

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Div-Dist. 2

1301 W. Grand Avenue

Artesia, NM 88210

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
Perenco LLC

MAR 17 2004

3a. Address
6 Desta Dr., Ste. 6800 Midland, TX 79705

3b. Phone No. (City and State)
432 682-8553

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

SL: **760' FSL and 760' FEL, UL P, Sec 31, T16S, R25E**

5. Lease Serial No.

NM190947

6. If Indian, Allottee or Tribe Name

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

33196

8. Well Name and No.

Thames 31 Federal No. 1

9. API Well No.

30-015-33139

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Eddy Co., New Mexico

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

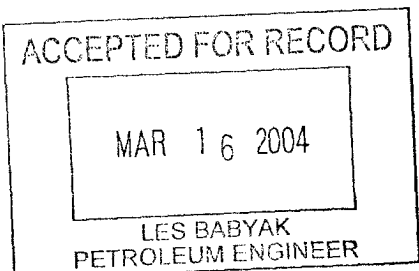
TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Drill horizontal lateral and run liner
	☐ 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.)

2/17/04 Set CIBP at 4656'. Top of plug at 4654'.
Set Whipstock at 4654'. Top of Whipstock at 4639'.

2/18/04 Cut window from 4634' to 4640'. Drill curve from 4692-5075' MD (4691-4907' TVD).
Drill horizontal lateral to 8345' MD (4919' TVD) Surveys Attached

2/26/04 Ran 84 jts (3795') 4-1/2" 11.35# N-80 HDL casing liner. Top of liner hanger at 4543'.



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

Robin S. McCarley

Title **Engineering Technician**

Signature

Robin S. McCarley

Date

03/08/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Date

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 page 2)



SURVEY CALCULATION PROGRAM

DIRECTIONAL DRILLING CONTRACTORS, LLC.

1/10/05

OPERATOR:	PERENCO, LLC.	Supervisors:	
WELL:	THAMES 31 FED #1	KENNY GEORGE	
LOCATION:	EDDY, NEW MEXICO	CHRIS HAYES	
JOB NUMBER:	MDR-4041		

COMMENTS:

TIE IN WITH SCIENTIFIC GYRO	MAG DEC. (+)	9.08
	GRID CORR. (+)	
	TOTAL CORR. (+)	9.08

DATE: 02/28/04

TIME: 12:38 AM

MINIMUM CURVATURE CALCULATIONS(SPE-3362)						PROPOSED DIRECTION		0.2	TARGET TRACKING TO CENTER	
SVY NUM	MD	INC	TRUE AZIM	TVD	SECT	N-S	E-W	DL'S 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)

