

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

Form 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

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 ☐ Other

RECEIVED

2. Name of Operator

Patterson Petroleum LP

JAN 16 2004

3a. Address

P.O. Drawer 1416
Snyder, TX 79550

3b. Phone No. (include area code)

325/573-1938

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

840' FNL & 1830' FWL, Sec. 3, T215, R27E, Lot. 6

5. Lease Serial No.

NMNM-109754

6. If Indian, Allottee or Tribe Name

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

33048

8. Well Name and No.

Miller Federal No. 2

9. API Well No.

30-015-33060

10. Field and Pool, or Exploratory Area

Burton Flat - Morrow

11. County or Parish, State

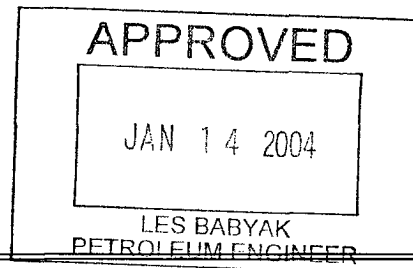
Eddy County, NM

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 _____
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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.)

After intermediate casing to 9-5/8" 40#/ft set @2780' and cement with 1000 sx.
Drill 8-3/4" hole to TD @12,500'.
Change directional plan to kick off @8200'. See attached.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Nolan von Roeder

Title

Engineer

Signature

Date

01/08/04

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 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.

(Instructions on reverse)



Scientific Drilling Planning Report

Company: Patterson Petroleum LP
Field: Miller Fed
Site: Eddy County, NM
Well: Miller Fed #2
Wellpath: 1

Date: 1/8/2004 Time: 11:27:41
Co-ordinate(NE) Reference: Well Miller Fed #2, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,135.00Az)
Plan: Plan #1

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Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
8200.00	0.00	0.00	8200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 2 : Start Build 2.25

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
8300.00	2.25	135.00	8299.97	-1.39	1.39	1.96	2.25	2.25	0.00	0.00
8400.00	4.50	135.00	8399.79	-5.55	5.55	7.85	2.25	2.25	0.00	0.00
8500.00	6.75	135.00	8499.31	-12.48	12.48	17.65	2.25	2.25	0.00	0.00
8600.00	9.00	135.00	8598.36	-22.17	22.17	31.35	2.25	2.25	0.00	0.00
8620.37	9.46	135.00	8618.46	-24.48	24.48	34.62	2.25	2.25	0.00	0.00

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
8700.00	9.46	135.00	8697.01	-33.73	33.73	47.70	0.00	0.00	0.00	0.00
8800.00	9.46	135.00	8795.65	-45.35	45.35	64.14	0.00	0.00	0.00	0.00
8900.00	9.46	135.00	8894.29	-56.97	56.97	80.57	0.00	0.00	0.00	0.00
9000.00	9.46	135.00	8992.93	-68.59	68.59	97.00	0.00	0.00	0.00	0.00
9100.00	9.46	135.00	9091.57	-80.21	80.21	113.44	0.00	0.00	0.00	0.00
9200.00	9.46	135.00	9190.21	-91.83	91.83	129.87	0.00	0.00	0.00	0.00
9300.00	9.46	135.00	9288.85	-103.45	103.45	146.30	0.00	0.00	0.00	0.00
9384.60	9.46	135.00	9372.31	-113.28	113.28	160.20	0.00	0.00	0.00	0.00

Section 4 : Start Drop -1.50

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
9400.00	9.23	135.00	9387.50	-115.05	115.05	162.70	1.50	-1.50	0.00	180.00
9500.00	7.73	135.00	9486.40	-125.47	125.47	177.45	1.50	-1.50	0.00	180.00
9600.00	6.23	135.00	9585.66	-134.06	134.06	189.59	1.50	-1.50	0.00	180.00
9700.00	4.73	135.00	9685.20	-140.81	140.81	199.14	1.50	-1.50	0.00	180.00
9800.00	3.23	135.00	9784.96	-145.72	145.72	206.07	1.50	-1.50	0.00	180.00
9900.00	1.73	135.00	9884.86	-148.77	148.77	210.40	1.50	-1.50	0.00	180.00
10000.00	0.23	135.00	9984.84	-149.98	149.98	212.10	1.50	-1.50	0.00	180.00
10015.16	0.00	0.00	10000.00	-150.00	150.00	212.13	1.50	-1.50	0.00	-180.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
10100.00	0.00	0.00	10084.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
10200.00	0.00	0.00	10184.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
10300.00	0.00	0.00	10284.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
10400.00	0.00	0.00	10384.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
10500.00	0.00	0.00	10484.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
10600.00	0.00	0.00	10584.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
10700.00	0.00	0.00	10684.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
10800.00	0.00	0.00	10784.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
10900.00	0.00	0.00	10884.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
11000.00	0.00	0.00	10984.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
11100.00	0.00	0.00	11084.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
11200.00	0.00	0.00	11184.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
11300.00	0.00	0.00	11284.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
11400.00	0.00	0.00	11384.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
11500.00	0.00	0.00	11484.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
11600.00	0.00	0.00	11584.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
11700.00	0.00	0.00	11684.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
11800.00	0.00	0.00	11784.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
11900.00	0.00	0.00	11884.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
12000.00	0.00	0.00	11984.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
12100.00	0.00	0.00	12084.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
12200.00	0.00	0.00	12184.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00



