Company: NADEL & GUSSMAN Field: EDDY COUNTY, NM Site: Big Apple Federal Well: Well No. 1 Wellpath: Original Hole	Date: 6/8/2004 Co-ordinate(NE) Reference: Site: Big Apple Federal, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,266.35Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	Clsr Dist. ft	Clsr Azi. deg	Dog Leg deg/100ft	Tool
9176.00	18.30	8902.19	1185.38	266.30	-88.60	-1182.14	1185.45	265.71	1.63	Ryan MWD
9271.00	17.30	8992.64	1214.41	268.60	-89.90	-1211.14	1214.47	265.75	1.29	Ryan MWD
9367.00	16.70	9084.45	1242.43	270.30	-90.18	-1239.20	1242.48	265.84	0.81	Ryan MWD
9462.00	16.80	9175.42	1269.70	272.60	-89.49	-1266.57	1269.73	265.96	0.71	Ryan MWD
9557.00	16.30	9266.48	1296.57	273.70	-88.00	-1293.59	1296.58	266.11	0.62	Ryan MWD
9652.00	16.40	9357.64	1323.15	271.20	-86.86	-1320.30	1323.15	266.24	0.75	Ryan MWD
9747.00	16.70	9448.71	1350.16	267.90	-87.08	-1347.35	1350.16	266.30	1.04	Ryan MWD
9843.00	16.30	9540.76	1377.42	264.90	-88.78	-1374.55	1377.42	266.30	0.98	Ryan MWD
9938.00	15.30	9632.16	1403.27	263.80	-91.32	-1400.29	1403.27	266.27	1.10	Ryan MWD
10033.00	14.00	9724.07	1427.27	264.00	-93.88	-1424.18	1427.27	266.23	1.37	Ryan MWD
10129.00	12.90	9817.44	1449.59	265.80	-95.88	-1446.42	1449.59	266.21	1.23	Ryan MWD
10225.00	11.20	9911.32	1469.63	264.50	-97.56	-1466.39	1469.63	266.19	1.79	Ryan MWD
10321.00	9.40	10005.77	1486.78	265.00	-99.13	-1483.48	1486.79	266.18	1.88	Ryan MWD
10416.00	8.80	10099.57	1501.81	266.10	-100.30	-1498.46	1501.81	266.17	0.66	Ryan MWD
10512.00	8.20	10194.52	1515.99	264.90	-101.41	-1512.60	1516.00	266.16	0.65	Ryan MWD
10608.00	6.40	10289.74	1528.18	264.00	-102.58	-1524.75	1528.19	266.15	1.88	Ryan MWD
10703.00	4.60	10384.30	1537.19	253.30	-104.23	-1533.66	1537.20	266.11	2.17	Ryan MWD
10799.00	3.50	10480.06	1543.79	252.90	-106.20	-1540.15	1543.81	266.06	1.15	Ryan MWD
10895.00	0.90	10575.98	1547.39	267.20	-107.09	-1543.70	1547.41	266.03	2.75	Ryan MWD
10990.00	0.10	10670.98	1548.09	143.60	-107.20	-1544.40	1548.12	266.03	1.01	Ryan MWD
11086.00	0.40	10766.98	1548.06	353.50	-106.93	-1544.39	1548.09	266.04	0.51	Ryan MWD
11182.00	1.60	10862.96	1547.15	40.00	-105.57	-1543.56	1547.17	266.09	1.41	Ryan MWD
11278.00	1.70	10958.92	1545.16	45.20	-103.54	-1541.69	1545.17	266.16	0.19	Ryan MWD
11448.00	1.40	11128.86	1541.42	58.90	-100.69	-1538.13	1541.42	266.25	0.28	Ryan MWD
11544.00	1.50	11224.83	1539.51	40.00	-99.12	-1536.31	1539.51	266.31	0.51	Ryan MWD
11640.00	1.70	11320.79	1537.83	31.10	-96.94	-1534.77	1537.83	266.39	0.33	Ryan MWD
11672.00	1.70	11352.78	1537.25	36.90	-96.16	-1534.24	1537.25	266.41	0.54	Ryan MWD
11704.00	1.90	11384.76	1536.61	34.40	-95.34	-1533.66	1536.62	266.44	0.67	Ryan MWD
11736.00	1.70	11416.74	1536.00	32.80	-94.50	-1533.10	1536.01	266.47	0.64	Ryan MWD
11768.00	1.80	11448.73	1535.43	32.50	-93.68	-1532.57	1535.43	266.50	0.31	Ryan MWD
11800.00	1.80	11480.71	1534.86	29.50	-92.82	-1532.05	1534.86	266.53	0.29	Ryan MWD
11831.00	1.60	11511.70	1534.34	32.10	-92.03	-1531.58	1534.35	266.56	0.69	Ryan MWD
11863.00	1.80	11543.69	1533.74	38.70	-91.26	-1531.03	1533.75	266.59	0.87	Ryan MWD
11895.00	1.60	11575.67	1533.14	32.30	-90.49	-1530.48	1533.15	266.62	0.86	Ryan MWD
11958.00	2.20	11638.64	1531.82	37.80	-88.79	-1529.27	1531.84	266.68	0.99	Ryan MWD
12024.00	2.70	11704.58	1530.03	33.90	-86.50	-1527.63	1530.07	266.76	0.80	Ryan MWD
12088.00	1.90	11768.53	1528.56	27.60	-84.31	-1526.29	1528.62	266.84	1.31	Ryan MWD
12120.00	1.60	11800.51	1528.15	14.60	-83.40	-1525.93	1528.21	266.87	1.55	Ryan MWD
12184.00	1.26	11864.49	1527.74	6.80	-81.84	-1525.63	1527.82	266.93	0.61	Ryan MWD
12216.00	1.00	11896.48	1527.66	359.60	-81.21	-1525.59	1527.75	266.95	0.92	Ryan MWD
12279.00	0.90	11959.48	1527.62	358.00	-80.17	-1525.61	1527.71	266.99	0.16	Ryan MWD
12350.00	0.90	12030.47	1527.58	358.00	-79.05	-1525.65	1527.69	267.03	0.00	Project

