

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. 1st Street, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

RECEIVED

MAY 12 2004

OCB-ARTESIA

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Perenco LLC 6 Desta Drive, Suite 6800 Midland, TX 79705		² OGRID Number 218885
		³ API Number 30- 015-33053
⁴ Property Code 33040	⁵ Property Name State 1724	⁶ Well No. 311

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	31	17S	24E		660	South	1980	West	Eddy

⁸ Proposed 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
D	31	17S	24E		660	North	1980	West	Eddy

⁹ Proposed Pool 1 Cottonwood Creek; Abo Gas	¹⁰ Proposed Pool 2 Wildcat Abo
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¹¹ Work Type Code D	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3861'
¹⁶ Multiple	¹⁷ Proposed Depth 8594' MD	¹⁸ Formation Abo	¹⁹ Contractor Patterson-UTII	²⁰ Spud Date 05/10/04

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	225'	650	Surface
12-1/4"	9-5/8"	36#	1208'	1015	Surface
8-3/4"	7"	26#	4977'	487	1300'
6-1/8"	4-1/2"	11.6#	9527'		

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.
Describe the blowout prevention program, if any. Use additional sheets if necessary.

Well is currently completed as a vertical well at a TD of 4980' in the Cottonwood Creek; Abo Gas Pool.

A CIBP will be set in the 7" casing at 4460'. A whipstock will be set on top of CIBP and window drilled 4443-4459'.

Horizontal lateral will be drilled in the Abo formation 4476' to 8594' MD as per attached directional plan.

Blowout prevention: 2000 psi double and annular BOP's.

If this work requires an earthen pit, a permit must be approved prior to construction of pit(s).

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Robin S. McCarley

Printed name: **Robin S. McCarley**

Title: **Eng. Tech.**

Date:

05/10/04

Phone:

(432) 682-8553

Approved by:

Signe del Campo
District Supervisor

Title:

Approval Date: **MAY 13 2004**

Expiration Date:

Conditions of Approval:

Attached ☐

DISTRICT I
1625, N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-33053	Pool Code	Pool Name Wildcat
Property Code	Property Name STATE 1724	Well Number 311
OGRID No. 218885	Operator Name PERENCO LLC	Elevation 3861'

Surface Location

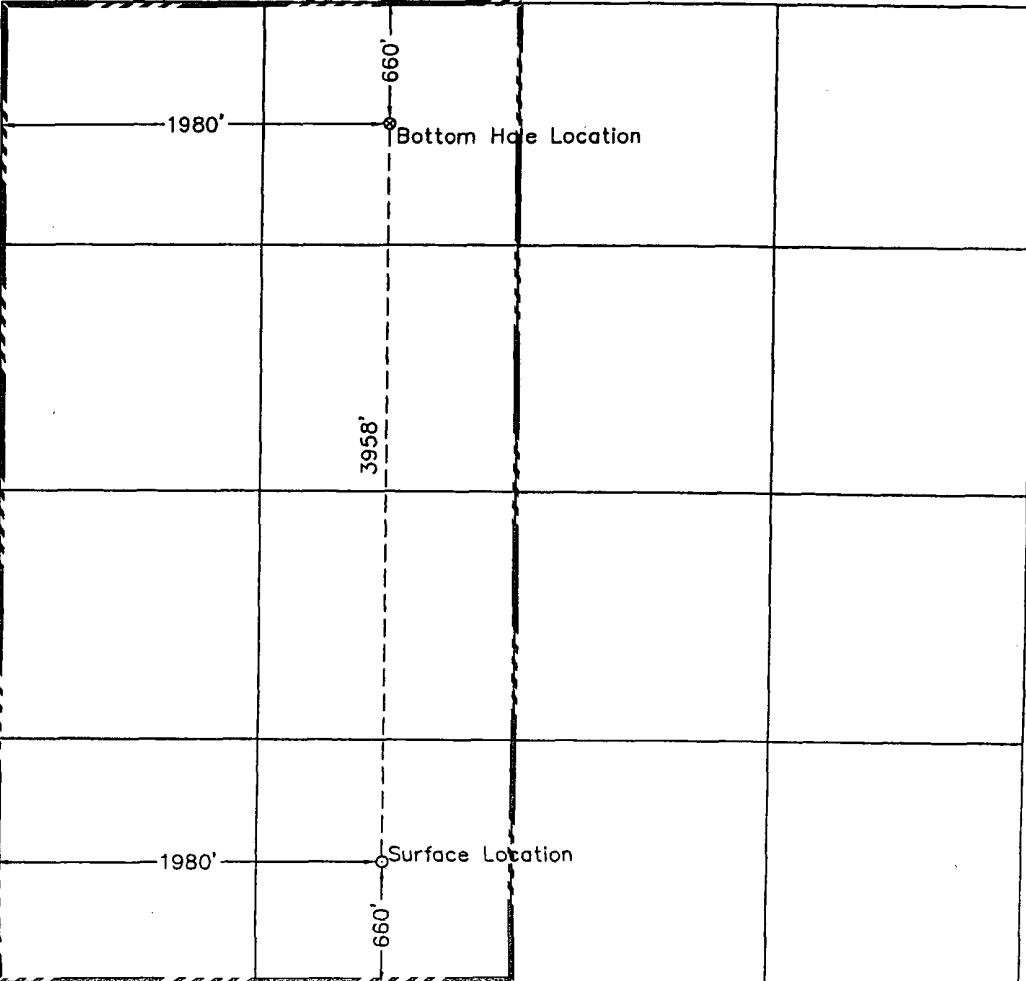
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	31	17 S	24 E		660	SOUTH	1980	WEST	EDDY

