



Amoco Production Company (USA)

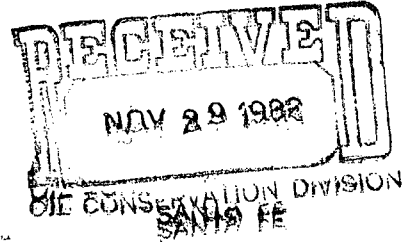
Post Office Box 68
Hobbs, New Mexico 88240

S. J. Okerson
District Superintendent

November 17, 1982

File: SJ0-1557-WF

Re: Application to Wellbore Commingle
Southland Royalty "A" No. 5
Drinkard and Blinebry Oil and Gas Pools
Lea County, New Mexico



State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

Gentlemen:

Approval is hereby requested to downhole commingle the Southland Royalty "A" No. 5 in accordance with NMOCD Rule 303-C.

This well is located 660' FEL x 1980' FSL, Section 4, T-21-S, R-37-E, Lea County, New Mexico. These two zones were previously commingled until the Blinebry was reclassified as a gas well August 8, 1973. The Blinebry zone ceased to flow and was shut-in November 1979. The Drinkard zone has been shut-in since June 22, 1981. Both zones will have to be artificially lifted. Commingling these zones will be the only feasible way to produce this well economically. Attached is a map showing the subject well and the offset operators.

In support of our request, we submit the following facts:

1. The latest productivity tests are as follows:

	Date	BOPD	BWPD	MCFPD	Perforations
Blinebry	7-4-79	5	1	406	5684'-5898'
Drinkard	4-10-81	4	0	101	6538'-6670'

Copies of the C-116's are attached.

2. Neither zone produces more water than the combined oil limit as determined in Rule 303 Paragraph C.

3. Fluid characteristics are compatible in the wellbore. As mentioned earlier, these zones were previously commingled.
4. Commingling of the Drinkard and Blinebry will not jeopardize the efficiency of future secondary recovery operations in either zone.
5. Crude oils on the Southland Royalty lease are commingled into a common tank battery and sold in mixed streams. No depreciation of value will occur from downhole commingling.
6. Expected daily production from the commingled zones are as follows:

	<u>Blinebry</u>	<u>Drinkard</u>	<u>Commingled</u>
Oil	7	4	11
Water	1	0	1
Gas	400	100	500

7. Estimated bottom hole pressures are:

Blinebry	670 psi at 5800'
Drinkard	900 psi at 6600'

8. Both zones to be commingled have common ownership.
9. Recommended oil and gas allotments are as follows:

	<u>Oil</u>	<u>Gas</u>
Blinebry	64%	80%
Drinkard	36%	20%

10. All offset operators have been notified by registered mail.
11. Other supporting data attached are production decline curves, gas oil ratio tests for both zones and a list of offset operators.

If additional information is required, contact Charles Herring at 393-1781.

Yours very truly,



Attachments

Texaco, Inc.
Box 3109
Midland, TX 79702

Shell Oil Company
Box 576, Woodcreek
Houston, TX 77001

Gulf Oil Exploration and Production Company
Box 1150
Gulf Bldg.
Midland, TX 79702

Dallas McCasland
Box 206
Eunice, NM 88231

GAS-OIL RATIO TESTS

Operator Amoco Production Company	Pool Blinebry Oil & Gas - Gas	County Lea													
Address P. O. Box 68, Hobbs, NM 88240		TYPE OF TEST - (X)													
LEASE NAME		Scheduled ☒ Special ☐													
WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU. FT./BBL.	
	U	S	T	R						WATER BBL'S	GRAV. OIL	OIL BBL'S	GAS M.C.F.		
Southland Royalty A	5	Q	4	21	37	7-4-79	F	48/64	150	Gas Well 24	1	-	5	406	81200
Southland Royalty A	6	H	9	21	37	7-3-79	F	-	-	Gas Well 24	1	-	5	337	67400
State CK	3	N	19	21	37	7-3-79	F	-	90	Gas Well 24	0	-	0	272	-
State C Tr. 13	5	E	36	21	37	7-3-79	F	-	180	Gas Well 24	1	-	1	1535	153500
Owen B	4	N	34	21	37	7-4-79	F	-	200	Gas Well 24	5	-	2	1408	704000
State C Tr. 12	4	F	16	21	37	7-4-79	F	-	-	Gas Well 24	1	-	6	660	110000
Turner	3	P	29	21	37	7-4-79	F	-	90	Gas Well 24	0	-	0	20	-

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 allowable when authorized by the Division.
Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Gas-oil gravity base will be 0.60.