TIE	4588	1.2	90.7	4587.9	-9.7	-9.7	14.2	0.5	318.0	14.3
1	4674	12.1	358.9	4673.3	-0.6	-0.7	14.9	14.2	230.7	14.9
2	4692	15.6	358.7	4690.7	3.7	3.6	14.8	19.4	213.2	14.8
3	4724	21.9	359.2	4721.0	14.0	13.9	14.6	19.7	183.0	14.6
4	4756	28.2	0.8	4750.0	27.5	27.5	14.6	19.8	154.1	14.5
5	4788	35.1	1.4	4777.2	44.3	44.2	15.0	21.6	127.0	14.6
6	4820	42.3	1.0	4802.2	64.3	64.2	15.4	22.5	102.1	15.1
7	4852	49.8	358.5	4824.4	87.3	87.2	15.2	24.1	80.0	14.9
8	4883	57.8	357.1	4842.7	112.3	112.2	14.3	26.1	61.9	13.9
9	4916	62.3	358.2	4859.1	140.8	140.8	13.1	13.9	45.5	12.6
10	4948	62.2	357.2	4874.0	169.1	169.1	12.0	2.8	30.8	11.4
11	4980	67.6	358.3	4887.6	198.1	198.0	10.8	17.2	17.4	10.1
12	5011	74.2	0.1	4897.7	227.3	227.3	10.4	22.0	7.4	9.6
13	5043	82.1	1.4	4904.3	258.6	258.6	10.8	25.0	1.0	9.9
14	5075	89.2	2.8	4906.7	290.5	290.5	12.0	22.6	-1.3	11.0
15	5107	90.3	2.9	4906.9	322.5	322.4	13.6	3.5	-1.2	12.5
16	5170	89.8	1.0	4906.8	385.4	385.4	15.8	3.1	-0.9	14.4
17	5234	91.0	1.3	4906.4	449.4	449.4	17.0	1.9	-0.1	15.5
18	5298	89.2	359.3	4906.3	513.4	513.4	17.4	4.2	0.4	15.6
19	5362	88.5	359.6	4907.5	577.4	577.3	18.8	1.2	-0.6	14.7
20	5425	90.8	0.6	4907.9	640.4	640.3	18.9	4.0	-0.6	14.6
21	5489	90.9	0.5	4907.0	704.4	704.3	17.5	0.2	0.6	15.0
22	5553	90.1	0.0	4906.4	768.4	768.3	17.8	1.5	1.5	15.1
23	5616	90.0	359.5	4906.4	831.4	831.3	17.5	0.8	1.9	14.6
24	5680	90.5	359.6	4906.1	895.4	895.3	17.0	0.8	2.5	13.9
25	5744	89.8	359.3	4905.9	959.4	959.3	16.4	1.2	3.0	13.0
26	5807	91.0	0.0	4905.5	1022.4	1022.3	16.0	2.2	3.8	12.4
27	5871	91.0	359.5	4904.4	1086.3	1086.3	15.7	0.8	5.3	11.9
28	5935	89.8	357.2	4903.9	1150.3	1150.3	13.9	4.1	6.0	9.8
29	5999	89.1	357.8	4904.5	1214.2	1214.2	11.1	1.4	5.8	6.8



SURVEY CALCULATION PROGRAM

DIRECTIONAL DRILLING CONTRACTORS, L.L.C.

V1.00.03

OPERATOR:	PERENCO, LLC.	Supervisors:	
WELL:	THAMES 31 FED #1	KENNY GEORGE	
LOCATION:	EDDY, NEW MEXICO	CHRIS HAYES	
JOB NUMBER:	MDR-4041		
COMMENTS:			
TIE IN WITH SCIENTIFIC GYRO		MAG DEC (+)	9.08
		GRID CORR (+)	
		TOTAL CORR (+)	9.08

