



Texaco Exploration
and Production Inc.
Denver Region

3300 North Butler
Farmington, NM 87401
505 325-4397

DHC 12/8/98

2/43

November 17, 1998

Mr. David Catanach
State of New Mexico
Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

RE: Downhole Commingle Application
C. W. Roberts #4
John Charles #6A

NOV 18 1998

Please find enclosed applications to commingle downhole the subject wells.
The originals of the applications were incorrectly sent to the Aztec office.

Conservation with Ms. Kathy Valdez advised that the copies would be acceptable this time.

Please advise of any missing documents that should have been included.

Billy Bowen
Four Star Oil and Gas Company
(505) 325-4397 Ext. 14

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

811 South First St., Artesia, NM 88210-2835

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-A

New 3-12-96

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

FOUR STAR OIL AND GAS COMPANY

3300 N. Butler Ave., Suite 100 Farmington

NM 87401

Operator

C W ROBERTS

Address

4

M

17

T25N

R03W

RIO ARRIBA

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

OGRID No. 131994

Property Code

017665

API No.

3003905965

Federal ☒State ☐(and/or) Fee ☐

Spacing Unit Lease Types: (check 1 or more)

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	BLANCE MESA VERDE		BLANCO GALLUP
2. Top and Bottom of Pay Section (Perforations)	5834-5864		SIDE TRACK 6865-9673
3. Type of Production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	ARTIFICIAL LIFT		
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 462 SHUT IN SURFACE b. (Original) NOT AVAILABLE	a. b.	a. 920 SHUT IN SURFACE b. NOT AVAILABLE
6. Oil Gravity (*API) or Gas BTU Content	1259 BTU		1273 BTU
7. Producing or Shut-in ?	PRODUCING		SHUT IN
Production Marginal? (yes or no)	YES		YES
* If Shut-in, give date and oil/gas/ water rates of last production Note: For new zones with no production history applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:	Date: 1/1/96 Rates: 2/39/3 O/G/W
* If Producing, give date and oil/gas/ water rates of recent test (within 60 days)	Date: 8/1/98 Rates: 2/85/4 O/G/W	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 50 % Gas: 68 %	Oil: % Gas: %	Oil: 50 % Gas: 32 %

9. If allocation formula is based upon something other than current or past production, or is based on some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling ☒ Yes ☐ No11. Will cross-flow occur? ☐ Yes ☒ No If yes, are fluids compayable, will formations not be damaged, will any cros flowed production be recovered, and will the allocation formula be reliable. ☐ Yes ☐ No (If No, attach explanation)12. Are all produced fluids from all commingled zones compatible with each other ☒ Yes ☐ No13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)14. If this well is on, or communilitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application ☒ Yes ☐ No

15. NMOC Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

16. ATTACHMENTS:

- *C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- *Production curve for each zone for at least one year. (If not available, attach explanation.)
- *For zones with no production history, estimated production rates and supporting data.
- *Data to support allocation method or formula.
- *Notification list of all offset, operators.
- *Notification list of all working, overriding, and royalty interest for uncommon interest cases.
- *Any additional statements, data, or documents required to support commingling.

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

Signature

Rached Hindi

Title

Senior Engineer

Date

9/30/98

TYPE OR PRINT NAME Rached Hindi

Telephone

325-4397

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102

Revised February 10, 1999

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 3003905965	² Pool Code 72319	³ Pool Name BLANCO GALLUP
⁴ Property Code 017665	⁵ Property Name C W ROBERTS	⁶ Well No. 4
⁷ OGRID Number 131994	⁸ Operator Name FOUR STAR OIL AND GAS COMPANY	⁹ Elevation 7185' GR - 7193' KB

