

Release Date: Oct 20, 1987



Amoco Production Company

2325 East 30th
Farmington, New Mexico 87401
505-325-8841

R. J. Broussard
District Manager

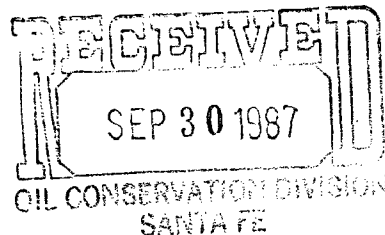
August 17, 1987

New Mexico Oil Conservation Division
Attn: David Catanach
P. O. Box 2088
Santa Fe, NM 87501

File: CBD-38-400

Dear Mr. Catanach:

Commingling Application
G. L. Davies No. 1E
Sec. 27, T28N, R13W
San Juan County, New Mexico



Amoco Production Company requests approval to commingle production from the Amarillo Gallup and Basin Dakota horizons in the subject well. Commingling is requested for these reasons:

- 1) The 4-1/2" casing is too small for dual strings of tubing.
- 2) The Gallup horizon needs a pump and tubing to enable production. The only feasible way to produce Gallup reserves is through commingling.
- 3) Commingling should not significantly reduce the Dakota reserves.

The working interest and royalty of both zones are the same. The bottom hole pressure of the lower zone is not less than 50 percent of the bottom hole pressure of the higher pressure zone adjusted to a common datum. Formation fluids are compatible.

In compliance with Rule 303C, we have attached two copies of the following:

- 1) Acreage plat indicating ownership of offset leases
- 2) Well completion reports
- 3) Bottom hole pressures
- 4) Approved allocation formula
- 5) Copy of notification to offset operators
- 6) Initial potential test information

Page 2
File: CBD-38-400
August 17, 1987

No production history has been established for the well, therefore we are unable to provide production decline curves.

Thank you for your earliest attention to this application.

