

WELL NAME AND NUMBER Diegenthaler #2
 LOCATION 1460' FSL & 1980' FWL of Sec. 21-17S-26E, Eddy Co., NM
 (New Mexico give U,S,T & R; Texas give S,Blk.,Sur.& Twp.when required)
 OPERATOR Yates Petroleum Corp.
 DRILLING CONTRACTOR Capitan Drilling Company, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>3/4 @ 370'</u>	<u>1 @ 8620'</u>		
<u>1/2 @ 979'</u>			
<u>1/2 @ 1860'</u>			
<u>1 1/4 @ 2372'</u>			
<u>2 1/4 @ 2564'</u>			
<u>1 @ 3058'</u>			
<u>3/4 @ 3840'</u>			
<u>1 @ 4342'</u>			
<u>2 1/4 @ 4932'</u>			
<u>1 1/4 @ 5447'</u>			
<u>1 @ 6075'</u>			
<u>3/4 @ 7022'</u>			
<u>1/2 @ 7545'</u>			
<u>1 @ 8147'</u>			

RECEIVED
 APR 25 1978
 D.C.C.
 STEERING OFFICE

Drilling Contractor Capitan Drilling Co., Inc.

By Marvin L. Smith

Subscribed and sworn to before me this 23 day of March, 1978

My Commission Expires:
3-14-79

Brenda Stone
 Brenda Stone Notary Public
 Ector County, Texas

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NEW MEXICO OIL CONSERVATION COMMISSION
FEB 24 1978

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fed <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-		7. Unit Agreement Name	
2. Name of Operator Yates Petroleum Corporation ✓		8. Farm or Lease Name Siegenthaler IS Com	
3. Address of Operator 207 South 4th Street-Artesia, NM 88210		9. Well No. 1 2	
4. Location of Well UNIT LETTER <u>K</u> <u>1460</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>21</u> TOWNSHIP <u>17S</u> RANGE <u>26E</u> NMPM.		10. Field and Pool, or Wildcat <u>Liberty</u>	
15. Elevation (Show whether DF, RT, GR, etc.) 3369' GR		12. County Eddy	

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703. Spudded a 17½" hole at 6:00 PM 2-14-78.

TD 370' - Ran 9 joints of 13-3/8" K-55 48# (373') of casing set at 370'. Cemented w/400 sacks of Class C 4% CaCl. Slurry wt. 14.8, 1.32 cuft/sx. Compressive Strength at 70 deg 1023 psi in 12 hours. PD 11:20 PM 2-15-78. Circulated 30 sacks to surface. WOC 12 hours cut off, reduced hole to 12½" drilled plug and tested to 600#. OK. Resumed drilling.

TD 1476' - Ran 33 joints of 8-5/8" 24# K-55 (1479') of casing set at 1476'. 1-Guide shoe at 1476' and Insert float at 1435'. Centralizers and baskets at 980 and 760'. Cemented w/700 sacks of Howco, 10#/sx gilsonite, 1/4# flocele 2% cacl followed w/150 sacks of Class c 2% cacl. Cement did not circulate. PD 10:00 PM 2-18-78. WOC 6 hours and ran Temperature Survey found top of cement at 520'. Ran 1" and tagged cement at 540', spotted 250 sacks of Class C 4% cacl. Cement circulated 20 sacks to surface. PD 8:15 AM 2-19-78. WOC 18 hours, NU and tested BOP's to 1000#. OK, reduced hole to 7-7/8", drilled plug and tested to 600#. OK. Resumed drilling.

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

SIGNED Christine L. Johnson TITLE Geol. Secty DATE 2-23-78

APPROVED BY R. A. Gussert TITLE SUPERVISOR, DISTRICT II DATE FEB 27 1978

CONDITIONS OF APPROVAL, IF ANY: