

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

Form C-105
Revised 1-1-89

WELL API NO.
30-015-30195

5. Indicate Type Of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
WASHINGTON "33" STATE

8. Well No.
21

9. Pool name or Wildcat
ARTESIA QUEEN GRBG SA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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
ARCO Permian

3. Address of Operator
P.O. Box 1610 Midland, TX 79702

4. Well Location
Unit Letter L : 2310 Feet From The SOUTH Line and 990 Feet From The WEST Line

Section 33 Township 17S Range 28E NMPM EDDY County

10. Date Spudded 9/14/98 11. Date T.D. Reached 9/22/98 12. Date Compl.(Ready to Prod.) 9/29/98 13. Elevations(DF & RKB, RT, GR, etc.) 3672' 14. Elev. Casinghead

15. Total Depth 4200 16. Plug Back T.D. 4164 17. If Multiple Compl. How Many Zones? 1 18. Intervals Drilled By Rotary Tools ☒ Cable Tools ☐

19. Producing Interval(s), of this completion - Top, Bottom, Name 2360-2766 20. Was Directional Survey Made NO

21. Type Electric and Other Logs Run CPNL 22. Was Well Cored NO

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	24	505	12-1/4	CL C-325 SX	
5-1/2	15.5	4200	7-7/8	910 SX	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	2372	

25. TUBING RECORD

26. Perforation record (interval, size, and number)
2360-2766 - 36 HOLES

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
2360-2766 2000 GAL 15%
5000 GAL VIK I-25
184000 #SD

28. PRODUCTION

Date First Production 10/5/98 Production Method Flowing, gas lift, pumping - Size and type pump Well Status (Prod. or Shut-in) PRODUCING
PUMPING

Date of Test 10/7/98 Hours Tested 24 Choke Size 60 Prod'n For Test Period 13 Oil - Bbl. 90 Gas - MCF 359 Water - Bbl. 6923 Gas - Oil Ratio 34.4

Flow Tubing Press. 60 Casing Pressure 60 Calculated 24-Hour Rate 60 Oil - Bbl. 60 Gas - MCF 60 Water - Bbl. 60 Oil Gravity - API(Corr.) 34.4

29. Disposition of Gas(Sold, used for fuel, vented, etc.) SOLD Test Witnessed By

30. List Attachments

31. 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

Signature Elizabeth A. Casbeer Printed Name ELIZABETH A. CASBEER Title REG./COMP. Date 10/19/98

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. 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

Northeastern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg 1686	T. Montoya	T. Mancos	T. McCracken
T. San Andres 1996	T. Simpson	T. Gallup	T. Ignacio Otzite
T. Glorieta 3474	T. McKee	Base Greenhorn	T. Granite
T. Paddock 3593	T. Ellenburger	T. Dakota	T.
T. Blinbry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp	T.	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 to No. 3, from to
 No. 2, from to No. 4, 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

LITHOLOGY RECORD

(Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	1686		SAND AND ANHYDRITE				
1686	1996		DOLOMITE AND SAND				
1996	3474		DOLOMITE				
3474	3593		SAND				
3593	4200		DOLOMITE				