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

Well original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 331 and applicable pool rules.

0+2-NMOC.D.H

1-File 533.11

1-DRE

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

Deanna Green
(Signature)
Asst. Administrative Analyst

10-3-79
(Date)

GAS-OIL RATIO TESTS

Operator		Pool		County										
Amoco Production Company		Drinkard		Lea										
Address P. O. Box 68, Hobbs, NM 88240		TYPE OF TEST - (X)		Scheduled ☒ Special ☐										
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TSQ. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS OIL RATIO CUB. FT. PER BBL.
		U	S	T	R						WATER BBL.	GRAV. OIL BBL.	OIL BBL.	
Grizzell B	4	G	8	22	37	3-7-81	P	50	9	24	17	9	132	14667
Grizzell Deep	2	L	5	22	37	3-13-81	P	55	5	24	5	7	26	3714
Southland Royalty A	1	G	9	21	37	4-28-81	F	105	5	24	2	37	290	72500
Southland Royalty A	2	B	9	21	37	4-24-81		---	3	24	2	2	26	13000
State C Tract 12	5	Q	4	21	37	4-10-81	F	60	6	24	0	4	101	25250
State C Tract 12	4	F	16	21	37	4-7-81	F	100	5	24	0	9	338	37556
State C Tract 12	6Y	C	16	21	37	4-7-81	F	100	3	24	1	38	28	14000
State CK	1	N	19	21	37	4-6-81	O	70	20	24	2	18	128	6476
State CK	2	K	19	21	37	4-24-81	SI	0	0	0	0	0	0	0
Owen B	1	M	34	21	37	4-26-81	SI	Not enough pressure to send thru sales line						0
Pike Federal	1	A	6	23	38	4-24-81	SI	0	0	0	0	0	0	0
Southland Royalty A	4	X	4	21	37	4-27-81	F	118	3	24	2	38	6	154
Southland Royalty A	6	H	9	21	37	4-22-81	F	45	4	24	0	5	14	2800

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 Division.

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 line of tubing pressure for any well producing through casing.

Well original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 331 and appropriate pool rules.

0+2-NMOCDD, H 1-File 533.11

1-Susp

1-DMP

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

Bob Davis

(Signature)

Admin. Analyst (SG)

(Title)

