

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-101  
Revised February 10, 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

Operator Name and Address: Stevens & Tull, Inc. P.O. Box 11005 Midland, TX 79702		OGRID Number 21602
Property Code 22104		API Number 30-025-34260
Property Name Emerald		Well No. 1

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	Feet from the	East/West Line	County
J	24	19S	38E		1650	South	2310	East	Lea

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	Feet from the	East/West Line	County
Nature; Drinkard ABO					Proposed Pool 1				
					Proposed Pool 2 Drinkard				

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code P	Ground Level Elevation
Multiple No	Proposed Depth 7,900	Formation ABO	Contractor Sitton	Spud Date

9 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	9 5/8"	36#	1,600'	635 sx	Circ
8 3/4"	7"	23# & 26#	7,900'	1,485 sx	Circ

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.

Drill 12 1/4" hole w/Fresh water to 1600' of hard Formation. Run 9 5/8", 36#, K55 csg. Cement w/435 sx "C" + 4% gel + 2% CACL + 200 sx "C" + 2% CACL, Circulate to surface. Woc 12 hrs before drill out.

Drill 8 3/4" hole to 7,900' w/Brine water - Run open hole logs  
Set 7,900' of 23#-26# N-80 csg. The bottom 3,000' will be 7", 26#, N-80 W/DV Tool set @5000'. Followed by 5000' of 7", 23#, N-80 csg. Cement stg. #1 w/190 sx 35:65 POZ "H" + 6% gel + 5% Salt then tail w/345 sx "H". Open DV Tool + CMT STG. #2 w/800 sx Class "C" + 3% salt + tail w/150 sx Class "C" Circ. Cement to surface

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

Signature: *Jesse Lawson*  
Printed name: Jesse Lawson  
Title: Petroleum Engineer  
Date: 1/5/98  
Phone: 915-699-1410

OIL CONSERVATION DIVISION  
Approved by: *Chris Williams*  
Title: DISTRICT 1 SUPERVISOR  
Approval Date: 1/5/98  
Expiration Date:  
Conditions of Approval:  
Attached

Permit Expires 1 Year From Approval Date Unless Drilling Underway

*8*

C-101 Instructions

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

- 1 Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.
- 2 Operator's name and address
- 3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.
- 4 Property code. If this is a new property the OCD will assign the number and fill it in.
- 5 Property name that used to be called 'well name'
- 6 The number of this well on the property.
- 7 The surveyed location of this well New Mexico Principal Meridian NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Letter.
- 8 The proposed bottom hole location of this well at TD
- 9 and 10 The proposed pool(s) to which this well is being drilled.
- 11 Work type code from the following table:
  - N New well
  - E Re-entry
  - D Drill deeper
  - P Plugback
  - A Add a zone
- 12 Well type code from the following table:
  - O Single oil completion
  - G Single gas completion
  - M Multiple completion
  - I Injection well
  - S SWD well
  - W Water supply well
  - C Carbon dioxide well
- 13 Cable or rotary drilling code
  - C Propose to cable tool drill
  - R Propose to rotary drill
- 14 Lease type code from the following table:
  - F Federal
  - S State
  - P Private
  - N Navajo
  - J Jicarilla
  - U Ute
  - I Other Indian tribe
- 15 Ground level elevation above sea level
- 16 Intend to multiple complete? Yes or No
- 17 Proposed total depth of this well
- 18 Geologic formation at TD
- 19 Name of the intended drilling company if known.
- 20 Anticipated spud date.
- 21 Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement
- 22 Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.
- 23 The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.