DATE: 02/26/04

TIME: 12:38 AM

MINIMUM CURVATURE CALCULATIONS (SPE 3462)							PROPOSED DIRECTION	0.2	TARGET TRACKING TO CENTER	
SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLG/ 100	ABOVE (+) BELOW (-)	RIGHT (+) LEFT (-)
30	6063	90.4	359.0	4904.8	1278.2	1278.2	9.3	2.8	5.8	4.8
31	6127	87.6	358.6	4905.9	1342.2	1342.1	7.9	4.4	5.0	3.3
32	6190	87.6	359.1	4908.6	1405.1	1405.1	6.7	0.8	2.7	1.8
33	6254	88.1	358.5	4911.0	1469.0	1469.0	5.3	1.2	0.7	0.2
34	6318	91.1	359.1	4911.4	1533.0	1533.0	4.0	4.8	0.6	-1.3
35	6382	91.7	359.7	4909.9	1597.0	1597.0	3.3	1.3	2.5	-2.2
36	6414	89.8	0.0	4909.4	1629.0	1629.0	3.2	6.0	3.0	-2.4
37	6476	90.0	2.8	4909.5	1690.9	1690.9	4.8	4.5	3.3	-1.1
38	6508	88.6	3.1	4909.9	1722.9	1722.9	6.4	4.5	3.0	0.4
39	6540	90.0	3.6	4910.3	1754.8	1754.8	8.3	4.6	2.8	2.2
40	6603	88.6	4.1	4911.1	1817.7	1817.7	12.5	2.4	2.4	6.2
41	6667	87.3	2.5	4913.4	1881.6	1881.5	16.2	3.2	0.4	9.6
42	6731	87.8	1.8	4916.1	1945.5	1945.4	18.6	1.3	-2.0	11.8
43	6763	87.8	1.5	4917.3	1977.4	1977.4	19.5	0.9	-3.1	12.6
44	6793	87.9	1.5	4918.5	2007.4	2007.4	20.3	0.3	-4.0	13.3
45	6858	89.4	359.3	4920.0	2072.4	2072.3	20.7	4.1	-5.2	13.5
46	6922	91.6	359.9	4919.4	2136.4	2136.3	20.3	3.6	-4.3	12.8
47	6986	91.1	359.8	4917.9	2200.4	2200.3	20.1	0.8	-2.5	12.5
48	7050	87.6	358.5	4918.7	2264.3	2264.3	19.2	5.8	-2.9	11.3
49	7114	88.2	359.0	4921.0	2328.3	2328.2	17.8	1.2	-4.9	9.7
50	7178	90.9	359.4	4921.5	2392.3	2392.2	16.9	4.3	-5.0	8.5
51	7241	90.1	357.7	4921.0	2455.2	2455.2	15.3	3.0	-4.2	6.7
52	7304	90.5	355.9	4920.6	2518.1	2518.1	11.8	2.9	-3.5	3.0
53	7368	89.1	354.5	4920.9	2581.9	2581.9	6.4	3.1	-3.4	-2.6
54	7432	91.6	357.2	4920.5	2645.7	2645.7	1.8	5.7	-2.7	-7.4
55	7496	87.4	356.4	4921.0	2709.5	2709.6	-1.8	6.7	-2.9	-11.2
56	7560	90.5	357.4	4922.2	2773.4	2773.4	-5.2	5.1	-3.7	-14.9
57	7623	91.0	353.8	4921.4	2836.2	2836.2	-10.1	5.8	-2.6	-20.0
58	7687	89.1	355.3	4921.3	2899.9	2900.0	-16.1	3.8	-2.2	-26.3
59	7751	91.0	357.6	4921.3	2963.7	2963.8	-20.1	4.7	-1.8	-30.4



SURVEY CALCULATION PROGRAM

01.00.02

DIRECTIONAL DRILLING CONTRACTORS, LLC.

OPERATOR: PERENCO, LLC.

Supervisors:

WELL: THAMES 31 FED #1

KENNY GEORGE

LOCATION: EDDY, NEW MEXICO

CHRIS HAYES

JOB NUMBER: MDR-4041

COMMENTS:

TIE IN WITH SCIENTIFIC CYRO

MAG DEG. (+/-)

9.08

GRID CORR. (+/-)

TOTAL CORR. (+/-)

9.08

DATE: 02/25/04

TIME: 12:35 AM

MINIMUM CURVATURE CALCULATIONS (SPE-4382)

PROPOSED DIRECTION

0.2

TARGET TRACKING
TO CENTER

SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLE/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)
60	7814	89.5	355.9	4921.0	3028.6	3026.7	-23.7	3.6	-1.2	-34.2
61	7878	89.4	356.6	4921.8	3090.5	3090.6	-27.9	1.1	-1.5	-38.6
62	7942	89.4	357.5	4922.3	3154.4	3154.5	-31.2	1.4	-1.8	-42.2
63	8005	90.9	358.2	4922.1	3217.3	3217.4	-35.3	2.6	-1.3	-44.7
64	8069	89.4	359.0	4921.9	3281.3	3281.4	-35.1	2.7	-0.8	-46.5
65	8133	90.0	0.3	4922.3	3345.3	3345.4	-35.5	2.2	-0.8	-47.1
66	8229	90.6	0.4	4921.8	3441.3	3441.4	-34.9	0.6	0.2	-46.9
67	8293	91.9	0.1	4920.4	3505.2	3505.4	-34.6	2.1	1.9	-46.8
BIT	8345	91.9	0.1	4918.8	3557.2	3557.4	-34.5	0.0	3.9	-46.9