

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

Form C-101  
Revised March 17, 1999

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

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

<sup>1</sup> Operator Name and Address CONCHO OIL & GAS CORP. 110 W. LOUISIAN STE 410 MIDLAND, TX 79701		<sup>2</sup> OGRID Number 193407
		<sup>3</sup> API Number 30 - 025-35615
<sup>3</sup> Property Code 28294	<sup>5</sup> Property Name Largo '36' State	<sup>6</sup> Well No. 1

<sup>7</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	36	10S	32E		1980	NORTH	1980	EAST	LEA

<sup>8</sup> 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

<sup>9</sup> Proposed Pool 1 CUERNO LARGO PENN	<sup>10</sup> Proposed Pool 2
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<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 4299'
<sup>16</sup> Multiple S	<sup>17</sup> Proposed Depth 10770'	<sup>18</sup> Formation STRAWN	<sup>19</sup> Contractor	<sup>20</sup> Spud Date

<sup>21</sup> 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	54.5	400	330	SURF
11	8-5/8	32	3750	865	SURF
7-7/8	5-1/2	17	11200	800	7000

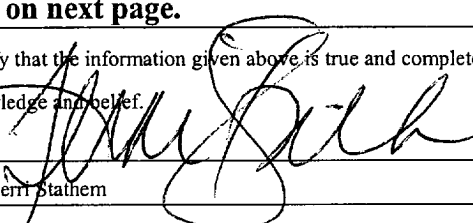
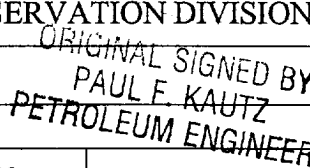
22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

**Concho Oil & Gas Corp. respectfully requests approval to plugback the Largo '36' State No. 1 well according to the following procedure:**

1. MIRU well service unit. NU 3M manual BOP. POOH with tbg and packer.

2. RU W/L. TIH w/ 5 1/2" CIBP. Set plug at 10770'. Load casing w/ 2% KCL water and test to 2000#. Dump 35' cement on top of plug.

3. RU Full Lubricator. TIH w/ 4" casing gun. **Perforate Strawn formation from 10312'- 10322' w/ 2 SPF. 10' net for a total of 21 holes**

<b>Continued on next page.</b>	
<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	
Signature: 	OIL CONSERVATION DIVISION
Printed name: Terril Stathern	Approved by: 
Title: Production Analyst	Title: PETROLEUM ENGINEER
Date: 2-5-02	Approval Date: FEB 11 2002
Phone: (915) 683-7443	Expiration Date:
Conditions of Approval:	
Attached <input type="checkbox"/>	

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway  
Plug-Back

**Large 36 State No. 1 Plugback to NN**  
**Attachment to C101 – February 5, 2002**

4. TIH w/ 10K pkr, seating nipple and remaining tbg. Set packer @ +/- 10150'. Swab test well.
5. If Necessary acidize Strawn formation with 1000 gallons 15% NEFE acid carrying 30 ball sealers. Swab test well and evaluate
6. RU BOP & POOH w/ tbg and packer. If zone is not productive TIH w/ 5 ½" CIBP & set at +/- 10290'. Load casing w/ 2% KCL water and test to 2000#.
7. RU Full Lubricator. TIH w/ 4" casing gun. **Perforate Strawn formation from 10243'- 10254' w/ 2 SPF. 11' net for a total of 23 holes.**
8. TIH w/ RBP, pkr, seating nipple and remaining tbg. Set RBP @ 10290'. Test to 2000#. Set packer @ +/- 10120'. Swab test well.
9. If necessary acidize Strawn formation w/ 1000 gallons 15% NEFE acid carrying 50 ball sealers. Swab test well and evaluate
10. POOH w/ tbg and packer. If zone is not productive TIH w/ 5 ½" CIBP & set at +/- 10200'. Load casing w/ 2% KCL water and test to 2000#.
11. RU Full Lubricator. TIH w/ 4" casing gun. **Perforate Mid Penn formation from 10148'- 10154' w/ 2 SPF. 6' net for a total of 13 holes.**
12. TIH w/ RBP, pkr, seating nipple and remaining tbg. Set RBP @ 10200'. Test to 2000#. Set packer @ +/- 10000'. Swab test well.
13. If necessary acidize Mid Penn formation w/ 1000 gallons 15% NEFE acid carrying 20 ball sealers. Swab test and evaluate.
14. POOH w/ tbg and packer. If zone is not productive TIH w/ 5 ½" CIBP & set at +/- 10120'. Load casing w/ 2% KCL water and test to 2000#.
15. RU Full Lubricator. TIH w/ 4" casing gun. **Perforate Mid Penn formation from 10053'-10057' w/ 2 SPF. 4' net for a total of 9 holes**
16. TIH w/ RBP, pkr, seating nipple and remaining tbg. Set RBP @ 10100'. Test to 2000#. Set packer @ +/- 9900'. Swab test well
17. If necessary acidize Mid Penn formation w/ 500 gallons 15% NEFE acid @ 1 BPM carrying 10 ball sealers. Swab test and evaluate.
18. POOH w/ tbg and packer. If zone is not productive TIH w/ 5 ½" CIBP & set at +/- 10000'. Load casing w/ 2% KCL water and test to 2000#.
19. RU Full Lubricator. TIH w/ 4" casing gun. **Perforate Ranger Lake formation from 9525'-9538' w/ 2 SPF. 13' net for a total of 27 holes**
20. TIH w/ RBP, pkr, seating nipple and remaining tbg. Set RBP @ 9600'. Test to 2000#. Set packer @ +/- 9400'. Swab test well
21. If necessary acidize Ranger Lake formation w/ 2000 gallons 15% NEFE acid carrying 40 ball sealers. Swab test and evaluate.
22. POOH w/ tbg and packer. If zone is not productive TIH w/ 5 ½" CIBP & set at +/- 9500'. Load casing w/ 2% KCL water and test to 2000#.
23. RU Full Lubricator. TIH w/ 4" casing gun. **Perforate Bough "B" formation from 9240'-9248' & 9212'- 9218' w/ 2 SPF. 14' net for a total of 30 holes.**
24. TIH w/ RBP, pkr, seating nipple and remaining tbg. Set RBP @ 9300'. Test to 2000#. Set packer @ +/- 9230'. Acidize 9240'-9248' w/ 1200 gallons 15% NEFE carrying 25 ball sealers. Set RBP @ 9230' & Packer @ 9100'. Acidize 9212'- 9218' w/ 1000 gallons 15% NEFE acid carrying 20 ball sealers. Swab test well and evaluate.
25. POOH w/ RBP, packer and tbg. TIH w/ production string and rods. Install pumping unit and turn well to production.