



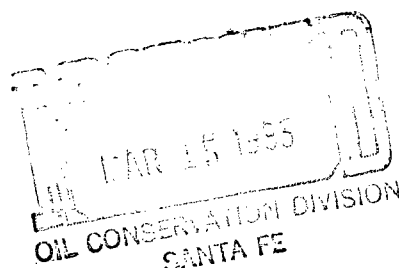
Donald W. Johnson
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
P.O. Box 460
726 East Michigan
Hobbs, NM 88240
(505) 393-4141

March 12, 1985

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 88501

Attention Mr. Gilbert Quintana



Application to Downhole Commingle State 35 No. 1, Unit P, Section 35, T-20S
R-37E, Lea County, New Mexico

Conoco Inc. respectfully requests an exception to Division Rule 303-A to allow downhole commingling of the Abo and Strawn Oil and Gas zones in the subject well. Additional data relative to this commingling is listed below.

1. A lease plat is attached.
2. C-116's are included providing recent tests for each zone.
3. Because this is a newly completed well, we are submitting a State Well Completion Report for each zone in lieu of decline curves.
4. Shut-in bottom-hole pressures are 536 psi for the Abo and 419 psi for the Strawn.
5. Quality of the crude is virtually identical and commingling will not reduce the commercial value. The value of the crude is as follows:

<u>Zone</u>	<u>Gravity</u>	<u>Value for Barrel</u>
Abo	39.3°	\$25.20
Strawn	39.2°	\$25.20

6. The following allocation percentages are suggested based on the ratio of production from each zone:

	<u>Oil</u>	<u>Gas</u>	<u>Water</u>
Abo	46%	51%	84%
Strawn	54%	49%	16%

7. By copy of this letter, we are notifying the Commissioner of Public Lands and all offset operators of the proposed commingling (see attached address list).

New Mexico Oil Conservation Division

Page 2

March 12, 1985

The well is currently shut-in and will remain so until the approval to downhole commingle is received. Conoco is in danger of losing this lease if the well is shut-in for more than 60 days; thus, your prompt response would be appreciated.

Yours very truly,

A handwritten signature in cursive script, appearing to read "RCB:jr", with a long horizontal flourish extending to the right.

RCB:jr

cc: NMOCD-Hobbs

New Mexico Commissioner of Public Lands

Conoco Inc.
State 35 No. 1
Offset Operator List

Estoril Producing Corp.
11th Floor Vaughn Bldg.
Midland, TX 79701

Gulf Oil Exploration & Production Company
P. O. Box 1150
Midland, TX 79702

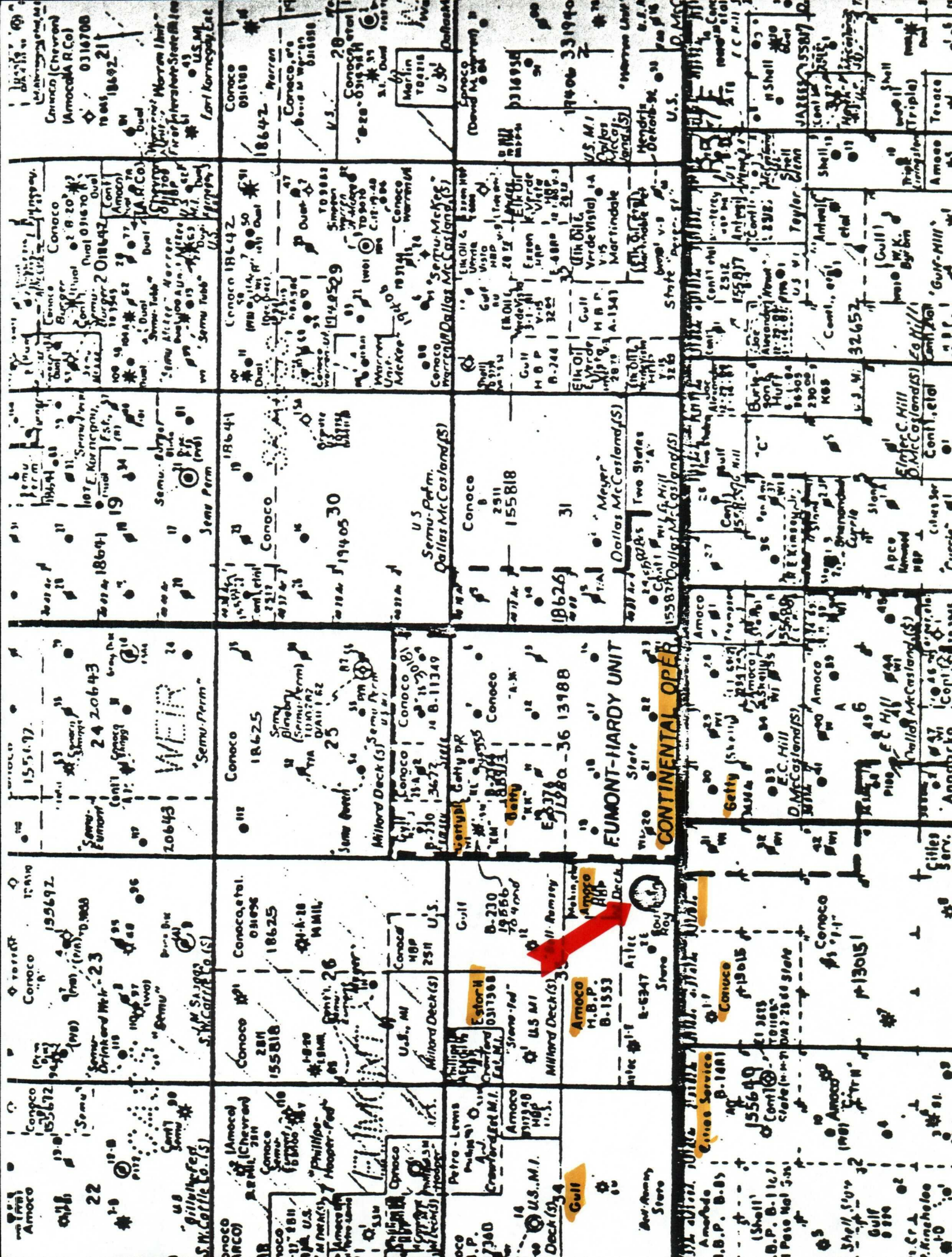
Amoco Production Company
P. O. Box 68
Hobbs, NM 88240

Southland Royalty Company
21 Desta Drive
Midland, TX 79701

Cities Service Oil & Gas Corp.
P. O. Box 1919
Midland, TX 79702

Phillips Petroleum Company
4001 Penbrook
Odessa, TX 79762

Getty Oil Company
P. O. Box 1231
Midland, TX 79702



C-116
Revised 1-1-65

(Date)

C-116
Revised 1-1-65

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

David J. Smiley
(Signature)

Administrative Supervisor

3-8-85

(Date)

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.O.S.		
LAND OFFICE		
OPERATOR		

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State ☒ Fee ☐

E-6347

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						7. Unit Agreement Name _____									
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						8. Farm or Lease Name State 35									
2. Name of Operator CONOCO INC.						9. Well No. 1									
3. Address of Operator P. O. Box 460, Hobbs, N.M. 88240						10. Field and Pool, or Wildcat Undesignated Abo									
4. Location of Well UNIT LETTER P LOCATED 660 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 35 TWP. 20S RGE. 37E NMPM						12. County Lea									
15. Date Spudded 9-13-84		16. Date T.D. Reached 10-24-84		17. Date Compl. (Ready to Prod.) 1-8-85		18. Elevations (DF, RKB, RT, GR, etc.) 3471' GR		19. Elev. Casinghead _____							
20. Total Depth 8000'		21. Plug Back T.D. 7953'		22. If Multiple Compl., How Many 2		23. Intervals Drilled By All		Rotary Tools None							
24. Producing Interval(s), of this completion - Top, Bottom, Name 7485'-7570'; 7305'-7449'; 7175'-7273'; 6959'-7151' Abo								25. Was Directional Survey Made Yes							
26. Type Electric and Other Logs Run GR-BHC-Sonic-CAL; DDL-MSFL-GR; CNL-LDT-GR; CCL-GR								27. Was Well Cored Yes							
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
13 3/8"		54.5*		1313'		17 1/2"		1025 sx		386 sx (circ)					
9 5/8"		40**		3960'		12 1/4"		1750 sx (in 2 stages)		236 sx (circ)					
29. LINER RECORD												30. TUBING RECORD			
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET	
7"		3690'		8000'		975 sx				2 7/8"		7858'			
31. Perforation Record (Interval, size and number) see attachment						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED							
						6959'-7151'		72 bbls 28% HCL-NE-FE							
						7175'-7273'		51 bbls 20% HCL-NE-FE							
						7305'-7449'		61 bbls 28% HCL-NE-FE							
						7485'-7570'		72 bbls 28% HCL-NE-FE							
33. PRODUCTION															
Date First Production 1/8/85				Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping Unit						Well Status (Prod. or Shut-in) Prod.					
Date of Test 1/27/85		Hours Tested 24		Choke Size —		Prod'n. For Test Period 14		Oil - Bbl. 4		Gas - MCF 42		Water - Bbl. 15		Gas - Oil Ratio 3000	
Flow Tubing Press. —		Casing Pressure —		Calculated 24-Hour Rate 14		Oil - Bbl. 4		Gas - MCF 42		Water - Bbl. 15		Oil Gravity - API (Corr.) 39.3° @ 60°F			
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented												Test Witnessed By Jackie Spurlock			
35. List of Attachments															
36. 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.															
SIGNED David S. Smylie						TITLE Representative Supervisor						DATE 2/27/85			

State 35 No. 1 (cont'd)

31. Perforation Record

2 JSPF @ 7485', 96', 7500', 13', 24', 36', 39', 52', 63', 66', & 70' for total of 22 holes.

2 JSPF @ 7175', 78', 86', 91', 95', 7202', 08', 14', 19', 24', 30', 39', 51', 58', 68', & 7273' for total of 32 holes.

2 JSPF @ 7305', 35', 41', 52', 56', 60', 65', 71', 76', 80', 88', 96', 7400', 19', 32', 38', & 7449' for total of 34 holes.

2 JSPF @ 6959', 63', 65', 84', 99', 7002', 7027', 31', 42', 45', 49', 53', 59', 67', 71', 81', 85', 7105', 13', 24', 39', 48', 47', & 7151' for total of 48 holes.

Total holes: 136

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 30 through 34 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

Northwestern New Mexico

T. Anhy	1260	T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt	1390	T. Strawn	7613	T. Kirtland-Fruitland		T. Penn. "C"	
D. Salt	2528	T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates	2672	T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers	2936	T. Devonian		T. Menefee		T. Madison	
T. Queen	3458	T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg	3732	T. Montoya		T. Mancos		T. McCracken	
T. San Andres	4002	T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta	5199	T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinbry	5761	T. Gr. Wash		T. Morrison		T.	
T. Tubb	6318	T. Granite		T. Todilto		T.	
T. Drinkard	6656	T. Delaware Sand		T. Entrada		T.	
T. Abo	6918	T. Bone Springs		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. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 7618 to 7829 feet

No. 2, from to feet

No. 3, from to feet

No. 4, from to feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1260	1390	130	Rustler-Anhydrite				
1390	2528	1138	Salado-Salt				
2528	2672	144	Tansill-Dolo				
2672	2936	264	Yates-Sandstone				
2936	3458	522	Seven Rivers-Sandstone				
3458	3566	108	Queen-Sandstone				
3566	3732	166	Penrose-Dolo & Sg				
3732	4002	270	Grayburg-Dolo				
4002	5199	1197	San Andres-Dolo				
5199	5761	562	Glorietta-Dolo & Ss				
5761	6318	557	Blinberry-Dolo				
6318	6656	338	Tubb-Dolo				
6656	6918	262	Drinkard-Dolo				
6918	7613	695	Abco-Dolo				
7613	8000	387+	Strawn-Limestone				
	TD						

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-105
Revised 10-1-78

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
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SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.