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Site: Eddy County, NM
Well: Miller Fed #2
Wellpath: 1

Date: 1/8/2004
Co-ordinate(NE) Reference: Well: Miller Fed #2, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,135.00Azi)
Plan: Plan #1

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Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
12300.00	0.00	0.00	12284.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
12400.00	0.00	0.00	12384.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
12500.00	0.00	0.00	12484.84	-150.00	150.00	212.13	0.00	0.00	0.00	0.00
12515.16	0.00	0.00	12500.00	-150.00	150.00	212.13	0.00	0.00	0.00	0.00

JAN. 8. 2004 10:50AM

SCIENTIFIC DRILLING

Miller Fed

NO. 197 P. 9

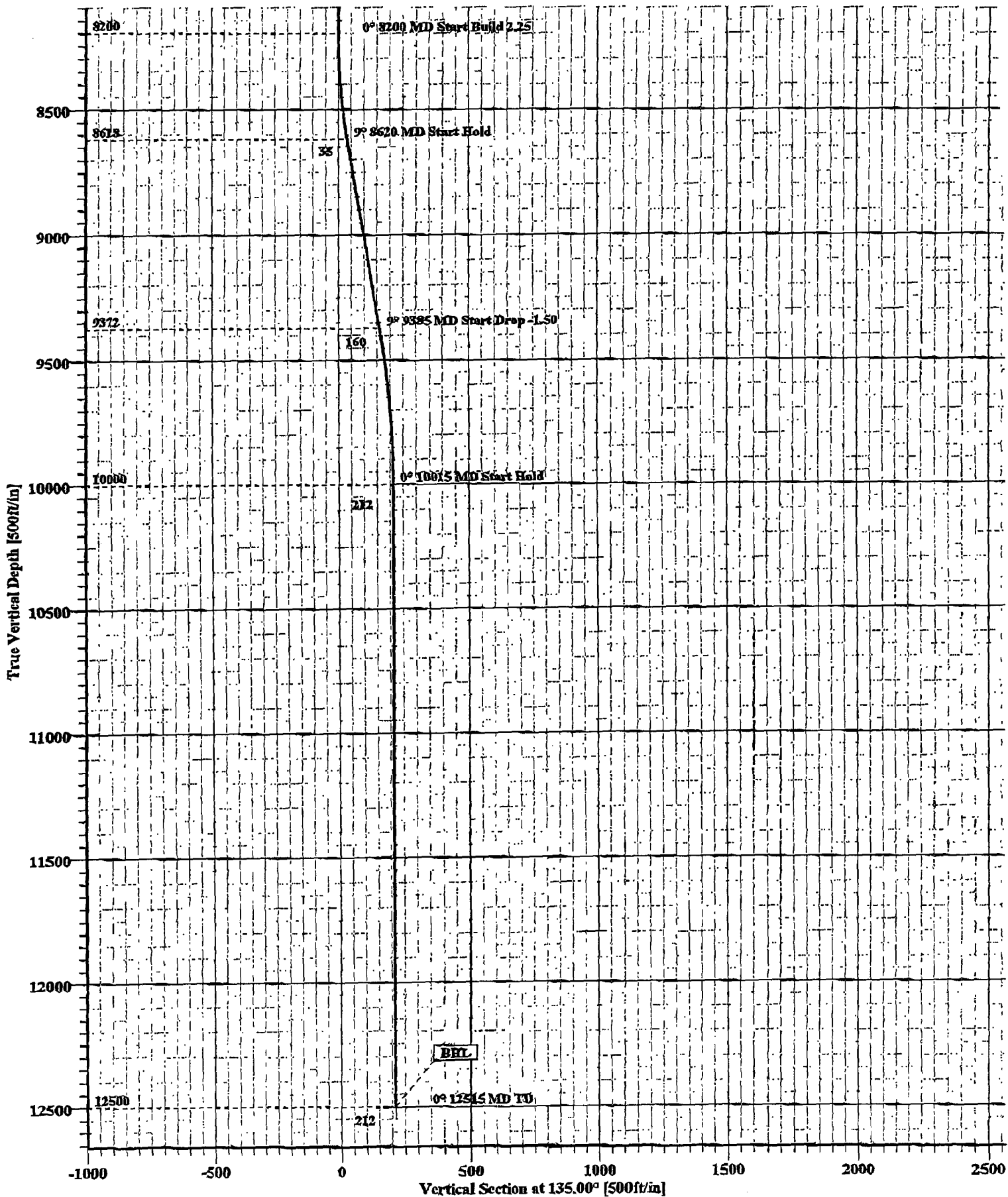
Site: Eddy County, NM

Well: Miller Fed #2

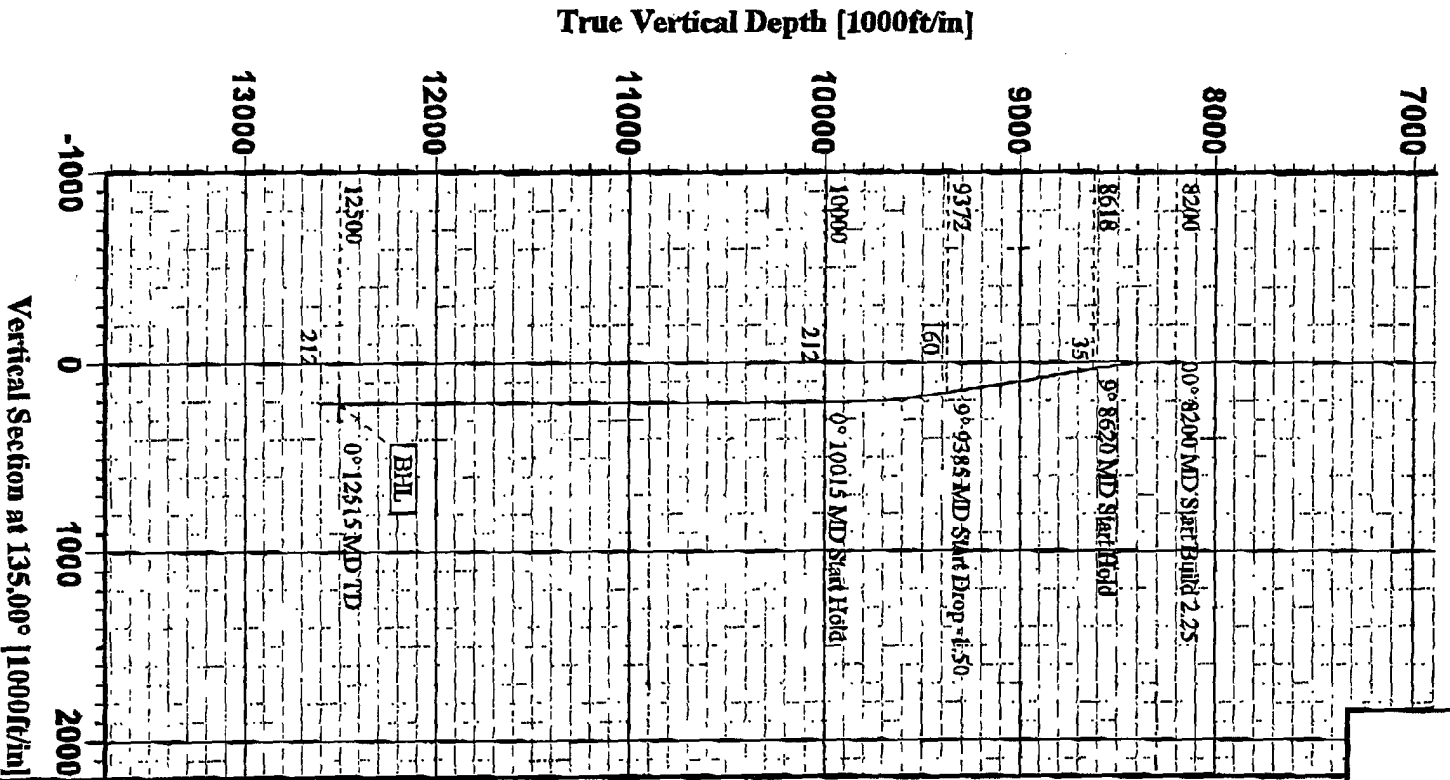
Wellpath: 1

Plan: Plan #1

Patterson Petroleum L



Scientific Drilling



Field: Miller Fed
 Site: Eddy County, NM
 Well: Miller Fed #2
 Wellpath: 1
 Plan: Plan #1

Patterson Petroleum LP