¹⁰ Surface Location

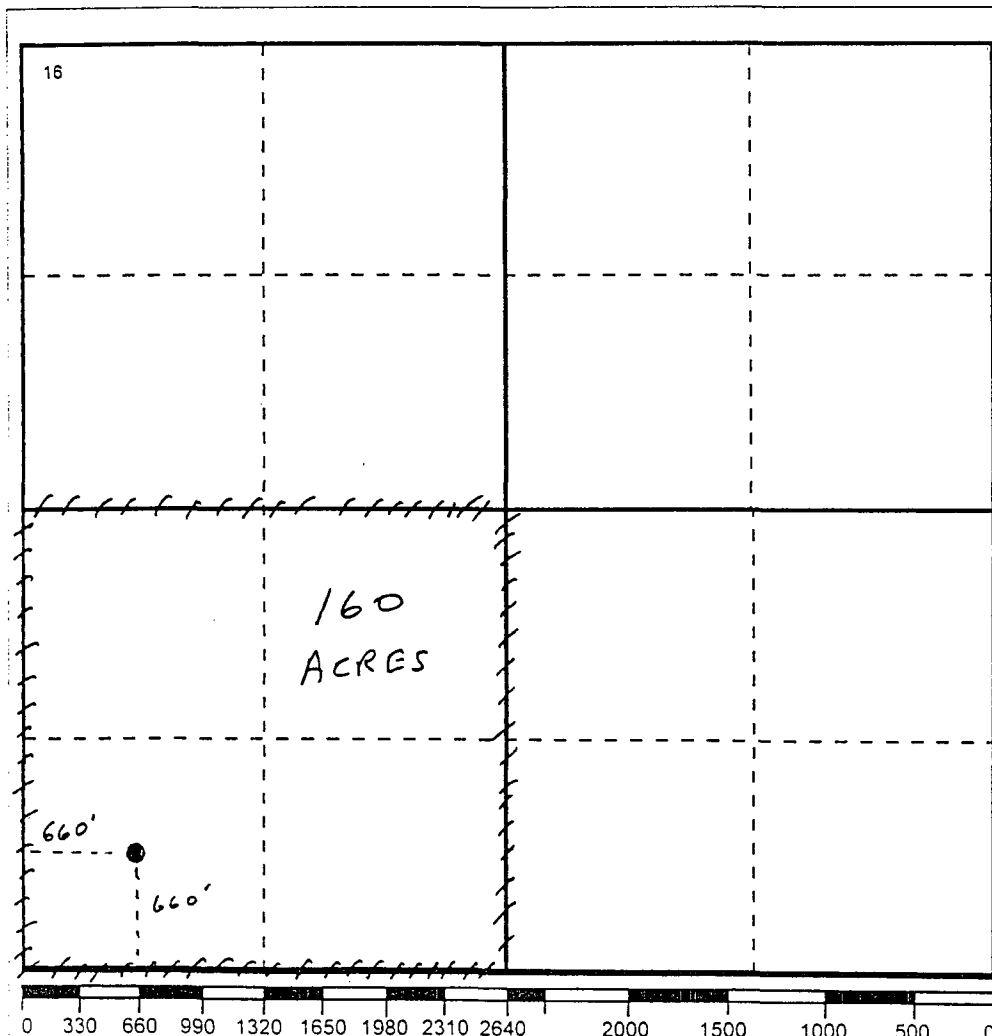
Ul or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
M	17	T25N	R03W		660	SOUTH	660	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
O	17	T25N	R03W		902	SOUTH	3411	WEST	RIO ARRIBA

¹² Dedicated Acre 320	¹³ Joint or Infill No	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁷ OPERATOR CERTIFICATION

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

Signature

Rached Hindi

Printed Name

Rached Hindi

Position

Senior Engineer

Date

9/30/98

¹⁸ SURVEYOR CERTIFICATION

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

Signature & Seal of

Professional Surveyor

Certificate No.

