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NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
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
12. County Chaves

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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator Harvey E. Yates Company, Inc.
3. Address of Operator Suite 1000 Security National Bank Building, Roswell, New Mexico
4. Location of Well UNIT LETTER <u>M</u> <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE, SECTION <u>36</u> TOWNSHIP <u>7S</u> RANGE <u>30E</u> NMPM.

15. Elevation (Show whether DF, RT, GR, etc.) 4162 GL
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16. 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 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 type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Testing and treating Run 2 3/8" tubing

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 1103.

- 1-24-77 Rigged up well service unit, pulled tubing out of hole. Re-ran tubing with Baker Model R double-grip packer. Set packer @3563' KB. Rigged up swab. Began swab testing perforations 3570' to 3680'.
- 1-25-77 Swab tested perforations 3570' to 3680'.
- 1-26-77 Swab tested perforations 3548' to 3561'. Swabbed dry. Moved packer and swab tested perforations 3480' to 3481' and 3548' to 3561'. Swabbed dry in 2 swab runs. Released packer. Pulled RBP, packer and tubing out of hole.
- 1-27-77 Going in hole with RTTS packer to squeeze casing perforations. Set RTTS packer @ 3345'. Mixed 100 Sx Class C cement w/ 6/10 of 1% Lime and 50 Sx Class C cement and displaced cement in casing perforations. Closed well in @ 2:00 PM. WOC.
- 1-28-77 Re-squeeze testing perforations. Mixed 200 Sx Class C cement w/ 6# Gilsonite and 2% KCL per sack. Squeezed 127 Sx cement in formation. Max pressure 4000 psi. Released RTTS packer and pulled tubing and packer out of hole. Rigged down Halliburton. WOC.
- 2-1-77 Drilled out to 3048'.
- 2-2-77 - 2-4-77 Drilling. Drilled cement to 3643', cleaned out to 3715'. Pulled out of hole and laid down tools. Released Davis Tool Co. and ran tubing in hole to 3715'.

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

SIGNED <u>Jerry Sexton</u>	TITLE <u>Vice President</u>	DATE <u>February 10, 1977</u>
APPROVED BY <u>Orig. Signed by Jerry Sexton Dist 1 Supv.</u>	TITLE <u></u>	DATE <u>FEB 14 1977</u>
CONDITIONS OF APPROVAL, IF ANY:		

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COMMUNICATIONS SECTION
FEB 1 1977

- 2-5-77 Displaced fresh water out of hole with 2% KCL water. Pumped 2 BA to spot from 3651' to 3527'. Pulled tubing out of hole. Perforated 4 1/2" casing with 1 Jet shot per foot 3571' to 3574', 3576' to 3580', 3613' to 3615', 3617' to 3620'. Total 16 shots. Ran Baker Model R packer and tubing. Set packer @ 3470'. Acidize with 1000 Gals 15% BDA acid. Formation broke @ 2000# and treated at 7/10 BM @ 1600 psi. Injected 25 Ball Sealers in stages of 5 balls per 4 BA. Final pump pressure 1650 psi @ 4/10 BM on flush. Swabbing.
- 2-6-77 - 2-7-77 Swabbing.
- 2-8-77 Released Baker packer and pulled tubing and packer out of hole. Ran 115 Joints of 2 3/8" tubing with BH assembly and hung tubing @ 3658'. Seating nipple at 3622' KB. Ran 143.75, 2" X 1 1/2" X 12' Norris type rods in pump. Spaced out and clamped well off.
- 2-9-77 Rigged down well servicing unit.

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