

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

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO.

30-025-31222

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

K-1860

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 ☐

7. Lease Name or Unit Agreement Name

Atlantic 32 State

2. Name of Operator

Harvey E. Yates Company

8. Well No.

#2

3. Address of Operator

P.O. Box 1933, Roswell, N.M. 88202

9. Pool name or Wildcat

Buffalo Queen

4. Well Location

Unit Letter E : 1980 Feet From The North Line and 990 Feet From The West Line

Section 32 Township 18S Range 33E NMPM Lea County

10. Date Spudded

5/20/91

11. Date T.D. Reached

5/29/91

12. Date Compl. (Ready to Prod.)

6/12/91

13. Elevations (DF & RKB, RT, GR, etc.)

3744 GR; 3754 KB

14. Elev. Casinghead

15. Total Depth

5118

16. Plug Back T.D.

5056

17. If Multiple Compl. How
Many Zones?

18. Intervals
Drilled By

Rotary Tools

Cable Tools

rotary

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

4424-28' Queen

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

DLL; CD/CN

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	32	417	12 1/4	350 sks	Circ to surface
5 1/2	17	5118	7 7/8	1630 sks	Circ to surface

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	4325'	4428'

25. TUBING RECORD

26. Perforation record (interval, size, and number)

4424-28' (1 spf-4 holes)

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

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

4424-28'

A w/2100 gals 10% NEFF & 10 BS

F w/19k gals TARA & 30,600#

16/30 ottawa

28.

PRODUCTION

Date First Production

6/14/91

Production Method (Flowing, gas lift, pumping - Size and type pump)

Pumping

Well Status (Prod. or Shut-in)

Producing

Date of Test

6/ 22/91

Hours Tested

24

Choke Size

n/a

Prod'n For
Test Period

Oil - Bbl.

110

Gas - MCF

211

Water - Bbl.

28

Gas - Oil Ratio

1918

Flow Tubing Press.

n/a

Casing Pressure

n/a

Calculated 24-
Hour Rate

Oil - Bbl.

110

Gas - MCF

211

Water - Bbl.

28

Oil Gravity - API - (Corr.)

36.4

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

used on lease

Test Witnessed By

Ray Coor

30. List Attachments

Deviation Survey & E-logs

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

Vickie Teel

Printed
Name

V. Teel

Title Prod Analyst

Date 6/27/91

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 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

T. Anhy _____ 1358	T. Canyon _____
T. Salt _____ 1480	T. Strawn _____
B. Salt _____ 2793	T. Atoka _____
T. Yates _____ 3036	T. Miss _____
T. 7 Rivers _____ 3505	T. Devonian _____
T. Queen _____ 4192	T. Silurian _____
T. Grayburg _____ 4798	T. Montoya _____
T. San Andres _____	T. Simpson _____
T. Glorieta _____	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinebry _____	T. Gr. Wash _____
T. Tubb _____	T. Delaware Sand _____
T. Drinkard _____	T. Bone Springs _____
T. Abo _____	T. _____
T. Wolfcamp _____	T. _____
T. Penn _____	T. _____
T. Cisco (Bough C) _____	T. _____

Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Otzte _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ 4421 to _____ 4432	No. 3, from _____ 4948 to _____ 4955
No. 2, from _____ 4500 to _____ 4504	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	_____ feet
No. 2, from _____ to _____ feet	_____ feet
No. 3, from _____ to _____ feet	_____ feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	167	167	Dune Sand				
167	516	349	Sand, Silt, Sh				
516	1358	842	Sd , Dolo, Sh, Clay Silt				
1358	1480	122	Anhy				
1480	2793	1313	Salt & shale				
2793	3036	243	Anhy				
3036	3505	469	Anhy, dolo & sd				
3505	3878	373	Anhy & dolo				
3878	4192	314	Dolo, Anhy & sd				
4192	5118	926	Sand & dolo				

JUL 09 1991