DISTRICT I

P.O. Box 1980, Hcbbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

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Form C-102

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☐ AMENDED REPORT

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

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⁴ Property Code 017665	⁵ Property Name C W ROBERTS	⁶ Well No. 4
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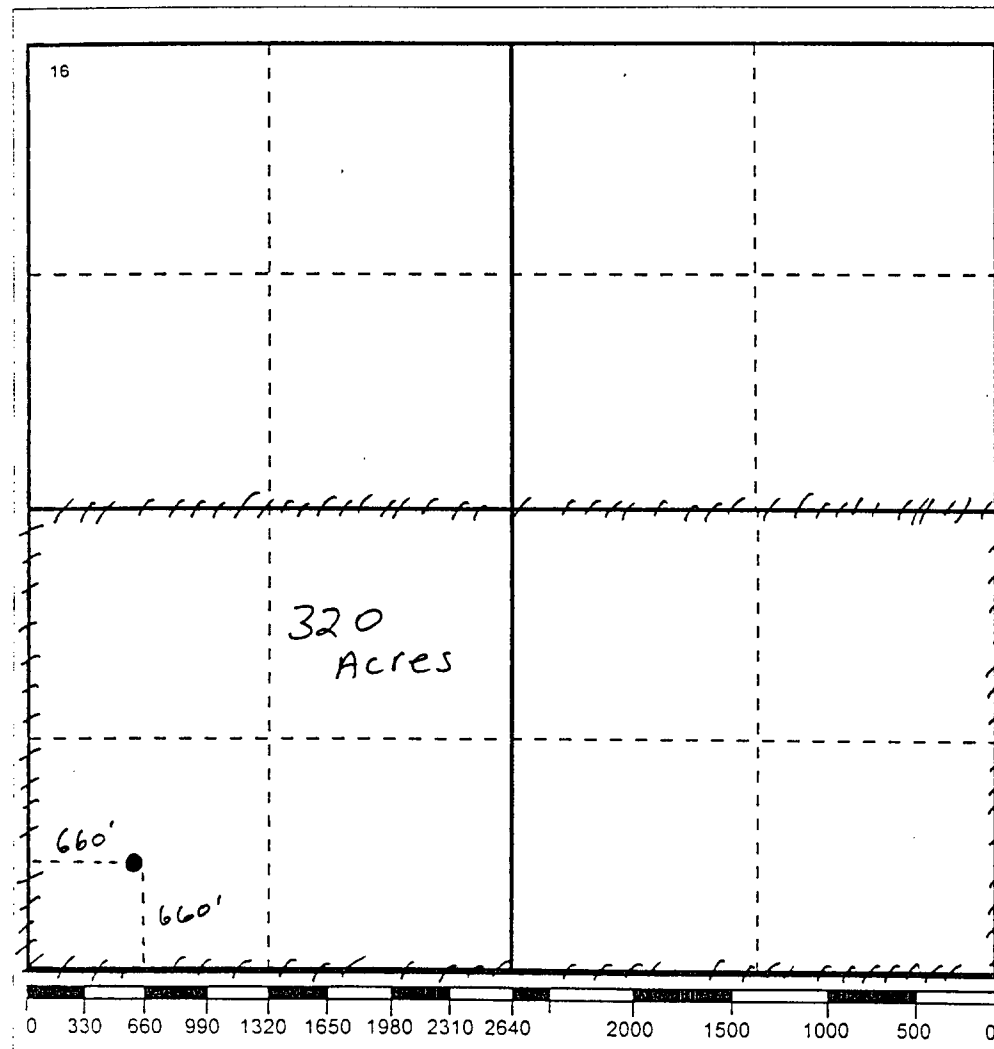
UI or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
M	17	T25N	R03W		660	SOUTH	660	WEST	RIO ARRIBA

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UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
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Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.

