



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONY ANAYA
GOVERNOR

October 28, 1986

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Happy Oil Company
P.O. Drawer 770
Artesia, New Mexico 88210
Attention: Diana Klantz

Re: Administrative Order NFL-138

Dear Ms. Klantz:

Reference is made to your application for an Infill Well Finding and Well-Spacing Waiver made pursuant to Section 271.305(b) of the Federal Energy Regulatory Commission regulations, Natural Gas Policy Act of 1978, and Oil Conservation Division Order No. R-6013 for the following described well:

Toomey Allen Well No. 10, Located
330 feet from the South line and 990
feet from the East line of Section 28,
Township 18 South, Range 28 East, NMPM,
Eddy County, New Mexico.

THE DIVISION FINDS THAT:

(1) Section 271.305(b) of the Federal Energy Regulatory Commission Interim Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find, prior to the commencement of drilling, that the well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit, and must grant a waiver of existing well-spacing requirements.

(2) By Division Order No. R-6013, dated June 7, 1979, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.

(3) The well for which a finding is sought is to be completed in the Artesia Queen Grayburg San Andres Pool, and the standard spacing unit in said pool is 40 acres.

1941-1942
1943-1944

1. The first part of the report deals with the general situation in the country during the year 1941-1942.

2. The second part of the report deals with the general situation in the country during the year 1943-1944.

3. The third part of the report deals with the general situation in the country during the year 1945-1946.

4. The fourth part of the report deals with the general situation in the country during the year 1947-1948.

5. The fifth part of the report deals with the general situation in the country during the year 1949-1950.

6. The sixth part of the report deals with the general situation in the country during the year 1951-1952.

7. The seventh part of the report deals with the general situation in the country during the year 1953-1954.

8. The eighth part of the report deals with the general situation in the country during the year 1955-1956.

9. The ninth part of the report deals with the general situation in the country during the year 1957-1958.

10. The tenth part of the report deals with the general situation in the country during the year 1959-1960.

11. The eleventh part of the report deals with the general situation in the country during the year 1961-1962.

12. The twelfth part of the report deals with the general situation in the country during the year 1963-1964.

13. The thirteenth part of the report deals with the general situation in the country during the year 1965-1966.

14. The fourteenth part of the report deals with the general situation in the country during the year 1967-1968.

15. The fifteenth part of the report deals with the general situation in the country during the year 1969-1970.

16. The sixteenth part of the report deals with the general situation in the country during the year 1971-1972.

17. The seventeenth part of the report deals with the general situation in the country during the year 1973-1974.

18. The eighteenth part of the report deals with the general situation in the country during the year 1975-1976.

19. The nineteenth part of the report deals with the general situation in the country during the year 1977-1978.

20. The twentieth part of the report deals with the general situation in the country during the year 1979-1980.

21. The twenty-first part of the report deals with the general situation in the country during the year 1981-1982.

22. The twenty-second part of the report deals with the general situation in the country during the year 1983-1984.

23. The twenty-third part of the report deals with the general situation in the country during the year 1985-1986.

24. The twenty-fourth part of the report deals with the general situation in the country during the year 1987-1988.

25. The twenty-fifth part of the report deals with the general situation in the country during the year 1989-1990.

26. The twenty-sixth part of the report deals with the general situation in the country during the year 1991-1992.

27. The twenty-seventh part of the report deals with the general situation in the country during the year 1993-1994.

28. The twenty-eighth part of the report deals with the general situation in the country during the year 1995-1996.

29. The twenty-ninth part of the report deals with the general situation in the country during the year 1997-1998.

30. The thirtieth part of the report deals with the general situation in the country during the year 1999-2000.

31. The thirty-first part of the report deals with the general situation in the country during the year 2001-2002.

32. The thirty-second part of the report deals with the general situation in the country during the year 2003-2004.

33. The thirty-third part of the report deals with the general situation in the country during the year 2005-2006.

34. The thirty-fourth part of the report deals with the general situation in the country during the year 2007-2008.

35. The thirty-fifth part of the report deals with the general situation in the country during the year 2009-2010.

36. The thirty-sixth part of the report deals with the general situation in the country during the year 2011-2012.

37. The thirty-seventh part of the report deals with the general situation in the country during the year 2013-2014.

38. The thirty-eighth part of the report deals with the general situation in the country during the year 2015-2016.

39. The thirty-ninth part of the report deals with the general situation in the country during the year 2017-2018.

40. The fortieth part of the report deals with the general situation in the country during the year 2019-2020.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SE

Subject Well Toomey Allen #10

Operator Collier

Location 330'FSL & 990'FEL, Sec.28,T-18S,R-28E

Spud Date 9/25/8

Formation Artesia Grayburg San Andres

Completion Depth

Date First Sales

Discussion Of The Subject Well

The Collier Energy Toomey Allen #10 was completed 10/29/82 with perforations of per foot, in the Loco Hills sand of the Grayburg. The Toomey Allen #10 was drilled in Toomey Allen #9. Using information from the #9 well and adding that to information from #10, it is all that is drained.