5-15-81

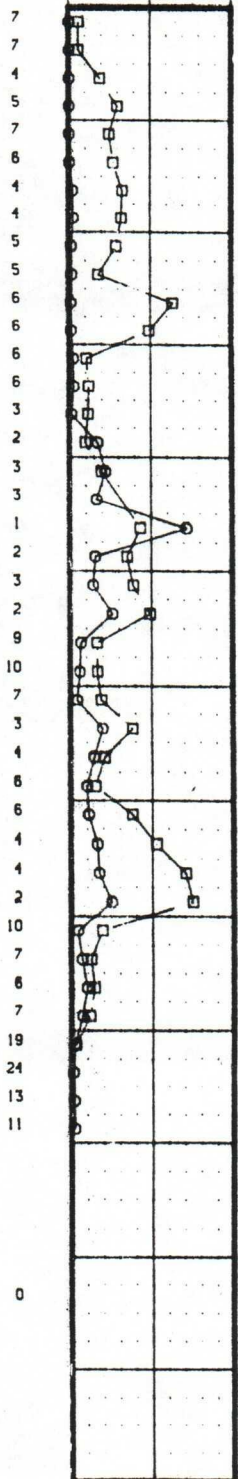


OIL INDUSTRY PRODUCTION DATA RATE-TIME PLOTS

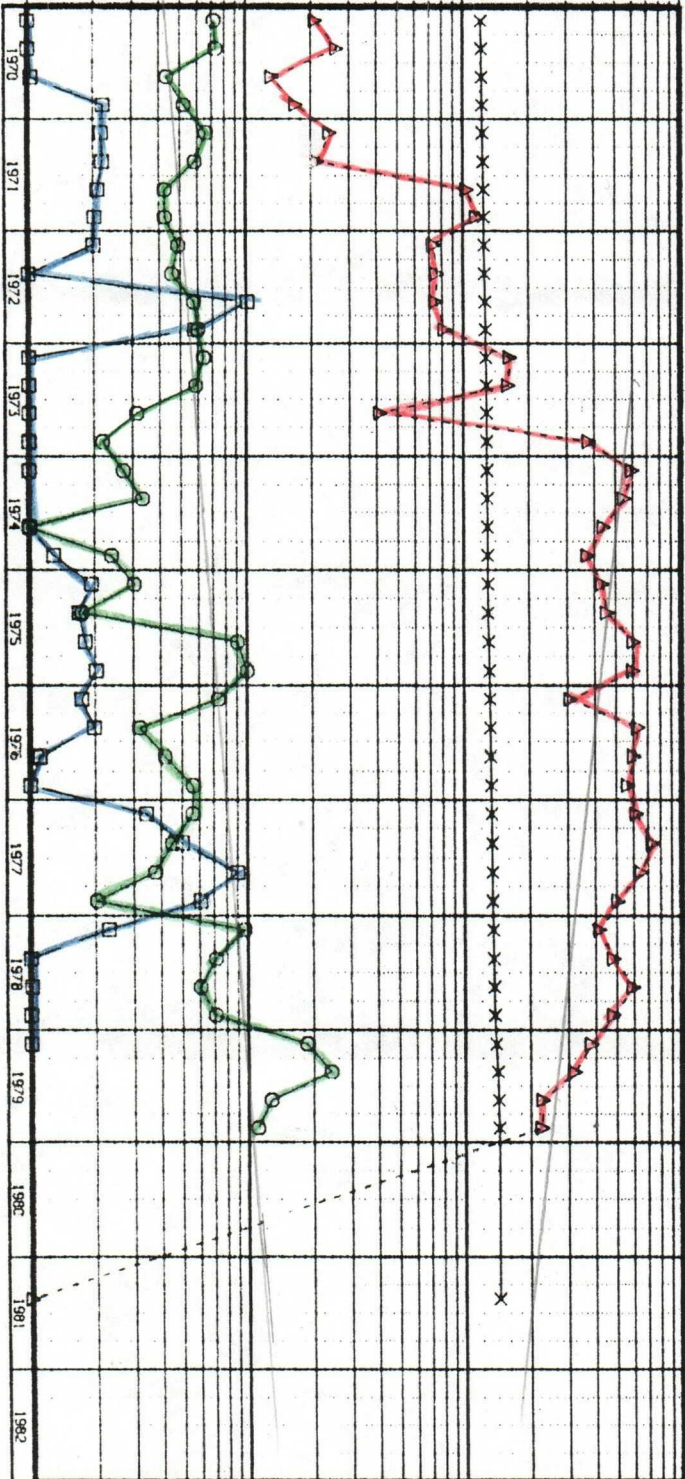
WELL: SOUTHLAND ROYALTY A 000005 API NO: 300250639700
 FIELD: BLINERY OIL AND GAS 008007400 PERFS:
 OPERATOR: AMOCO PRODUCTION CO 019922 COMP DATE:
 STATE: NM 30 COUNTY: LEA 025 GENID: 4W407713
 FIRST PROD LAST PROD 79 12 RESERVOIR:
 REQUESTOR: PSC -HOB-05 LOCATION: HOBBS MAJOR PROD CUM: 143,170

PERCENT BSW
 0 50 100
 FTP IN PSIG
 0 50 100
 GOR - CFPB
 0 500000 1000000

MAJOR PRODUCT



CUM OIL PROD - BBL
 1000 10000 100000 1000000
 GROSS WATER PROD - BWPD
 10 100 1000
 GROSS GAS PROD - MCFD
 10 100 1000
 GROSS OIL PROD - BOPD
 10 100 1000