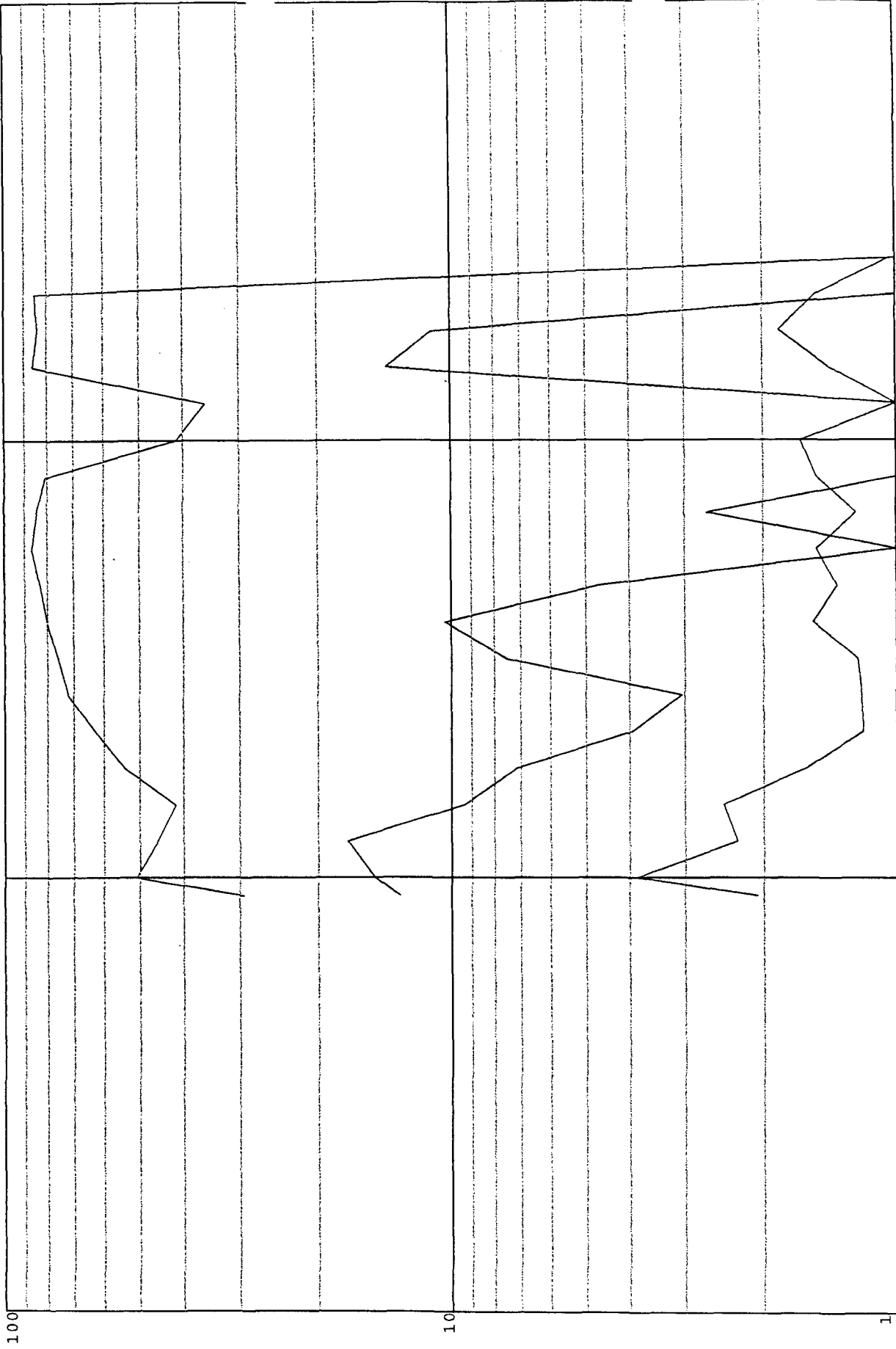
LEASE NAME: ROBERTS, C. W.
 TEX WELL_NO: 4
 CURR_LSE_NO: 017665