E-6347

7. Unit Agreement Name

8. Farm or Lease Name

State 35

9. Well No.

1

10. Field and Pool, or Wildcat

Undesignated Strawn

12. County

Lea

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

CONOCO INC.

3. Address of Operator

P. O. Box 460, Hobbs, N.M. 88240

4. Location of Well

UNIT LETTER P LOCATED 660 FEET FROM THE South LINE AND 660 FEET FROM

THE East LINE OF SEC. 35 TWP. 20S RGE. 37E NMPM

15. Date Spudded

9-13-84

16. Date T.D. Reached

10-24-84

17. Date Compl. (Ready to Prod.)

11-15-84

18. Elevations (DF, RKB, RT, GR, etc.)

3471' GR

19. Elev. Casinghead

—

20. Total Depth

8000'

21. Plug Back T.D.

7953'

22. If Multiple Compl., How Many

2

23. Intervals Drilled By

Rotary Tools

All

Cable Tools

None

24. Producing Interval(s), of this completion — Top, Bottom, Name

7619'-7823'

Strawn

25. Was Directional Survey Made

Yes

26. Type Electric and Other Logs Run

GR-BHC-Sonic-CAL; DDL-MSFL-GR; CNL-LDT-GR; CCL-GR

27. Was Well Cored

Yes

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5 #	1313'	17 1/2"	1025 SX	386 SX (CIRC)
9 5/8"	40 #	3960'	12 1/4"	1750 SX (in 2 stages)	236 SX (CIRC)

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
7"	3690'	8000'	975 SX	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	7858'	

31. Perforation Record (Interval, size and number)

7619', 23', 27', 41', 51', 54' & 7692'

7715', 19', 23', 27', 51', 88' & 7823'

Total 14 shots

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7619'-7823'	84 bbls. 15% HCL-NE-FE; 63 bbls 2% KCL TPW; Frac'd w/ 78 bbls gelled fluid pad, 101 bbls 28% HCL-NE-FE, 124 bbls gelled fluid flush

33. PRODUCTION

Date First Production 11-15-84	Production Method (Flowing, gas lift, pumping — Size and type pump) Pumping Unit	Well Status (Prod. or Shut-in) Shut-in
Date of Test 12/15/84	Hours Tested 24	Choke Size —
Prod'n. For Test Period →	Oil — Bbl. 17	Gas — MCF 45
Flow Tubing Press.	Casing Pressure —	Water — Bbl. 0
Calculated 24-Hour Rate →	Oil — Bbl. 17	Gas — MCF 45
	Water — Bbl. 0	Oil Gravity — API (Corr.) 39.2° @ 60°F

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

Vented

Test Witnessed By

Jackie Spurlock

35. List of Attachments

36. 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.

SIGNED

David S. Smyth

TITLE

Administrative Supervisor

DATE 2/27/85

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 30 through 34 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

Northwestern New Mexico

T. Anhy <u>1260</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>1390</u>	T. Strawn <u>7613</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>2528</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2672</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>2936</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>3458</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg <u>3732</u>	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4002</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>5199</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry <u>5761</u>	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>6318</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard <u>6656</u>	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>6918</u>	T. Bone Springs _____	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. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from <u>7618</u> to <u>7829</u> feet	_____
No. 2, from _____ to _____ feet	_____
No. 3, from _____ to _____ feet	_____
No. 4, from _____ to _____ feet	_____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1260	1390	130	Rustler-Anhydrite				
1390	2528	1138	Salado-Salt				
2528	2672	144	Tansill-Dolo				
2672	2936	264	Yates-Sandstone				
2936	3458	522	Seven Rivers-Sandstone				
3458	3566	108	Queen-Sandstone				
3566	3732	166	Penrose-Dolo & Sg				
3732	4002	270	Grayburg-Dolomite				
4002	5199	1197	San Andres-Dolomite				
5199	5761	562	Glorieta-Dolo & Ss				
5761	6318	557	Blinebry-Dolo				
6318	6656	338	Tubb-Dolo				
6656	6918	262	Drinkard-Dolo				
6918	7613	695	Abo-Dolo				
7613	8000	387+	Strawn-Limestone				
	TD						