1982-08-20

TIME

REPORT NUMBER 321

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

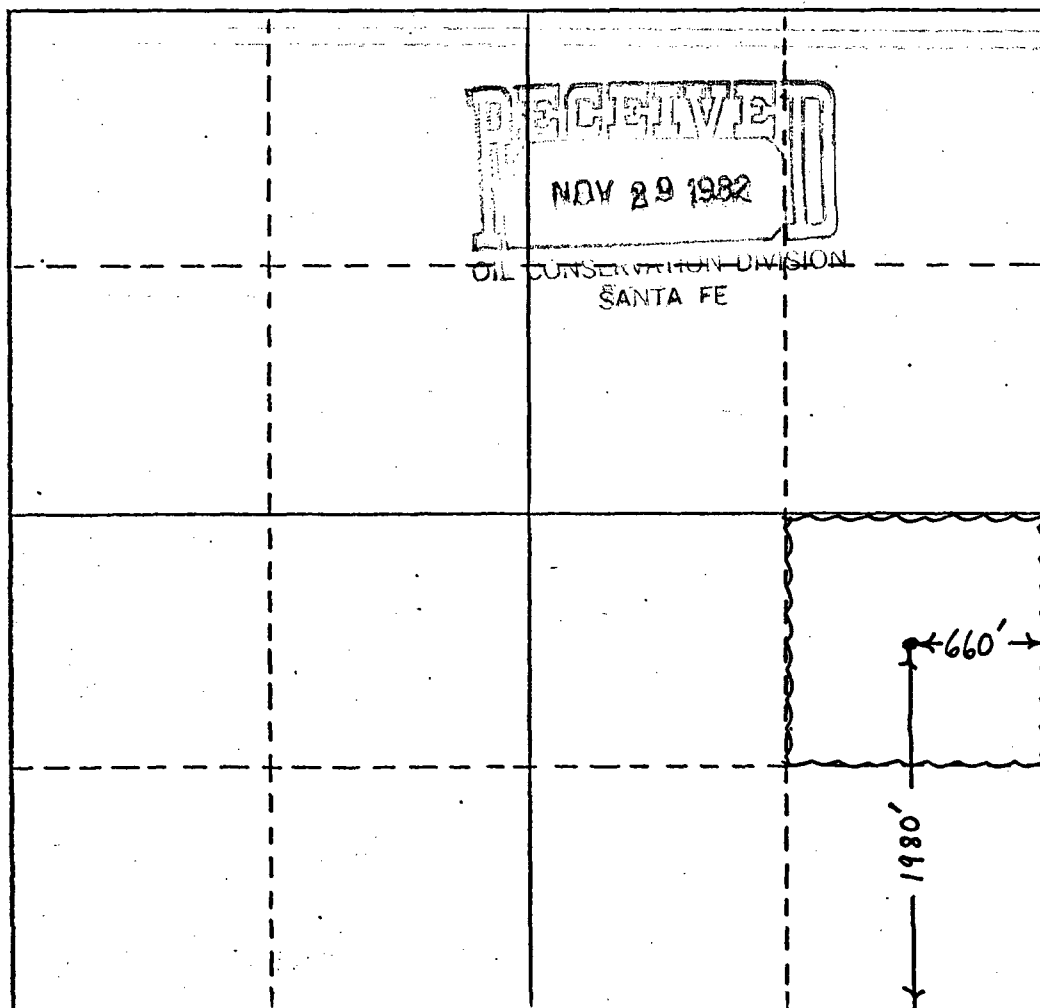
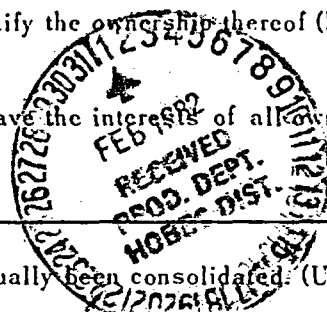
Operator Amoco Production Company			Lease Southland Royalty A		Well No. 5
Unit Letter Q	Section 4	Township 21-S	Range 37-E	County Lea	
Actual Footage Location of Well: 660 feet from the East line and 1980 feet from the South line Ground Level Elev. 3483 RDB Producing Formation Drinkard Pool Drinkard Dedicated Acreage: 40 Acres					

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

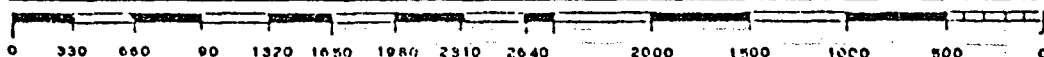
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Mark Freeman
 Position Assist. Admin. Analyst
 Company Amoco Production Company
 Date 1-25-82

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____
 Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____



MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

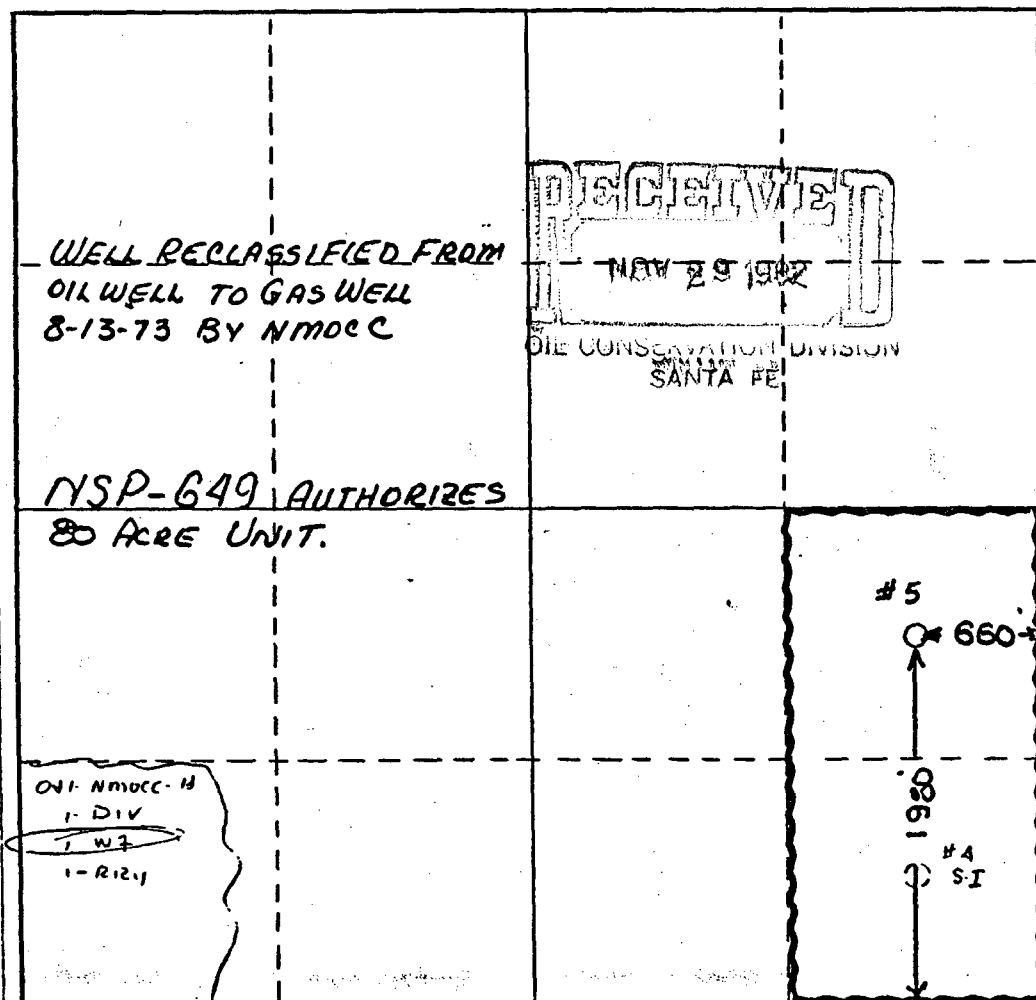
Owner Amoco Production Company			Lease SOUTHLAND ROYALTY A		W. 5
Section Q	Section 4	Township 21-S	Range 37-E	County LEA	
Actual Section Location of Well:					
1980 feet from the SOUTH		line and	660 feet from the EAST		Line
Ground Level Elev. 3483 RD13	Producing Formation BLINEBRY	Pool BLINEBRY-GAS	Dedicated Acreage 80		Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name _____
 Position **AREA ENGINEER**
 Company **Amoco Production Company**

Date **10-11-73**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____
 Registered Professional Engineer and/or Land Surveyor

Certificate No. _____

