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NEW MEXICO OIL CONSERVATION COMMISSION

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

MAY 26 1973

O. C. C.

REG. OFFICE

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-		5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
2. Name of Operator Pennzoil Company		5. State Oil & Gas Lease No.
3. Address of Operator P. O. Drawer 1828 - Midland, Texas 79701		7. Unit Agreement Name
4. Location of Well UNIT LETTER <u>F</u> , 1980 FEET FROM THE <u>North</u> LINE AND 1980 FEET FROM THE <u>West</u> LINE, SECTION <u>13</u> TOWNSHIP <u>18-S</u> RANGE <u>25-E</u> NMPM.		8. Farm or Lease Name Vandiver
		9. Well No. 1
		10. Field and Pool, or Wildcat Undesignated
15. Elevation (Show whether DF, RT, GR, etc.) 3473 KB		12. County Eddy

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"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Re-completion attempt in Canyon zone.
PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <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 1103.

SEE ATTACHED SUMMARY

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

SIGNED <u>J. P. Raney</u>	TITLE <u>Petroleum Engineer</u>	DATE <u>May 24, 1973</u>
APPROVED BY <u>W. A. Gressett</u>	TITLE <u>Assistant Secretary</u>	DATE <u>May 24, 1973</u>

CONDITIONS OF APPROVAL, IF ANY:

PENNZOIL COMPANY  
VANDIVER NO. 1  
1980' FNL & 1980' FWL  
SEC. 13, T-18-S, R-25-E  
EDDY COUNTY, NEW MEXICO

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MAY 25

ARTD

- 3-28-73 Set C.I.B.P. @ 8585' & capped w/25' cement. Ran Cement Bond Log. Top of cement @ 7530'.
- 3-29-73 Perforated 4 holes @ 7530'. Set cement retainer @ 7382'. Tested casing above retainer, found hole in 4 1/2" @ 560'. Cemented thru perforations @ 7530' w/325 sx. W.O.C. 8 hours, ran temperature survey, top of cement @ 6200' & bottom of cement @ 7315'.
- 3-31-73 Perf. 4 1/2" casing @ 7315', cement thru retainer @ 7382' w/75 sx. W.O.C. 4 hours. Cement down 4 1/2" - 8 5/8" annulus w/275 sx. (Repaired hole @ 560'). Cement below 8 5/8" casing. W.O.C. 36 hours.
- 4- 2-73 Drilled hard cement from 378' to 560'. Tested casing to 600# for 30 min. O.K. - Drilled hard cement to 7347' - Tested casing to 600# for 30 min. O.K.
- 4- 3-73 Drilled cement & retainer. Good hard cement to 7530', tested casing to 600# for 30 min - O.K. Cleaned out to 8550'.
- 4- 4-73 Perf. 4 1/2" casing 7597' to 7602' and 7620 to 7624'. Treat w/500 gals mud acid. Flowed 144 barrels of load water & formation water 23 hours.
- 4- 5-73 Tested 455 MCF of gas plus 6.5 barrels of formation water per hour. F.T.P. 250#
- 4- 6-73 Testing 262 MCF + 6.5 bbls. water per hour. F.T.P. 25 psi. Set retrievable bridge plug @ 7300'. Perf. 7242 to 7246' and 7250 to 7255'. Treated w/500 gals mud acid. Flwd. & swbd. all load + 10 barrels of formation water in 6 hours.
- 4- 7-73 Swbd. 30 barrels in 2 hours.-S.I.
- 4- 8-73 12 hour SITP was 1050#. Flwd. to zero pressure, no fluid. Re-treated w/2,000 gals of 15% N.E. acid. Swbd. 35 barrels in 2 hours. Flow to clean.
- 4- 9-73 Testing. - Flwd. 325 MCF + 6.5 barrels water per hour. FTP 225 psi into Transwestern line.
- 4-10-73 Testing. - 126 MCF + 4 barrels water per hour. FTP 36 psi in line.
- 4-11-73 12 hr. SITP 825 psi. Turned into line @ 55 MCFPD.
- 4-12-73 Re-treat 7242' to 7255' perforations w/3,000 gals of 20% retarded acid + 2,000 gals of 15% N.E. acid. Swbd. 10 hours and recovered 141 barrels of load water in 10 hours. No flow.
- 4-13-73 13 hour SITP 840 psi. Recovered 211 barrels of load and formation water swbg.
- 4-14-73 14 hour SITP 775 psi. Flwd 45 minutes & died. - S.I.
- 4-16-73 45 hour SITP 1120 psi. Flwd. 1 hour & died. Swbd. dry 4 hours. Pulled pkr. & bridge plug. Set Model -R- packer @ 7217'. (Both zones together below pkr).
- 4-17-73 13 hour SITP 300 psi. Swbd. 92 barrels of formation water in 9 hours.-S.I.
- 4-18-73 Testing down Transwestern Pipeline. FTP 25 psi, Gas rate 38 MCFPD.
- 4-19-73 Testing. - FTP 25 psi, Gas rate 38 MCFPD
- 4-20 thru 25-1973: Testing. - FTP 25 psi, Gas rate 36 MCFPD.
- 4-26-73 Pulled tubing & packer. Set a retrievable bridge plug @ 6958'.

SUMMARY

Vandiver No. 1  
Eddy Co., N. M.  
Page 2

- 4-27-73 Perforate 4 1/2" casing @ 6866' to 6871' and 6905' to 6909'. Treat with 500 gals mud acid. Swab load dry.
- 4-28-73 15 hour SITP 80 psi. Re-treat w/2000 gals 15% N.E. acid. Swbd. 29 barrels in 4 hours.
- 4-29-&30-73 S.I.
- 5- 2-73 Pulled packer & bridge plug. Ran tubing & Model -R- packer. Set packer @ 6838'. All 3 sets of perforations open to tubing.
- 5-3 to 5-23-73 Well open to Transwestern Pipeline. (Line pressure 490 psi). No flow.
- 5-24-73 Prep to abandon.

Pennzoil Company  
J. C. Raney  
Petroleum Engineer  
May 24, 1973