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Form C-105  
Revised 11-78

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease  
State  Free    
 5b. State Oil & Gas Lease No.

13. TYPE OF WELL  
 OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
 14. TYPE OF COMPLETION  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  REDEV.  OTHER \_\_\_\_\_

7. Unit & present Name  
 8. Name of Lease Name  
**North Cato**  
 9. Well No.  
**2**  
 10. Field name (if different)  
**Und. Cato-San Andres**

11. Name of Operator  
**Harvey E. Yates Company**  
 12. Address of Operator  
**P. O. Box 1933, Roswell, N. M. 88201**  
 13. Location of Well

UNIT LETTER **J** LOCATED **1980** FEET FROM THE **South** LINE AND **1980** FEET FROM

THE **East** LINE OF SEC. **4** TWP. **8S** RGE. **30E** NMPM

11. County  
**Chaves**

15. Date Spudded <b>9-17-79</b>	16. Date T.D. Reached <b>9-25-79</b>	17. Date Compl. (Ready to Prod.) <b>10-8-79</b>	18. Flow Name (DF, RKB, RL, GR, etc.) <b>4058.7' GL</b>	19. Flow Substratum
20. Total Depth <b>3380'</b>	21. Plug Back T.D. <b>3355'</b>	22. If Multiple Compl., How Many	23. Intervals Drilled By <b>0'-3380'</b>	24. Rotary Tools <b>0'-3380'</b>

24. Fracturing Intervals, of this completion - Top, Bottom, Name  
**3326' - 3350' San Andres**  
 25. Was Directional Survey Made  
**No**

26. Type Electric and Other Logs Run  
**Schlumberger SNP & FIL, GR- depth control log**  
 27. Was Well Cased **Yes**  
**3202' - 3262'**

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	20	1017'	12 1/4"	350 Sx HLW + 150 Sx C1 C w/2% CaCl	None
5 1/2"	15.5# & 17#	3380'	7 7/8"	200 Sx 50-50 Poz, 2% gel, 5# salt/sx	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
	None				2 3/8"	3352'	

31. Perforation Record (Interval, size and number)

3326' (4 holes); 3330' (2); 3332' (4); 3334' (2); 3339' (2); 3340' (4); 3341' (2); 3345' (2); 3346' (4); 3347' (2); 3350' (4); Total 32 - 1/2" dia holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3326'- 3350'	1000 gals - 15% MSR 100
	5000 gals - 28% HCL

33. PRODUCTION

Date First Production **12-06-79** Production Method (Flowing, gas lift, pumping - Size and type pump) **Pump 1 1/2" X 12' Trav. BBL** Well Status (Prod. or Shut-in) **Prod.**

Date of Test	Hours Tested	Check Valve	Prodn. Per Test Period	Oil - BBL	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
12-08-79	24	open	→	4	TSTM	1	
Flow Turning Press.	Churn Pressure	Churn Rate (1/4 Hour rate)	Oil - BBL	Gas - MCF	Water - Bbl.	GR Gravity - API (Corr.)	
	25	→	4	TSTM	1	23.6	

34. Disposition of Logs (Sold, used for fuel, vented, etc.)  
**Vented**  
 Test Witnessed By **Herbert Spencer**

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED **Paul Harder** TITLE **Engineer** DATE **12-21-79**

**INSTRUCTIONS**

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All of the reports shall be measured by this. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 50 through 54 shall be reported for each zone. The form is to be filed in triplicate except on state land, where six copies are required. (See Rule 137).

**INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE**

**Southeastern New Mexico**

**Northwestern New Mexico**

T. Anhy _____ 1090	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Archa _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 1392	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 1570	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 2078	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 2550	T. Simpson _____	T. Gallup _____	T. Ignacio Quizte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinobry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. P-1 _____ 3236	T. Chinle _____	T. _____
T. Penn. _____	T. P-2 _____ 3300	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

**OIL OR GAS SANDS OR ZONES**

No. 1, from _____ 3326' _____ to _____ 3350' _____	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

**● IMPORTANT WATER SANDS**

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.
No. 2, from _____ to _____ feet.
No. 3, from _____ to _____ feet.
No. 4, from _____ to _____ feet.

**FORMATION RECORD (Attach additional sheets if necessary)**

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	644	644	Red beds				
644	1017	373	Anhy				
1017	2320	1303	Dolomite				
2320	3380	1060	Lime				

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