

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994
Instructions on back
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. Concho Resources Inc. 110 W. Louisana, Ste 410 Midland, Tx 79701		² OGRID Number 166111
		³ API Number 30 - 025-34480
⁴ Property Code 23921	⁵ Property Name Cayuma	⁶ Well No. 1

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
m 13	1	16S	36E		3580	South	990	West	Lea

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
m 13	1	16S	36E		3175	South	743	West	Lea

⁹ Proposed Pool 1

Northeast Lovington Penn

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3879'
¹⁶ Multiple S	¹⁷ Proposed Depth 12,000	¹⁸ Formation Strawn	¹⁹ Contractor	²⁰ Spud Date 12/98

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#	450'	445 sks	surface
11"	8-5/8"	32#	4500'	1735 sks	100'
7-7/8"	5-1/2"	17#	12000'	840 sks	4450'

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.

It is proposed to drill the Cayuma #1 to the Northeast Lovington Penn pool. The above reflects our intentions regarding the casing program. The well is intended to be a vertical hole to approximately 9,500' at which time the well will be directionally drilled to an approximate bottom hole location of 3175' FSL & 743' FWL. The surface location was moved to accomodate a surface dwelling. Attached you will find the proposed mud program and directional plan for the wellbore.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Change of Operator

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

Signature:

Printed name:

Title:

Production Analyst

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

915-683-7443

Only

As per Letter on 12/22/98.
Do not need a Class for Operator Ch, as long as
the well has not been spudded. This can be
done when the well is spudded.