RSVR: MV
 REG_FLD: 72319

98

97

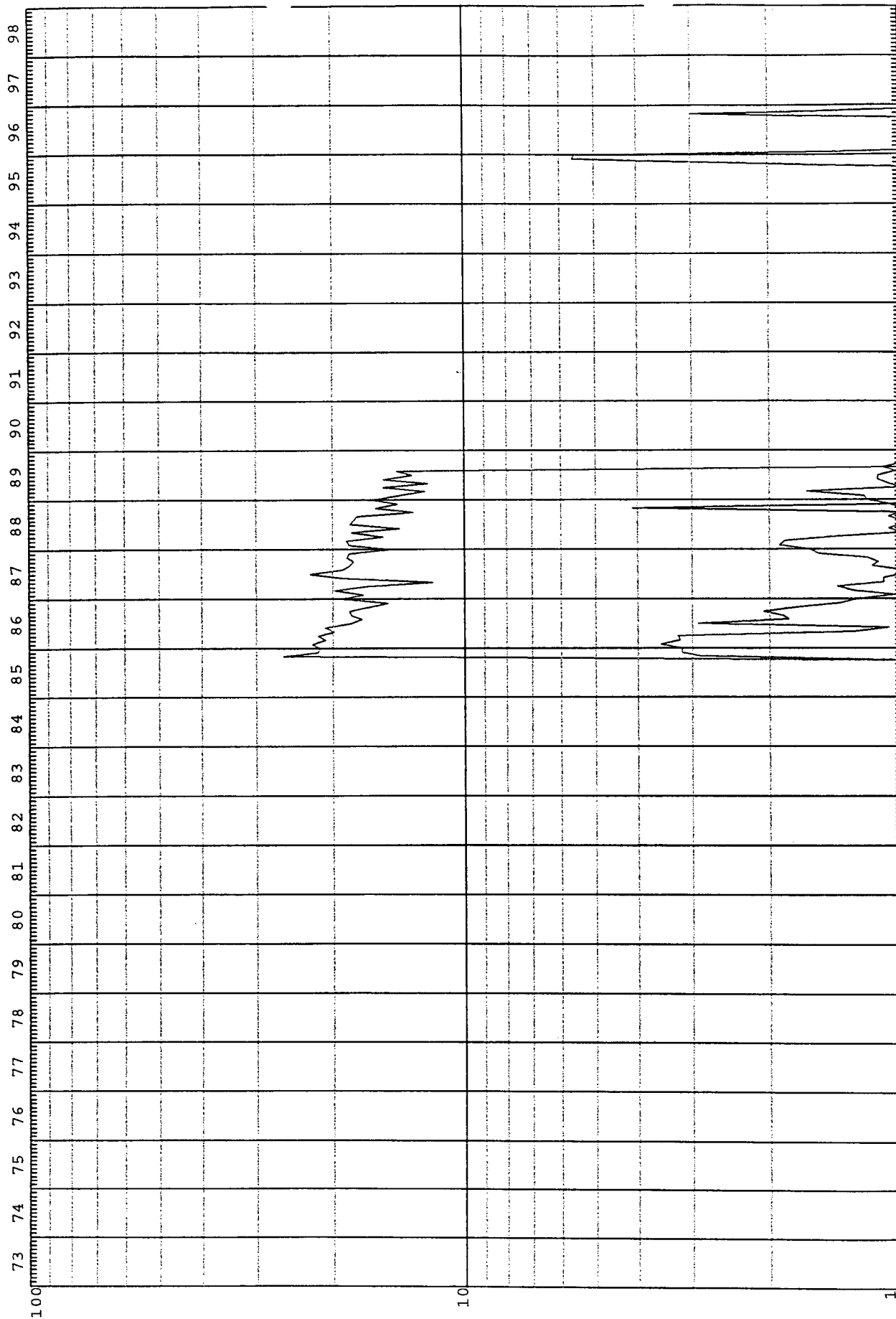
96



----- BOPD ----- MCFPD ----- BHPD
 CURRENT CUMS: OIL: 943 bbl GAS: 35,930 mcf WTR: 3,595 bbl WINJ: 0 bbl