Bottom Hole Location If Different From Surface

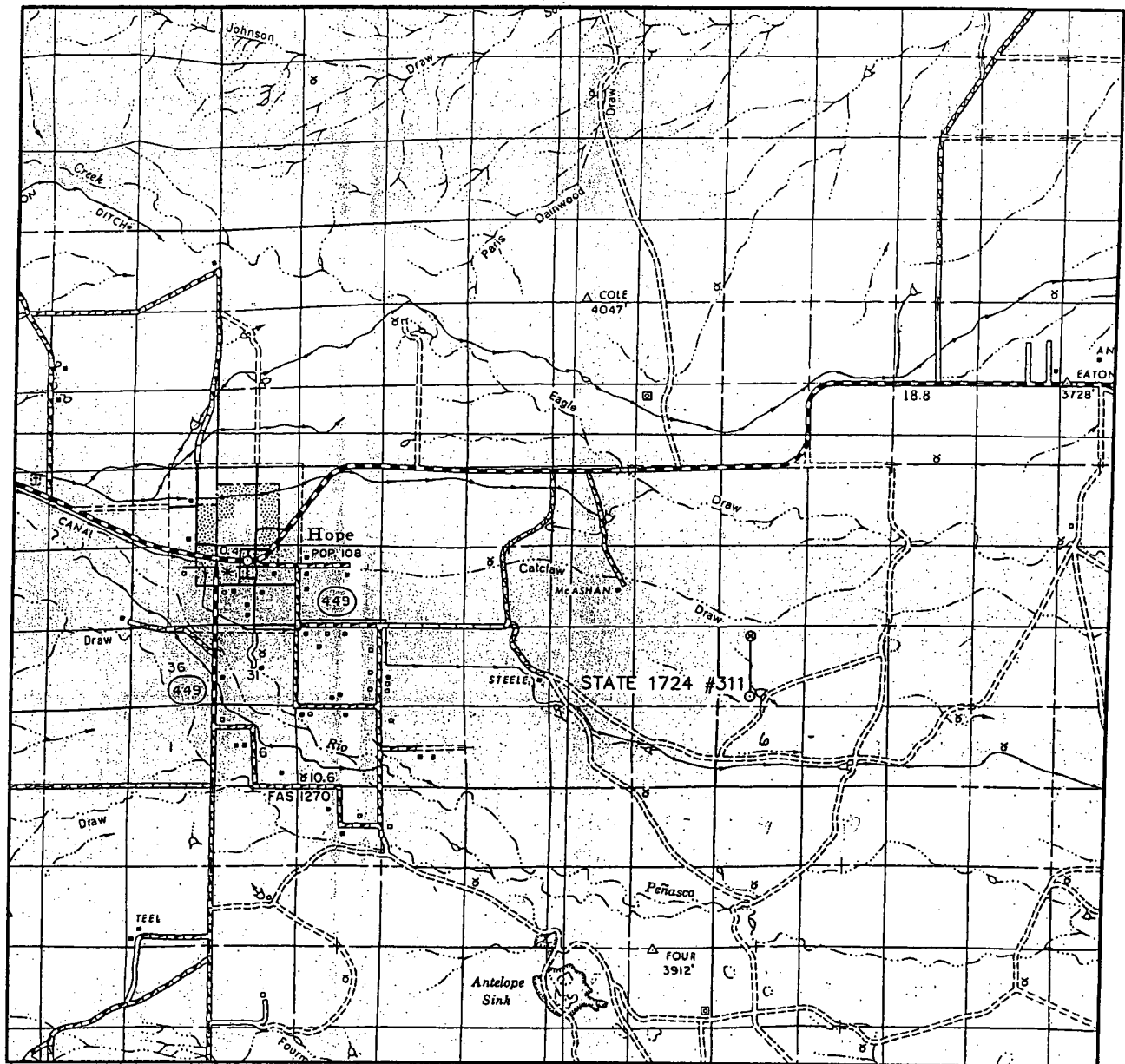
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	31	17 S	24 E		660	NORTH	1980	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320	N		