Sincerely,

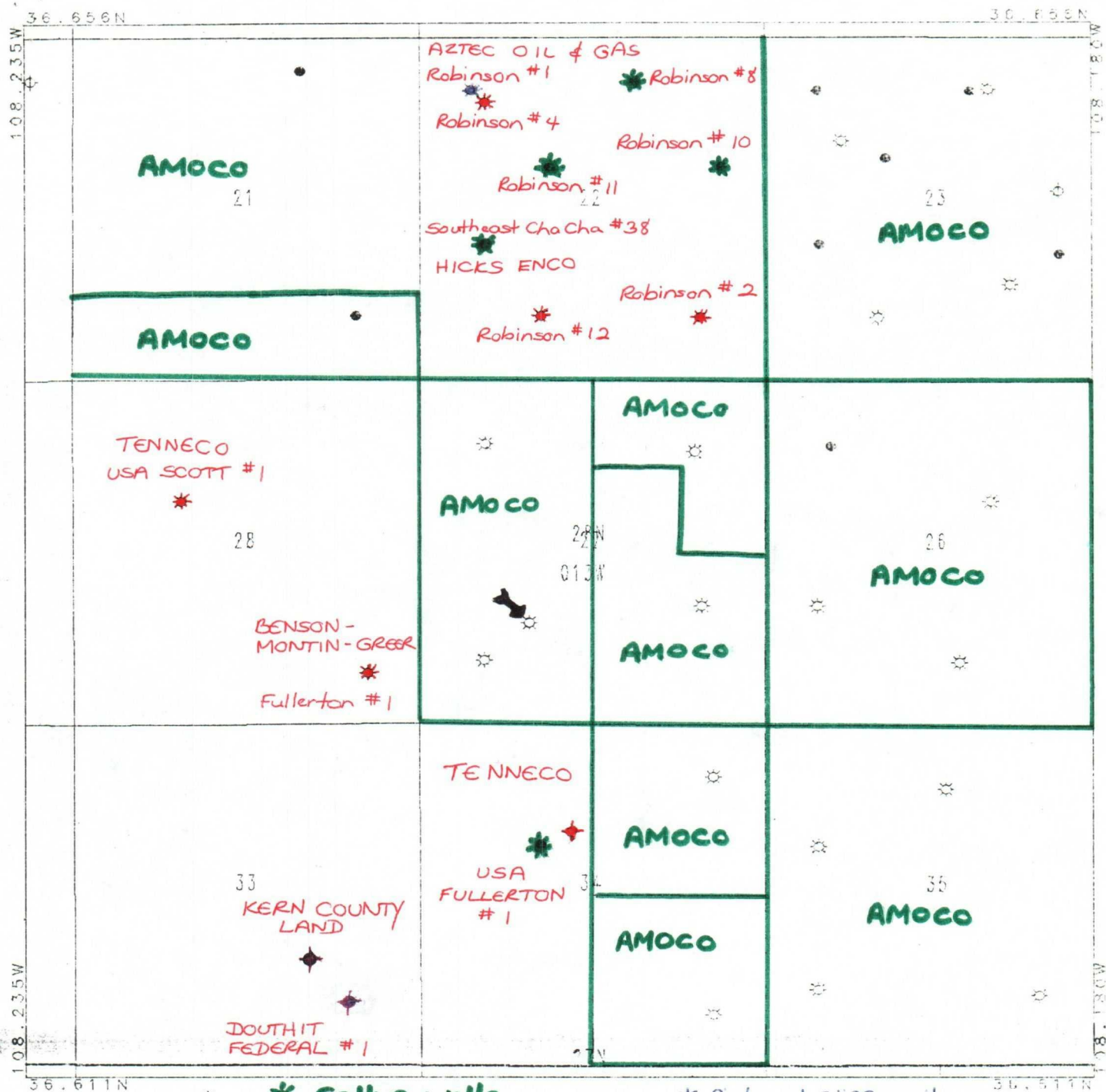
R S Broussard

SKB/ct

Attachments

cc: New Mexico Oil Conservation Division
Attn: Mr. Frank Chavez
1000 Rio Brazos Road
Aztec, NM 87410

W4



* Gallup wells

* Drilled and abandoned

* Dakota wells

* Pictured Cliff wells

AMOCO PRODUCTION COMPANY
G. L. DAVIES #1E
OFFSETTING LEASEHOLDERS

SCALE= 2,250 FEET/INCH AUG 13, 1987

All geological and geophysical data, including the interpretation thereof, appearing on this map is the private and confidential property of Amoco Production Company. The publication or reproduction thereof without the written permission of said Company is strictly prohibited.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ RECEIVED

1b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ REPAIR ☐ PLUG BACK ☐ DIFF. REMOVR. ☐ Other ☐ APR 26 1985

2. NAME OF OPERATOR

Amoco Production Co.

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, N M 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)

At surface 1570' FSL x 1680' FWL

At top prod. interval reported below same

At total depth same

BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT
FARMING ON RES.

MAY 6 1985

WJH					
TKA					
GOM					
DHS					
BDX					
DATE ISSUED					
BY					
TWE					

5. LEASE DESIGNATION AND SERIAL NO.

NM 0309374

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

G.L. Davies

9. WELL NO.

10. AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

NE/SW Sec27, T28N, R13W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)

2/20/85

3/2/85

3/13/85

6006' KB

19. ELEV. CASINGHEAD

5993' GR

20. TOTAL DEPTH, MD & TVD

6400'

21. PLUG BACK T.D., MD & TVD

6356'

22. IF MULTIPLE COMPL., HOW MANY?

one

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

O-TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6150'-6246' Dakota

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

CDL-CN-GR-CAL; DIFL-GR-SP

27. WAS WELL CORED

No

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.3#, H40	437'	12-1/4"	271 cu.ft. ClassB Portland	
4-1/2"	10.5#, K55	6400'	7-7/8"	690 cu.ft. ClassB Western tailed	
				in w/414cf ClassB Western. Stage 2	
				1675 cf ClassB Western	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6276'	

31. PERFORATION RECORD (Interval, size and number)

6150'-6172', 6190'-6246', 4 jsfp, .5" in diameter, for a total of 312 holes.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6150'-6246'	90,000 gal 70 quality foam and 135,000 #20-40 sand.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
3/20/85		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3/21/85	3 hrs	.50"	→		65		
FLOW. TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
90 psig	435 psig	→		519			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

35. LIST OF ATTACHMENTS

None

Bryan Services

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED

BDS Shaw

TITLE Adm. Supervisor

DATE

4/18/85

*(See Instructions and Spaces for Additional Data on Reverse Side)

OPERATOR

MAY 02 1985

FARMINGTON RESOURCE AREA

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
jo Alamo	450	1050				
uiltland	1050	1520				
ictured						
Cliffs	1520	1730				
hacra						
liffhouse	3240	4000				
oint						
Lookout	4000	4360				
allup	5200	5720				
akota	6150	6360				

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0157
Expires August 31, 1985

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 ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CONVR. ☐ Other ☐

RECEIVED

2. NAME OF OPERATOR

Amoco Production Co.

MAR 25 1986

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, N M 87401 BUREAU OF LAND MANAGEMENT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1570' FSL x 1680' FWL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 2-20-85 16. DATE T.D. REACHED 3-2-85 17. DATE COMPL. (Ready to prod.) 2-20-86 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6006' KB 19. ELEV. CASINGHEAD 5993' GR

20. TOTAL DEPTH, MD & TVD 6400' 21. PLUG, BACK T.D., MD & TVD 6356' 22. IF MULTIPLE COMPL., HOW MANY* Single 23. INTERVALS DRILLED BY → 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5288'-5566' Amarillo Gallup

25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

CDL-CN-GR-CAL; DIFL-GR-SP

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.3# H-40	437'	12-1/4"	271 cf Class B Portland	
4-1/2"	10.5# K-55	6400'	7-7/8"	690 cf Class B Western	
				414 cf Class B Western	
				1675 cf Class B Western	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6253'	5693'
Sliding Sleeve		5960'

31. PERFORATION RECORD (Interval, size and number)

5456'-5466', 5466'-5486', 5486'-5506',
5506'-5526', 5526'-5546', 5546'-5566',
2 jspf, .40" dia. 220 holes, 5288'-5308',
5308'-5318', 5358'-5366', 4 jspf, .45"
dia., 152 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5456'-5566'	80000 gal 20# gel
	85000# 20-40 brady sn
5288'-5366'	60000 gal 20# gel
	55000# 20-40 sn

33.* PRODUCTION

DATE FIRST PRODUCTION 2-20-86 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut In

DATE OF TEST 2-21-86 HOURS TESTED 24 CHOKE SIZE 3/8" PROD'N. FOR TEST PERIOD → OIL—BBL. 23 GAS—MCF. 43 WATER—BBL. 7 GAS-OIL RATIO 1869

FLOW. TUBING PRESS. 50 CASING PRESSURE 180 CALCULATED 24-HOUR RATE → OIL—BBL. 23 GAS—MCF. 47 WATER—BBL. 7 OIL GRAVITY-AP1-(CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

Mac Heard

35. LIST OF ATTACHMENTS

None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

BSShaw

TITLE Adm. Supervisor

DATE

3-21-86

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	450'	1050'				
Fruitland	1050'	1520'				
Pictured Cliffs	1520'	1730'				
Cliffhouse	3240'	4000'				
Point Lookout	4000'	4360'				
Gallup	5200'	5720'				
Dakota	6150'	6360'				

APR 15

7

VE

Initial Potential Test Information

Dakota	650 mcf/d
Gallup	23 bopd, 7 bwpd, 43 mcf/d, GOR 1870

Bottom Hole Pressures

Dakota	1672 psi	determined by Amerada bomb
Gallup	1450 psi	SICP + fluid level x fluid gradient



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

September 3, 1987

Amoco Production Co.
2325 East 30th
Farmington, NM 87401

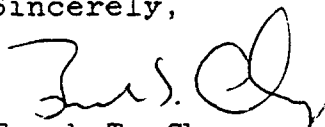
Re: GL Davies #1E K-27-28N-13W
Commingled Allocation

Gentlemen:

Your recommended allocation of the commingled production for
the referenced well is approved as follows:

	<u>Gas</u>	<u>Oil</u>
Amarillo Gallup	6%	100%
Basin Dakota	94%	0%

Sincerely,


Frank T. Chavez
District Supervisor

FTC/dj

xc: Santa Fe
EPG
PER
Well File

SEP 1 1987

FILE	
CSD	
DSB	
2 GOM	
TLM	
1-25	
KKS	
CAR	
3 SKB	
Corres	
Well File	☒
Trash	

SKB

August 17, 1987

Meridian Oil
P. O. Box 4289
Farmington, NM 87499

File: CBD-34-400

Gentlemen:

Commingling Application
G. L. Davies No. 1E
Sec. 27, T28N, R13W
San Juan County, New Mexico

Ampco Production Company has applied for approval to commingle the Gallup and Dakota horizons in the subject well. Our records show that you hold a lease which was acquired from Southland Royalty (formerly Aztec Oil and Gas) in Sec. 22, T28N, R13W. If you have any objections to our application, notify the New Mexico Oil Conservation Division within 20 days. If you do not respond during that time, your approval will be assumed.

Sincerely,

Original Signed
R. J. Broussard
By CBD

SKB/ct

Attachment

W4

SKB

August 17, 1987

Tenneco Oil
3400 Southside River Road
Farmington, NM 87401

File: CBD-35-400

Gentlemen:

Commingling Application
G. L. Davies No. 1E
Sec. 27, T28N, R13W
San Juan County, New Mexico

Amoco Production Company has applied for approval to commingle the Gallup and Dakota horizons in the subject well. Our records show that you hold leases in Sections 28 and 34, T28N, R13W. If you have any objections to our application, notify the New Mexico Oil Conservation Division within 20 days. If you do not respond during that time, your approval will be assumed.

Sincerely,

Original Signed
R. J. Broussard
By CBD

SKB/ct

Attachment

W4

5KB
August 17, 1987

Benson-Montin-Greer Drilling Corp.
501 Airport Drive
Farmington, NM 87401

File: CBD-36-400

Gentlemen:

Commingle Application
G. L. Davies No. 1E
Sec. 27, T28N, R13W
San Juan County, New Mexico

Amoco Production Company has applied for approval to commingle the Gallup and Dakota horizons in the subject well. Our records show that you hold a lease in Section 28, T28N, R13W. If you have any objections to our application, notify the New Mexico Oil Conservation Division within 20 days. If you do not respond during that time, your approval will be assumed.

Sincerely,

Original Signed
R. J. Broussard
By CBD

SKB/ct

Attachments

W4

SKB

August 14, 1987

Hicks Oil and Gas
680 Dustin Road
Farmington, NM 87401

File: CBD-37-400

Gentlemen:

Commingling Application
G. L. Davies No. 1E
Sec. 27, T28N, R13W
San Juan County, New Mexico

Amoco Production has applied for approval to commingle the Gallup and Dakota horizons in the subject well. Our records show that you hold a lease in Section 22, T28N, R13W. If you have any objections to our application, notify the New Mexico Oil Conservation Division within 20 days. If you do not respond during that time, your approval will be assumed.

Sincerely,

Signed
R. J. Broussard
By CBD

SKB/ct

Attachment

W4