

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

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 WEST LOUISIANA SUITE 410 MIDLAND, TEXAS 79702		² OGRID Number 166111
³ Property Code 26789		⁴ API Number 30-025-35199
⁵ Property Name SOUTH SHOE BAR "4" STATE		⁶ Well No. 1

⁷Surface Location

UL or lot no. H	Section 4	Township 17 S	Range 35E	Lot 1/4	Feet from the 1650'	North/South line North	Feet from the 990'	East/West line EAST	County LEA
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⁸Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
Shoe Bar					⁹ Proposed Pool 1 VACUUM ATOKA-MORROW, NORTH (86800)		¹⁰ Proposed Pool 2		

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3979'
¹⁶ Multiple NO	¹⁷ Proposed Depth 13,000	¹⁸ Formation MORROW	¹⁹ Contractor Unknown	²⁰ Spud Date When approved

²¹Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TCC
25"	20"	Conductor	40'	Redi-mix	Surface
17 1/2"	13 3/8"	48	450'	450 Sx.	Surface
11"	8 5/8"	32	4950'	1700 Sx.	100' from Sur
7 7/8"	5 1/2"	17	13,000'	850 Sx	4700' " "

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.

1. Drill 25" hole to 40'. Set 40' of 20" conductor and cement to surface with Redi-mix.
2. Drill 17 1/2" hole to 450'. Run and set 450' of 13 3/8" 48# H-40 ST&C casing. Cement with 450 Sx. of Class "C" cement + 1/3 Flocele + 2% CaCl, circulate cement to surface.
3. Drill 11" hole to 4950'. Run and set 4950' of 8 5/8" 32# J-55 ST&C casing. Cement with 1000 Sx. of Halco Light + additives, tail in with 750 Sx. of Class "C" cement + 1/4# Flocele/Sx. + 2% CaCl, bring cement back to 100' from surface.
4. Drill 7 7/8" hole to 13,000'. Run and set 13,000' of 5 1/2" 17# N-80 & J-55 LT&C casing. Cement with 600 Sx. of Class "H" Halco Light + additives, tail in with 250 Sx. of Class "H" Premium Plus cement, estimate top of cement 4700' from surface.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Joe T. Janica</i>		OIL CONSERVATION DIVISION	
Printed name: Joe T. Janica		Approved by:	
Title: Agent		Title:	
Date: 10/12/00		Approval Date: 10/12/00	Expiration Date:
Phone: 505-391-8503		Conditions of Approval:	

Permit expires 1 year from Approval Date unless Drilling Underway