

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
83.1st Street
Artesia, NM 88210-2834

FORM APPROVED
Budget Code 4004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
CONCHO RESOURCES INC.

3. Address and Telephone No.
110 W. LOUISIANA STE 410; MIDLAND, TX 79701 (915) 683-7443

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
990' FSL & 990' FEL, SEC. 15, 18S, 24E.

5. Lease Designation and Serial No.
NM101077

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Southern Cross '15' Federal Com #1

9. API Well No.
3001531474

10. Field and Pool, or Exploratory Area
Antelope Sink North Morrow

11. County or Parish, State

EDDY, NM

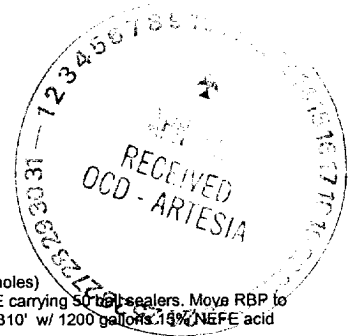
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)
Concho Resources Inc. respectfully request approval to plug back the Southern Cross '15' Federal No. 1 well according to the following procedure:

1. MIRU PU. TIH w/ 2.313 XX plug. Set plug in "X" Profile in On-Off tool at 7950'. Blow well down. Load tbg with 2% KCL water and test plug to 2000#. Release On-Off tool. RU swab. Swab well down to 4000'. ND tree & NU BOP. RU slickline. TIH and retrieve plug. Release packer. POOH with tbg string and packer
2. RU wireline. TIH w/ 5 1/2" CIBP and set at 7970'. Load hole with 2% KCL water and test to 2000#. Dump 35' cement on top of plug.
3. RIH w/ 3 3/8" csg gun & perf Canyon Lime 2 SPF from 7480'-7490'. 10' net w/ 2 SPF (21 holes). RD WL.
4. RIH w/ pkr & tbg to 7500'. Spot 2 bbls 15% NEFE across perfs. PU to 7400'. Reverse tbg capacity + 10 bbl. Set packer @ 7400'.
5. Spot acid to within 4 bbl of packer and acidize 7480'-7490' with 1500 gal 15% NEFE carrying 35 ball sealers
6. Swab and evaluate.
- If non-productive continue w/next Step.
7. Rel pkr & POOH w/tbg & pkr.
8. RU wireline. TIH with 5 1/2" CIBP and set at 7430. Load hole w/ 2% KCL water & test plug to 2000#. Dump 35' of cement on top of plug
9. RIH w/ 3 3/8" csg gun & perf Cisco Lime 2 SF from 6528'-6540'. 12' net w/ 2 SPF (25 shots). RD WL.
10. TIH w/ tbg and packer to 6550'. Spot 2 bbls 15% NEFE across perfs. PU to 6400' and reverse tbg capacity + 10 bbl. Set pkr @ 6400'.
11. Spot acid to within 2 bbl of packer and acidize zone with 1800 gal 15% NEFE carrying 45 ball sealers.
12. Swab and evaluate.
- If non-productive continue w/next Step.
13. Release pkr and POOH w/ tbg and packer.
14. TIH w/ 5 1/2" CIBP and set at 6515'. Load hole with 2% KCL water & test plug to 2000#.
15. TIH w/ 3 3/8" csg gun & perf Cisco Lime 2 SPF from 6448'-6454', 6438'-6444', 6421'-6425', 6334'-6348', 6302'-6310', & 6274'-6282'. 46' net w/ 2 SPF (98 holes)
16. TIH w/ RBP w/ ball catcher, and packer. Set RBP at 6470' and packer at 6400'. Acidize 6448'-6454', 6438'-6444' & 6421'-6425' w/ 2400 gallons 15% NEFE carrying 50 ball sealers. Move RBP to 6370' and packer to 6320'. Acidize 6334'-6348' w/ 2100 gal 15% NEFE acid carrying 40 ball sealers. Move RBP to 6320 and packer to 6290'. Acidize 6302'-6310' w/ 1200 gallons 15% NEFE acid carrying 25 ball sealers. Move RBP to 6290' and packer to 6250'. Acidize 6274'-6282' w/ 1200 gallons 15% NEFE acid carrying 25 ball sealers.
17. Retrieve RBP and POOH w/ RBP, packer and tbg. TIH with packer and tbg to 6150'. Displace annulus with 2% KCL water. RD BOP. Set packer and flange up wellhead
18. Swab and evaluate.



14. I hereby certify that the foregoing is true and correct

Signed *Alexis C. Swoboda*

Title **Production Analyst**

Date **04/02/01**

(This space for Federal or State office use)

(ORIG. SGD.) ALEXIS C. SWOBODA

PETROLEUM ENGINEER

APR 09 2001

Approved by
Conditions of approval, if any:

RECEIVED
JAN 10 1964
FBI