The Toomey Allen #9 has produced 98,000 bbls of 36 gravity oil. Assuming 95% depletion, expect a total of 103,157 bbls/oil. The Artesia field is presently under flood giving a recovery factor. Using log and initial production information from the Toomey Allen #10: such as water saturation - 30%, GOR - 555, BHT - 100, a formation volume factor can be backed out in tank barrels. Using a reserve calculation equation: $A = (N \times BO) / (7758 \times H \times \phi \times (1 - SW))$

Where: N= original oil in place (STB)

A= acres drained

H= net feet of pay

ϕ = porosity (log)


SW= average water saturation

BO= formation volume factor

Therefore 11.4 acres are drained in the Artesia Field area.

STATE OF NEW MEXICO)
 : ss.
COUNTY OF EDDY)

The foregoing was acknowledged before me this 16th day
of August, 1983, by DONALD G. BECKER, JR.


Notary Public

My Commission Expires:

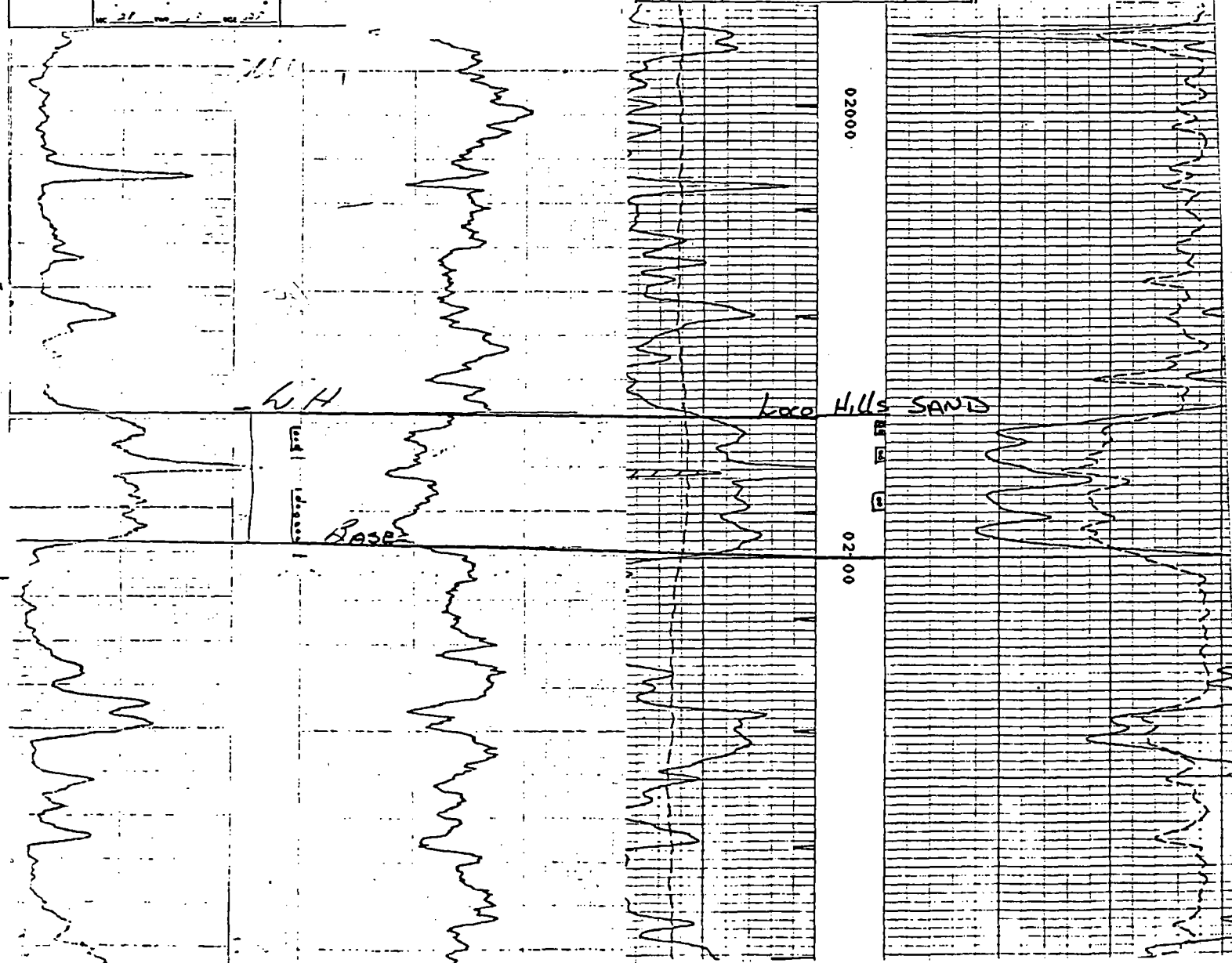
March 29, 1986

FIELD NO. _____
 COMPANY CHESAPEAKE
 WELL CHESAPEAKE 9
 FIELD CHESAPEAKE
 COUNTY CHESAPEAKE STATE VA
 LOCATION 56156
 SEC. 21 TWP. 12 RGE. 22