D A I L Y R A T E

LEASE NAME: ROBERTS, C. W. RSVR: GAL/DK
 TEX_WELL_NO: 4 REG_FLD: 39189
 CURR_LSE_NO: 017665



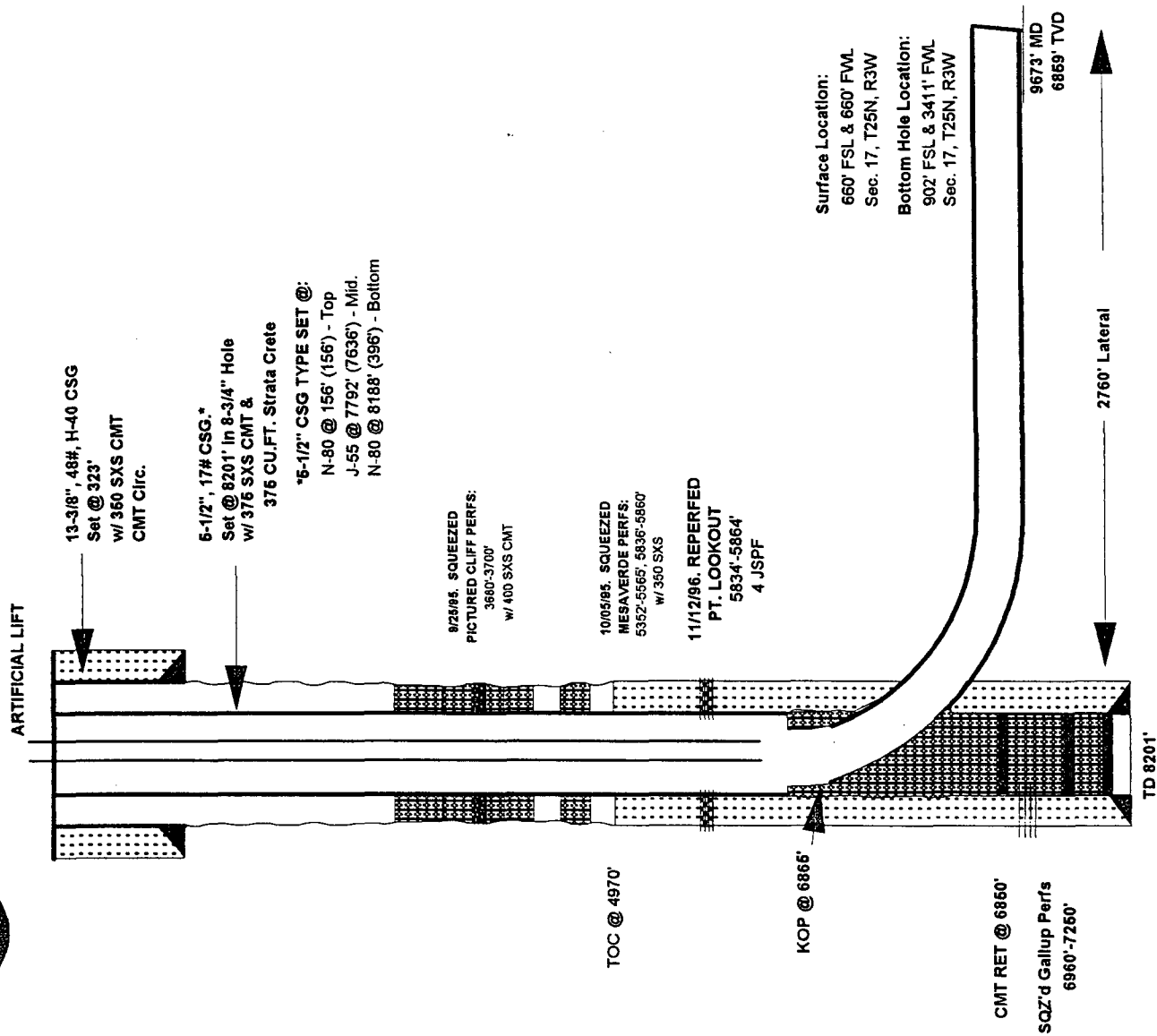
D A I L Y R A T E

----- BOPD ----- MCFPD ----- BWPD ----- AVG INJ PRES / 1
 CURRENT CUMS: OIL: 54,045 bbl GAS: 78,473 mcf WTR: 715 bbl WINJ: 0 bbl



