

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION
Drawer DD
Artesia, NM 88210

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

SANTA FE ENERGY OPERATING PARTNERS, L.P.

3. Address and Telephone No.

P. O. Box 2327 Carlsbad, New Mexico 88221-2327 (505)887-0821

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

7-245-31E 610'FNL & 760'FEL
~~660 FNL & 660 FEL~~

5. Lease Designation and Serial No.

NM 57273

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Palladium 7 Federal

9. API Well No.

#1

10. Field and Pool, or Exploratory Area

Sand Dunes West Delaware

11. County or Parish, State

Eddy, N.M.

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☒ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Produces from Delaware formation
2. Water production is 50 bbl/day.
3. Water analysis is attached
4. Water is to be stored in 500 bbl fiberglass tank on lease.
5. Water is to be trucked by Rapid Transport of Jal, N.M. to primary disposal at SW Royalties SWD Cities, Fed #1-#RF504, Unit Letter L, Sec 20 T22S R36E, Lea County, N.M.
6. We respectfully request an alternate disposal, Big Eddy Fed #100, SE,SW, Sec 8 T21S R28E in Eddy County, N.M.
7. Original and 5 copies to BLM, Carlsbad, and BLM, Hobbs, N.M.

14. I hereby certify that the foregoing is true and correct

Signed R.L. "Pete" Stull

Title Area Superintendent

Date May 5, 1994

(This space for Federal or State office use)

(ORIG. SGD.) JOE G. LARA

Title PETROLEUM ENGINEER

Date 5/16/94

Approved by _____
Conditions of approval, if any:

see attached

**Laboratory Services, Inc.**

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Santa Fe Energy
Attention: Mr. R. Hannigan
P. O. Box 2327
Carlsbad, New Mexico 88220

SAMPLE
IDENTIFICATION: Palladium 7 #1
COMPANY: Santa Fe Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SA. 04-22-94
ANALYSIS DATE: 04-22-94
PRESSURE - PSIG 50.00
SAMPLE TEMP. °F 60.00
ATMOS. TEMP. °F 65.00
REMARKS: H2S = 0
SAMPLED BY: Bobby Towler-Omega
ANALYSIS BY: Vickie Walker

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide	(H2S)	0.00	
Nitrogen	(N2)	1.82	
Carbon Dioxide	(CO2)	0.14	
Methane	(C1)	60.01	
Ethane	(C2)	18.05	4.818
Propane	(C3)	12.54	3.446
I-Butane	(IC4)	1.37	0.447
N-Butane	(NC4)	3.29	1.034
I-Pentane	(IC5)	0.76	0.276
N-Pentane	(NC5)	0.78	0.281
Hexane Plus	(C6)	1.24	0.509
		100.00	10.811
BTU/CU.FT. - DRY		1513	MOLECULAR WT. 26.0377
AT 14.650 DRY		1509	
AT 14.650 WET		1482	26# GASOLINE - 1.411
AT 15.025 DRY		1547	
AT 15.025 WET		1520	
AT 14.73 WET			
SPECIFIC GRAVITY -			
CALCULATED		0.899	
MEASURED			

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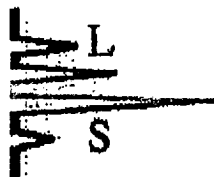
WATER ANALYSISCOMPANY Santa Fe EnergySAMPLE Palladium 7 #1SAMPLED BY Bobby Fowler-Omega Production ServicesDATE TAKEN 04-22-94

REMARKS

Barium as Ba	5.00	
Carbonate alkalinity PPM	0.00	
Bicarbonate alkalinity PPM	72.00	
pH at Lab	6.21	
Specific Gravity @ 60° F	1.162	
Magnesium as Mg	35,206	
Total Hardness as CaCO ₃	60,700	
Chlorides as Cl	158,850	
Sulfate as SO ₄	0.00	
Iron as Fe	64.00	
Potassium	33.13	
Hydrogen Sulfide	0.00	
Resistivity Ohms	0.0520	22.9° C
Total Dissolved Solids	218,750	
Carbonate as CO ₃ Gm/L	7.56	
Calcium as Ca	25,494	
Nitrate	13.20	

Results reported as Parts per Million unless stated

Langelier Saturation Index +0.43Analysis by Rolland PerryDate: 04-22-94

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ASTM DistillationSante Fe Energy
Attention: Mr. R. Hannigan
P. O. Box 2327
Carlsbad, New Mexico 8822024-Apr-94
Sampled: 4/22/94

Palladium 7 #1

Percent Distilled Temperature

IBP	94
5	112
10	188
20	257
30	330
40	417
50	503
60	592
70	662
80	672
90	680
95	686
97	701

% Recovered = 97.0
% Residue = 2.0
% Loss = 1.

API Gravity @ 60° F = 43.60

Rolland Perry

BUREAU OF LAND MANAGEMENT
CARLSBAD RESOURCE AREA

Disposal of Produced Water From Federal Wells

Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore Oil and Gas Order No. 7.
3. This agency shall be notified of any spill or discharge as required by NTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
6. Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.