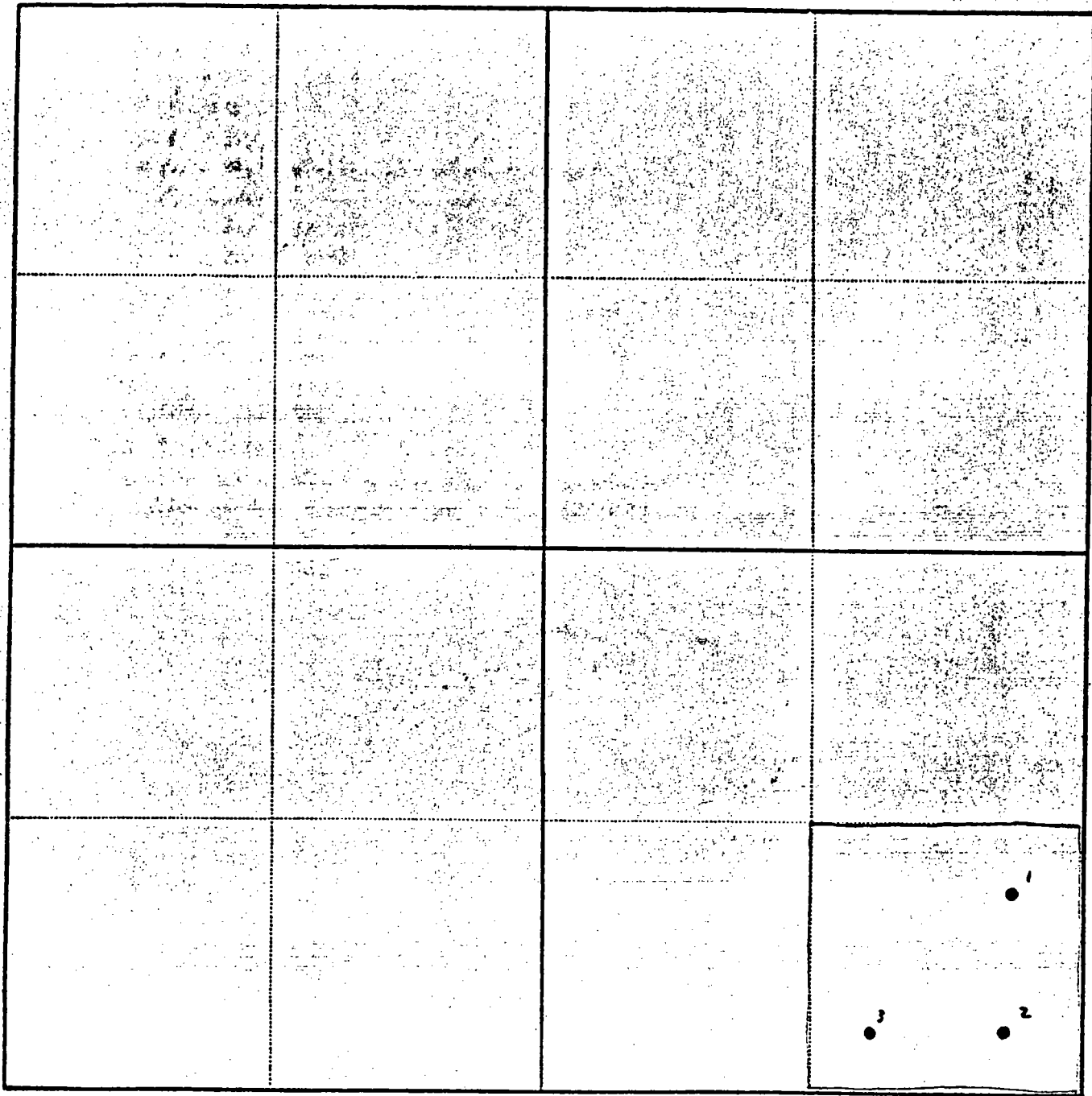
Dresser Atlas
 Compensated **Densilog**
 Compensated **Neutron**
Gamma Ray

COMPANY CHESAPEAKE
 WELL CHESAPEAKE 9
 FIELD CHESAPEAKE
 COUNTY CHESAPEAKE STATE VA
 LOCATION 56156
 SEC. 21 TWP. 12 RGE. 22

Other Services
 DLS WELL
 PROLOG



Sec. 28 Township No. 18 South of Range No. 28 East,
N.M.P.M., Eddy County, New Mexico.



1) Collier Energy, Inc.

Toomey Allen Well No. 9

990' FSL - 330' FEL

Artesia Green Grayburg San Andres completion

Spud: 7/28/48

Cumulative production as of 12/31/83:

Gas - 57097 MCF

Oil - 10384.4 B.O.

(2) Collier Energy, Inc.

Toomey Allen Well No. 10

330' FSL - 990' FEL

Spud: 7/25/82

Artesia Queen Grayberg San Andres completion

Cumulative Production as of 12/31/83:

Gas - 10257

Oil - 8125

(3) Collier Energy, Inc.

Toomey Allen Well No. 11

330' FSL - 380' FEL

Spud: 5/26/83

Artesia Queen Grayberg San Andres completion

Cumulative Production as of 12/31/83:

Gas - 8076

Oil - 6311