C.W. ROBERTS No. 4

PROPOSED COMMINGLE COMPLETION

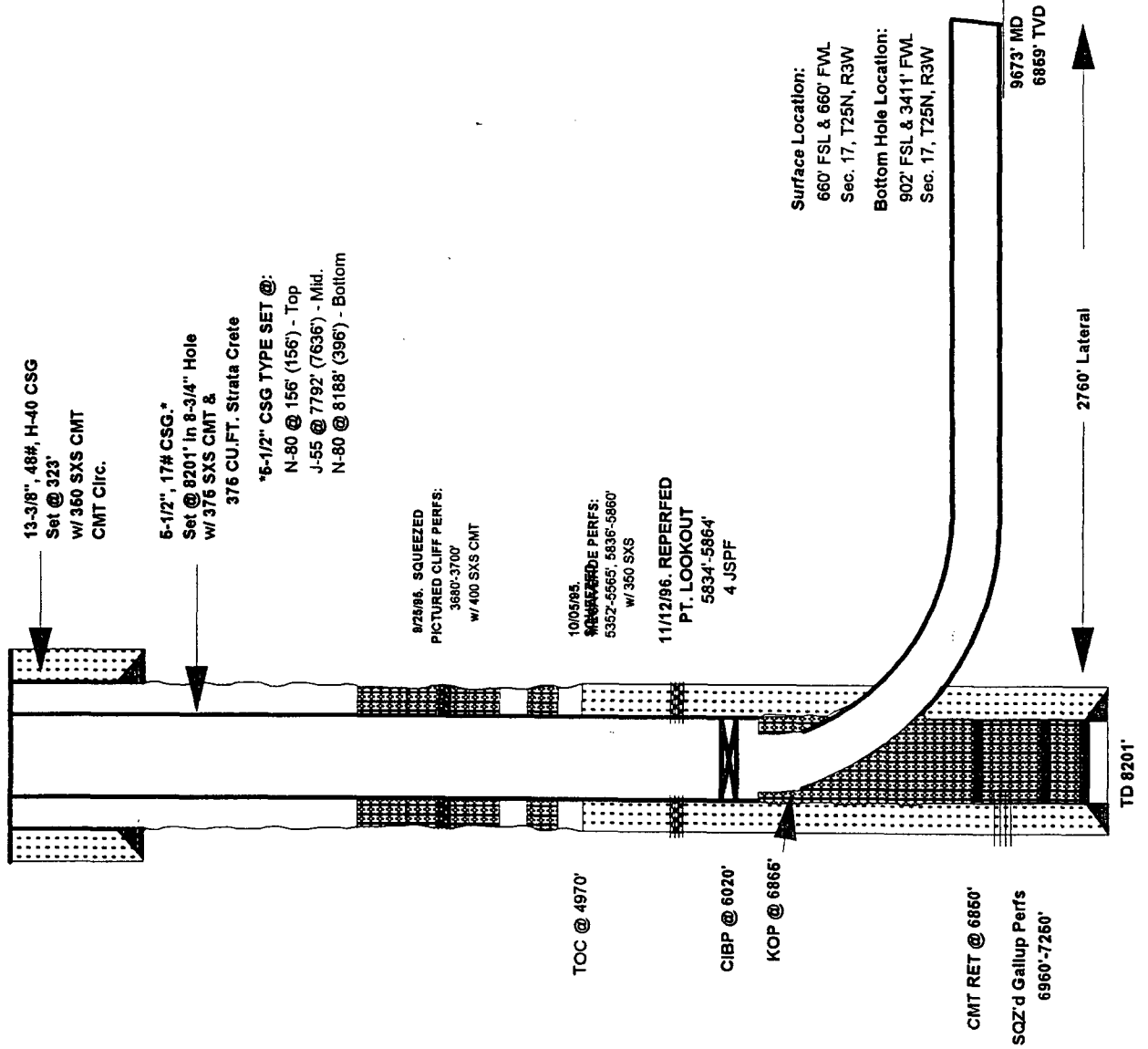




C.W. ROBERTS No. 4

CURRENT SIDETRACK COMPLETION

4/02/97





**Texaco Exploration
and Production Inc.**
Denver Region

3300 North Butler
Farmington, NM 87401
505 325-4397

September 31, 1998

Little Oil and Gas Incorporated
P.O. Box 1258
Farmington, New Mexico 87499

RE: Commingling Application
 C. W. Roberts #4
 Sec. 17-25N-3W
 Rio Arriba County, New Mexico

This letter is to advise your company that Four Star Oil and Gas Company as requested approval to commingle the subject well, per the attached BLM report.

Billy Bowen



**Texaco Exploration
and Production Inc.**
Denver Region

3300 North Butler
Farmington, NM 87401
505 325-4397

September 31, 1998

Elliott Oil Company
P.O. Box 1355
Roswell, New Mexico 88202

RE: Commingling Application
 C. W. Roberts #4
 Sec. 17-25N-3W
 Rio Arriba County, New Mexico

This letter is to advise your company that Four Star Oil and Gas Company as requested approval to commingle the subject well, per the attached BLM report.