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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Robin S. McCarley</i> Signature Robin S. McCarley Printed Name Eng. Tech. Title 03/24/04 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. <i>MAACON McDONALD</i> Date Surveyed Signature of Professional Surveyor September 10, 2003 Date W.O. Num 2003-0630 Certificate No. MAACON McDONALD 12185
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VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 31 TWP. 17-S RGE. 24-E
 SURVEY N.M.P.M.
 COUNTY EDDY
 DESCRIPTION 660' FSL & 1980' FWL
 ELEVATION 3861'
 OPERATOR PERENCO LLC
 LEASE STATE 1724



**WEST
COMPANY**
 of Midland, Inc.

110 W. LOUISIANA, STE. 110
 MIDLAND TEXAS, 79701
 (915) 687-0865 - (915) 687-0868 FAX

PERENCO, INC.
STATE TRACT '1724' #311 - EDDY COUNTY, NEW MEXICO - PROPOSAL 04-076
CLOSURE

Measured Depth	Inc. °	Azimuth	True Vertical Depth	N - S Ft	E - W Ft	Vertical Section	Distance Ft.	Direction °	Dogleg Severity Deg/100
KOP @ 4492' / BUILD 23.00°/100'									
4492.00	0.00	360.00	4492.00	0.00	0.00	0.00	0.00	360.00	0.00
4522.00	6.90	360.00	4521.93	1.80	0.00	1.80	1.80	360.00	23.00
4552.00	13.80	360.00	4551.42	7.19	0.00	7.19	7.19	360.00	23.00
4582.00	20.70	360.00	4580.05	16.08	0.00	16.08	16.08	360.00	23.00
4612.00	27.60	360.00	4607.41	28.35	0.00	28.35	28.35	360.00	23.00
4642.00	34.50	360.00	4633.10	43.81	0.00	43.81	43.81	360.00	23.00
4672.00	41.40	360.00	4656.74	62.25	0.00	62.25	62.25	360.00	23.00
4702.00	48.30	360.00	4678.00	83.40	0.00	83.40	83.40	360.00	23.00
4732.00	55.20	360.00	4696.56	106.94	0.00	106.94	106.94	360.00	23.00
4762.00	62.10	360.00	4712.16	132.55	0.00	132.55	132.55	360.00	23.00
4792.00	69.00	360.00	4724.57	159.84	0.00	159.84	159.84	360.00	23.00
4822.00	75.90	360.00	4733.61	188.42	0.00	188.42	188.42	360.00	23.00
4852.00	82.80	360.00	4739.15	217.89	0.00	217.89	217.89	360.00	23.00
END OF CURVE @ 4882' MD / 89.63° INC. / 4741' TVD									
4881.70	89.63	360.00	4741.11	247.51	0.00	247.51	247.51	360.00	23.00
5281.70	89.63	360.00	4743.68	647.50	0.00	647.50	647.50	360.00	0.00
5681.70	89.63	360.00	4746.26	1047.49	0.00	1047.49	1047.49	360.00	0.00
6081.70	89.63	360.00	4748.83	1447.48	0.00	1447.48	1447.48	360.00	0.00
6481.70	89.63	360.00	4751.40	1847.48	0.00	1847.48	1847.48	360.00	0.00
6881.70	89.63	360.00	4753.98	2247.47	0.00	2247.47	2247.47	360.00	0.00
7281.70	89.63	360.00	4756.55	2647.46	0.00	2647.46	2647.46	360.00	0.00
7681.70	89.63	360.00	4759.13	3047.45	0.00	3047.45	3047.45	360.00	0.00
8081.70	89.63	360.00	4761.70	3447.44	0.00	3447.44	3447.44	360.00	0.00
8481.70	89.63	360.00	4764.28	3847.43	0.00	3847.43	3847.43	360.00	0.00
PBHL @ 8594' MD / 4765' TVD									
8594.27	89.63	360.00	4765.00	3960.00	0.00	3960.00	3960.00	360.00	0.00