DISTRICT I

P.O. Box 2088, Santa Fe, NM 87504-2088

DISTRICT II

P.O. Box 2088, Santa Fe, NM 87504-2088

DISTRICT III

2000 Rio Grande Blvd., Santa Fe, NM 87505

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Geology, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102

Revised February 18, 1994

Submit to: Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name BIG APPLE FEDERAL	Well Number 1
OCRD No.	Operator Name NADEL & GUSSMAN	Elevation 3505'

Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
7	5	24-S	26-E		685	SOUTH	2140	EAST	EDDY

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
N	5	24-S	26-E		660	SOUTH	1600	WEST	EDDY

Dedicated Acres	Initial or Borehole	Commodity/Production Code	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

LOT 4	LOT 3	LOT 2	LOT 1
RECEIVED SEP 2-2-2004 OOB-ARTESIA			
Big Apple Federal No. 1 BHL 12350' MD 12030.47' TVD S: 79.05' W: 1525.65' Csr Dist: 1527.69 @ 267.03 Azm			
GEODETIC COORDINATES MAG 27 NME BHL LOC. Y = 451338.4 N X = 504645.9 E SURFACE LOC. Y = 451435.9 N X = 506158.7 E LAT. 32°14'28.01"N LONG. 104°18'48.29"W			
38.55 AC. LOT 7 3505.1' 38.13 AC. LOT 8 3484.4'			
38.40 AC. 3515.1' 37.86 AC. 3496.5'			

OPERATOR CERTIFICATION

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

Josh Fernau
 Signature

Josh Fernau
 Printed Name
Staff Engineer

THIS
02/06/04

Date

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 20, 2004

Date Surveyed and REV: 2/06/04

Signature of G. ELDSON

Professional Engineer

NEW MEXICO

02/06/04

04-110042

CERTIFICATE NO. 047-000000

18041