Form 3160-4
(November 1983)
(formerly 9-330)

CONFIDENTIAL

N. M. OIL CONS. COMMISSION
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM 15016

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Wattam Federal

9. WELL NO.: 4

10. FIELD AND POOL, OR WILDCAT: Cato-San Andres

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 6, T8S, R31E

12. COUNTY OR PARISH: Chaves

13. STATE: NM

1a. TYPE OF WELL: OIL [x] GAS [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other Recomplete Dry Hole

2. NAME OF OPERATOR: Petroleum Development Corporation

3. ADDRESS OF OPERATOR: 9720-B Candelaria NE, Albuquerque, NM 87112

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface ~~1060~~ 2060' FNL and 598' FEL of Section 6, T8S, R31E
At top prod. interval reported below
At total depth

BUREAU OF LAND MANAGEMENT RESOURCE AREA JUN 16 1993 ROSWELL, NEW MEXICO

14. PERMIT NO. | DATE ISSUED

15. DATE SPUDDED: 3-28-93
16. DATE T.D. REACHED: 5-18-93
17. DATE COMPL. (Ready to prod.): 6-5-93
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 4220 GR
19. ELEV. CASINGHEAD:

20. TOTAL DEPTH, MD & TVD: 4290'
21. PLUG, BACK T.D., MD & TVD: 4290'
22. IF MULTIPLE COMPL., HOW MANY*:
23. INTERVALS DRILLED BY: →
ROTARY TOOLS:
CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 3722' to 3764'

25. WAS DIRECTIONAL SURVEY MADE: yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: CNL-GR, DLL-MSFL

27. WAS WELL CORED: no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	1289	12¼"	850 sx.	
5-1/2"	14	3900	7-7/8"	1650 sx.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	3650'	

31. PERFORATION RECORD (Interval, size and number)
Open hole completion. 3665' to 4290'
horizontal lateral. (3722' - 3764')

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	7,000 gal. 20% acid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
6-4-93	Swab and flow	shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-5-93	12			82	TSTM	96	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	190		164	TSTM	192	26

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Vented

TEST WITNESSED BY: J.C. Johnson

35. LIST OF ATTACHMENTS: Directional surveys

ACCEPTED FOR RECORD
PETER W. CHESTER
JUN 17 1993
BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED J.C. Johnson TITLE President DATE 6-7-93

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH