



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

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

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE 2-23-87

RE: Proposed MC \_\_\_\_\_  
Proposed DHC X \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

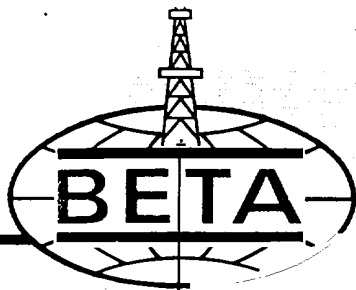
I have examined the application dated 2-4-87  
for the Beta Development Co. Edgar Federal #2 G-1-27N-12W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

APPROVE  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

E. J. [Signature]



**BETA DEVELOPMENT CO.**

*Incorporated*

P. O. BOX 189 • FORT WORTH, TEXAS

Repl. to:  
234 Petroleum Club Plaza,  
Farmington, New Mexico

January 30, 1987

RECEIVED  
FEB 04 1987  
OIL CON. DIV.  
DIST. 3

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, NM 87501

Edgar Federal #2 (SF-079116)  
1650' FNL & 1650' FEL  
Sec. 1, T-27N, R-12W  
Basin Dakota, San Juan County, NM  
Undesignated Gallup, San Juan County, NM

Dear Mr. Catanach:

We at Beta Development Company at this time request an exception to Rule 303-C to down hole commingle all production from our Dakota and Gallup formation in the above mentioned well, as we experienced damage in the part of Dakota that was producing beyond repair from a hole in the casing from the Mesa Verde section, we were planning to P & A this well, but as we have some zones in the Dakota that were not opened at time of completion, so after making casing repairs and squeezing off old perforations, open up new Dakota zones, perforate and complete the Gallup and make this into a dual zone completion rather than P & A.

Your consideration and help in this matter to get approval for this application will be greatly appreciated.

Sincerely,

D. E. Baxter  
Superintendent

CC: NM Oil Conservation Commission, Aztec office

303-A

Commingle downhole the Dakota & Gallup  
Dakota gas zone 6332-6362.  
Gallup oil zone 5604-5760 top & bottom perforations

303-A

Oil Zone Gallup

- (1) Total oil new zone Dakota 1 bbl.  
Total oil Gallup zone after 30 days, 30-35 bbl's per day
- (2) The Gallup will require no artificial lift due to bottom hole pressure of new Dakota gas zone.
- (3) Gallup producing wells in the area make from a trace of water to no water
- (4) We expect no precipitations of any kind both zones are compatible
- (5) No loss of value crude price from commingling
- (6) Ownership 100% both zones
- (7) No secondary recovery damage will occur due to no water each zone

303-B

Gas zone Dakota

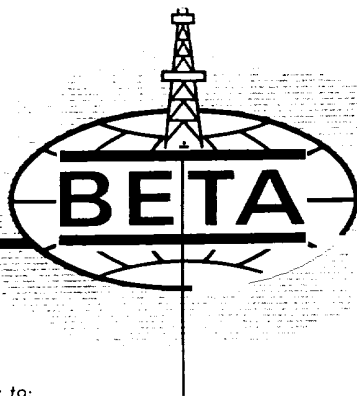
- (1) See cover letter
- (2) No crossflows between zone due to closeness of bottom hole pressures
- (3) No water from either zone
- (4) Both zone's are oil compatible
- (5) Ownership 100% both zones
- (6) Dakota (6362) bottom hole pressure expected  
1200-1300 lbs range this is the I.P. pressure expected  
Gallup 5760 bottom hole pressure expected  
750-850 lbs range this is the I.P. pressure expected

There are only two operators in a 1 mile radius of this well, we are at this time informing Amoco Production and Texaco Inc. of our intention, there is two abandoned Gallup wells in this same radius, we at this time do not know if they are an extension of the Kutz Canyon Gallup or not.

Sincerely,



D. E. Baxter  
Superintendent



DEVELOPMENT CO.

*Incorporated*

P. O. BOX 189 • FORT WORTH, TEXAS

Reply to:  
234 Petroleum Club Plaza,  
Farmington, New Mexico

February 2, 1987

Texaco Inc.  
P. O. Box 2100  
Denver, CO 80201

Edgar Federal #2 (SF-079116)  
1650' FNL & 1650' FEL  
Sec. 1, T-27N, R-12W  
Basin Dakota, San Juan County, NM  
Undesignated Gallup, San Juan County, NM

Dear Sir:

This is to serve as notice of our intention to apply for an exception to rule 303-C of the New Mexico Oil Conservation Commission of down hole commingling the Dakota and Gallup formation in our above mentioned well, as you are a off-set operator, we wish your approval at this time indicated by the signature box below, if you disagree with this application, please let Mr. Catanach with New Mexico Oil Conservation Commission of Santa Fe know of this within 20 days of this date.

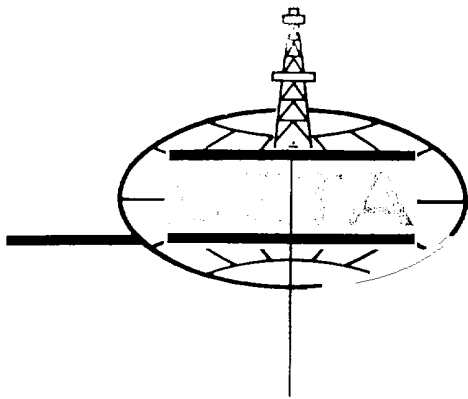
Sincerely,

*D. E. Baxter*  
D. E. Baxter

Approval given by: \_\_\_\_\_ Date \_\_\_\_\_

Please sne back one copy.

Copy: Texaco Inc. P. O. Box EE Cortez, CO 81321



**DEVELOPMENT CO.**

*Incorporated*

P. O. BOX 189 • FORT WORTH, TEXAS

February 2, 1987

Amoco Production Co.  
P. O. Box 800  
Denver, CO 80201

Edgar Federal #2 (SF-079116)  
1659' FNL & 1650' FEL  
Sec. 1, T-27N, R-12W  
Basin Dakota, San Juan County, NM  
Undesignated Gallup, San Juan County, NM

Dear Sir:

This is to serve as notice of our intention to apply for an exception to rule 303-C of the New Mexico Oil Conservation Commission of down hole commingling the Dakota and Gallup formation in our above mentioned well, as you are a off-set operator, we wish your approval at this time indicated by the signature box below, if you disagree with this application, please let Mr. Catanach with New Mexico Oil Conservation Commission of Santa Fe know of this within 20 days of this date.

Sincerely,

*D. E. Baxter*  
D. E. Baxter

Approval given by: \_\_\_\_\_ Date \_\_\_\_\_

Please send back one copy.

Thank you.

Copy: Amoco Production Co. Dept. 2325 East 30th St. Farmington, NM 87401

IN REPLY REFER TO:

SF 079116

~~NM 01445, et al~~

Oil and Gas

4.10h

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
LAND OFFICE  
P. O. Box 1449  
Santa Fe, New Mexico  
87501

May 7, 1964

DECISION

Assignor: Southwest Production :  
Company, a partnership  
composed of John H. Hill  
and Joseph P. Briscoll

Oil and Gas

RECEIVED

Assignee: Beta Development Co. :

MAY 8 1964

Conveyance of Operating Rights Approved U. S. GEOLOGICAL SURVEY  
ROSOWELL, NEW MEXICO

The following conveyance of operating rights involving oil and gas leases listed below is hereby approved.

The Conveyance, dated September 3, 1963, completed May 1, 1964, conveys to the assignee the operating rights in the following leases and lands:

Serial No.	Lease Date	Interest Conveyed	Lands and Depth Limitation
NM 01445	5-1-50	100%	All lands in lease (80 acres) Dakota Formation only.
NM 02491	11-1-50	100%	All lands in lease (320 acres). From the base of the Mesaverde Formation down to the base of the Dakota Formation.
NM 02758	12-1-50	100%	All lands in lease (320 acres) From the base of the Mesaverde Formation down to the base of the Dakota Formation.
NM 03486-A	2-1-48	100%	All lands in lease (760 acres) From the base of the Mesaverde Formation down to the base of the Dakota Formation.
NM 03523	7-1-47	100%	T. 26 N., R. 11 W., NMPM Sec. 6: Lots 1,2,3,4,5,6,7, S $\frac{1}{2}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NW $\frac{1}{4}$ , SE $\frac{1}{4}$ T. 27 N., R. 11 W., NMPM Sec. 31: All Containing 1195.24 acres. From the base of the Pictured Cliffs Formation down to the

# ILLEGIBLE

<u>Serial No.</u>	<u>Date Lease</u>	<u>Interest Conveyed</u>	<u>Land and Depth Limitation</u>
SF 079116 ✓	4-1-48	100%	All lands in lease (2560.22 ac.), From the base of the Pictured Cliffs Formation down to the base of the Dakota Formation.
SF 079962	2-1-48	100%	All lands in lease (600 ac.). From the base of the Mesaverde Formation down to the base of the Dakota Formation.
SF 080113	8-1-51	100%	All lands in lease (330 ac.). From the base of the Mesaverde Formation down to the base of the Dakota Formation.
SF 080469	8-1-50	100%	All lands in lease (258.22 ac.). From the base of the Mesaverde Formation down to the base of the Dakota Formation.
SF 080865	11-1-61	100%	All lands in lease (120 ac.). From the base of the Mesaverde Formation down to the base of the Dakota Formation.
SF 080869	4-1-50	100%	All lands in lease (160 ac.). From the base of the Mesaverde Formation down to the base of the Dakota Formation.
SF 080956	3-1-50	100%	All lands in lease (348.47 ac.). From the base of the Mesaverde Formation down to the base of the Dakota Formation.
SF 081085	2-1-48	100%	All lands in lease (240 ac.). From the base of the Mesaverde Formation down to the base of the Dakota Formation.
BLM-A 034752	9-1-53	100%	All lands in lease (27.14 ac.). Below the base of the Pictured Cliffs Formation.

\*The "Dakota Formation" conveyed herein is defined as being all formations and zones lying below the base of the Greenhorn Limestone Formation and above a point 400 feet below the base of said Greenhorn Limestone Formation, consisting of the Graneros Formation, the Dakota Formation and the productive upper portion of the Morrison Formation.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

SF-079116

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Edgar Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 1 T-27N, R-12W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Beta Development Company

3. ADDRESS OF OPERATOR

238 Petroleum Plaza, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface

1650' FNL & 1650' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6050' G.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PLANNED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
work, and, if well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perfo-  
rated in this work.)

Propose to dual complete Gallup & Dakota

To repair casing as approved sundry notice 4-11-86 just as planned after  
testing the Dakota sandstone, perforate the Graneros section @ (6332-40,  
6358-62) 2 shots per ft. acidize and test, set bridge plug 6200' + or -,  
perforate Gallup section (5604-08, 5656-58, 5674-78, 5696-70, 5731-33,  
5738-42, 5754-60) 2 shots per ft. acidize and test.

Recover all bridge plugs, clean out to original T.D. (6470').

18. I hereby certify that the foregoing is true and correct

SIGNED

*D. E. Bayler*

TITLE Superintendent

DATE January 27, 1987

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**  
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128  
Revised 5/1/57

**SECTION A**

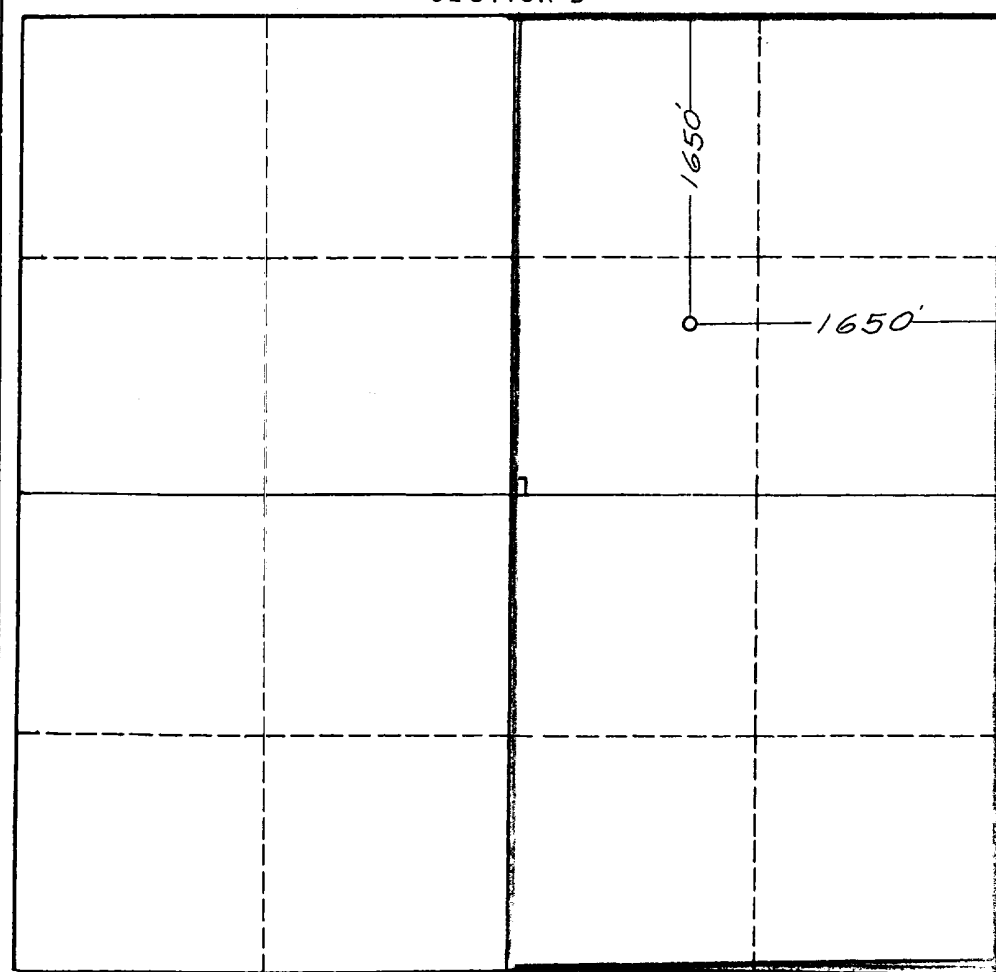
Operator <b>SOUTHWEST PRODUCTION COMPANY</b>		Lease <b>EDGAR - FEDERAL SF-079116</b>		Well No. <b>2</b>
Unit Letter <b>G</b>	Section <b>1</b>	Township <b>27 NORTH</b>	Range <b>12 WEST</b>	County <b>SAN JUAN</b>
Actual Footage Location of Well: <b>1650</b> feet from the <b>NORTH</b> line and <b>1650</b> feet from the <b>EAST</b> line				
Ground Level Elev. <b>6050.0</b>	Producing Formation <b>DAKOTA</b>	Pool <b>Undesignated</b>	Dedicated Acreage: <b>E/320</b> Acres	

Ref: GLO plat dated 19 July 1915

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X NO \_\_\_\_ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES \_\_\_\_ NO \_\_\_\_ . If answer is "yes," Type of Consolidation \_\_\_\_\_
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

**SECTION B**



**CERTIFICATION**

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

Name	Original signed by <b>Carl W. Smith</b>
Position	<b>Production Superintendent</b>
Company	<b>Southwest Production Co.</b>
Date	<b>9/8/60</b>

I hereby certify that the well location shown on the plat in SECTION B 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	<b>5 September 1960</b>
Registered Professional Engineer and/or Land Surveyor	<b>James P. Leese</b>

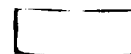
Certificate No. **1463**

0 330 660 990 1320 1650 1980 2310 2640 2000' 1500 1000 500 0

FROM—	TO—	TOTAL FEET	FORMATION
			Electric Log Tops:
			Pictured Cliffs 1787
			Cliff House 3362
			Menefee 3425
			Point Lookout 4380
			Mancos 4527
			Gallup 5410
			Greenhorn 6235
			Graneros 6293
			Dakota 6408
			TD 6537 PB 6492

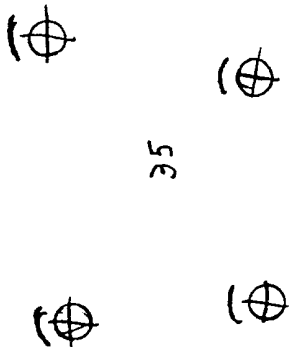
(OVER)

16-43094-4



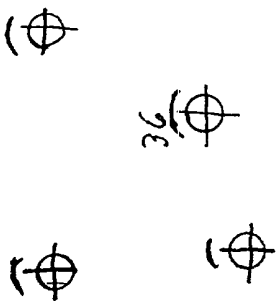
R-12-W

Amoco



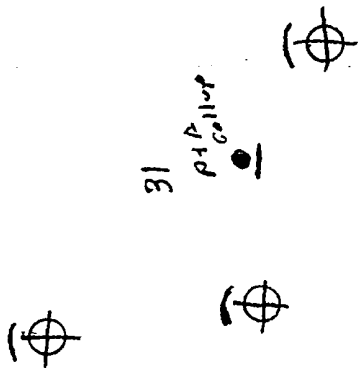
35

Amoco



36

Amoco



31

P+1A  
Gallor



R-11-W

32

Texaco



2

P+1A

Beta



P+1A

Beta  
Gallor  
T+1A



6

P+1A

5

Beta

11

Beta

10

Beta

7

8

T-27-N

T-28-N