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Form C-105
Revised 11-66NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease

State ☒Fee ☐

5. State Oil & Gas Lease No.

K-3259

7. Unit Agreement Name

8. Farm or Lease Name

Sun State

9. Well No.

1

10. Field and Pool, or Wildcat

Cato-San Andres

11. County

Chaves

1a. TYPE OF WELL

OIL WELL ☒GAS WELL ☐DRY ☐

OTHER

b. TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESVR. ☐

OTHER

2. Name of Operator

Harvey E. Yates Company, Inc.

3. Address of Operator

Suite 1000 Security National Bank Bldg., Roswell, N.M. 88201

4. Location of Well

UNIT LETTER M LOCATED 660 FEET FROM THE South LINE AND 660 FEET FROMTHE West LINE OF SEC. 36 TWP. 7S RGE. 30E NMPM

15. Date Spudded

11-7-76

16. Date T.D. Reached

11-14-76

17. Date Compl. (Ready to Prod.)

2-8-77

18. Elevations (DF, RKB, RT, CR, etc.)

4173' KB

19. Elev. Casinghead

20. Total Depth

3720' KB

21. Plug Back T.D.

3713' KB

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

Cable Tools

0' - 3720'

24. Producing Interval(s), of this completion - Top, Bottom, Name

San Andres

3480 - 3678

25. Was Directional Survey Made

Yes

26. Type Electric and Other Logs Run

Gamma Ray Neutron

27. Was Well Cored

No

Sidewall Neutron Porosity, Cement Bond, Dual Laterolog Micro-SFL

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#	339'	11"	125 Sx - 25 Sx Circulated	
4 1/2"	9.5# & 11.6#	3720'		800 Sx	

29.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30.

TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	3658'	

31. Perforation Record (Interval, size and number)

3480-81, 3548-49-50-59-61-71-72-73-74-77-78-79-80, 3614½-19-20-57-59-76½-78 - 22 Holes
 Re-perforate 3571-74 & 3576-80 - 9 Shots
 3613-15 & 3617-20 - 7 Shots
 Re-acid 1000 Gals - 15%BDA w/ 25 Ball Sealers

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3480' - 3678'	750 Gals Acid
3480' - 3678'	5000 Gals Acid 20%HCL
3480' - 3678'	Squeeze off perforations with 300 Sx cement Class "C"

33.

PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
2-7-77		Pumping				Producing	
Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
2-7-77	12			15	TSTM	62	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
			30	TSTM	124		

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

Herb 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

TITLE Vice President

DATE

2-22-77

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INSTRUCTIONS

This form is to be filed with the appropriate Field 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 depths reported shall be measured by this. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>1175</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>1626</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>1790</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>2284</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>2764</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qizte _____
T. Glorieta _____	T. McKee _____	T. Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	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. <u>Pi Marker 3292</u>	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 3480 to 3678 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
1175	1626	451	Anhydrite				
1626	1790	164	Yates				
1790	2284	494	Seven Rivers				
2284	2764	480	Queen				
2764	3292	528	San Andres				
3292	TD	428	Pi Marker				

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U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.