Billy Bowen



**Texaco Exploration
and Production Inc.**
Denver Region

3300 North Butler
Farmington, NM 87401
505 325-4397

September 31, 1998

Schalk Development Company
P.O. Box 25825
Albuquerque, New Mexico 87125

RE: Commingling Application
C. W. Roberts #4
Sec. 17-25N-3W
Rio Arriba County, New Mexico

This letter is to advise your company that Four Star Oil and Gas Company as requested approval to commingle the subject well, per the attached BLM report.

Billy Bowen

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Elliott Oil Company
PO Box 1355
Roswell, NM 88202

4a. Article Number

P160 088 778

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

10/6/98

5. Received By: (Print Name)

Kathy Elliott

6. Signature: (Addressee or Agent)

X Kathy Elliott

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

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- Complete items 3, 4a, and 4b.
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- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Schalk Development Co
PO Box 25825
Albuquerque, NM 87125

4a. Article Number

P160 088 777

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

Schalk

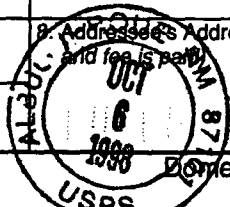
6. Signature: (Addressee or Agent)

X [Signature]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt



Thank you for using Return Receipt Service.

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I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Little Oil & Gas Inc.
PO Box 1258
Farmington, NM 87499

4a. Article Number

P160 088 776

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

10-2

5. Received By: (Print Name)

Cher. Whitney

6. Signature: (Addressee or Agent)

X Cher. Whitney

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: ☐ OIL WELL ☒ GAS WELL ☐ OTHER
2. Name of Operator
FOUR STAR OIL AND GAS COMPANY
3. Address and Telephone No.
3300 N. Butler Ave., Suite 100 Farmington NM 87401 325-4397
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit Letter M : 660 Feet From The SOUTH Line and 660 Feet From The
WEST Line Section 17 Township T25N Range R03W

5. Lease Designation and Serial No.
SF-079600
6. If Indian, Alottee or Tribe Name
7. If Unit or CA, Agreement Designation
8. Well Name and Number
C W ROBERTS
4
9. API Well No.
3003905965
10. Field and Pool, Exploratory Area
BLANCO MESA VERDE/GALLUP
11. County or Parish, State
RIO ARRIBA, NM

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ OTHER: DOWNHOLE COMMINGLE

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

FOUR STAR OIL & GAS CO. REQUESTS APPROVAL TO DOWNHOLE COMMINGLE PRODUCTION FROM THE SUBJECT WELL.

ZONES TO BE COMMINGLED

BLANCO MESA VERDE
PERFORATIONS 5835-5865'
PRODUCTION 2 OIL 4 WTR 85 GAS
GAS BTU 1259
OIL GRAVITY 43.7 API

WEST LINDRITH GALLUP
SIDE TRACK 6865-9673'
2 OIL 3 WTR 39 GAS
1273
46 API

THE WELL IS A MARIGINAL PROPERTY AND TO MAXIMUMIZE RESERVE RECOVERY, THE WELL REQUIRES COMMINGLING DOWNHOLE. LOW ECONOMICS RESULTING FROM LOW PRODUCTION DOES NOT ALLOW FOR DUALY COMPLETING. ARTIFICIALLY LIFTING OF THE FLUID UNDER DUAL COMPLETION IS NOT FEASIBLE.

ARTIFICIAL LIFT WILL BE USED TO MAINTAIN LOW FLUID LEVELS, AFTER COMMINGLING TO ENSURE MAXIMUM PRODUCTION

FOR INFORMATION ONLY

Mailed 10/1/98

I hereby certify that the foregoing is true and correct

SIGNATURE Rached Hindi TITLE Senior Engineer

DATE 9/30/98

TYPE OR PRINT NAME Rached Hindi

(This space for Federal or State office use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY: TITLE DATE

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.

C. W. ROBERTS #4

RIO ARriba COUNTY, NM

[illegible]

P.O. Box 2100

DENVER, CO 80201



(505) 881-6649

P.O. Box 25825

Sec 16 S2

ALBUQUERQUE, NM 87125



ELLIOTT OIL COMPANY

(505) 622-5840

P.O. Box 1355

ROSWELL, NM 88202 Sec 21 N2



LITTLE OIL & GAS INCORPORATED

(505) 327-6176

P. O. Box 1258

FARMINGTON, Nm 87499 Sea 16 N2

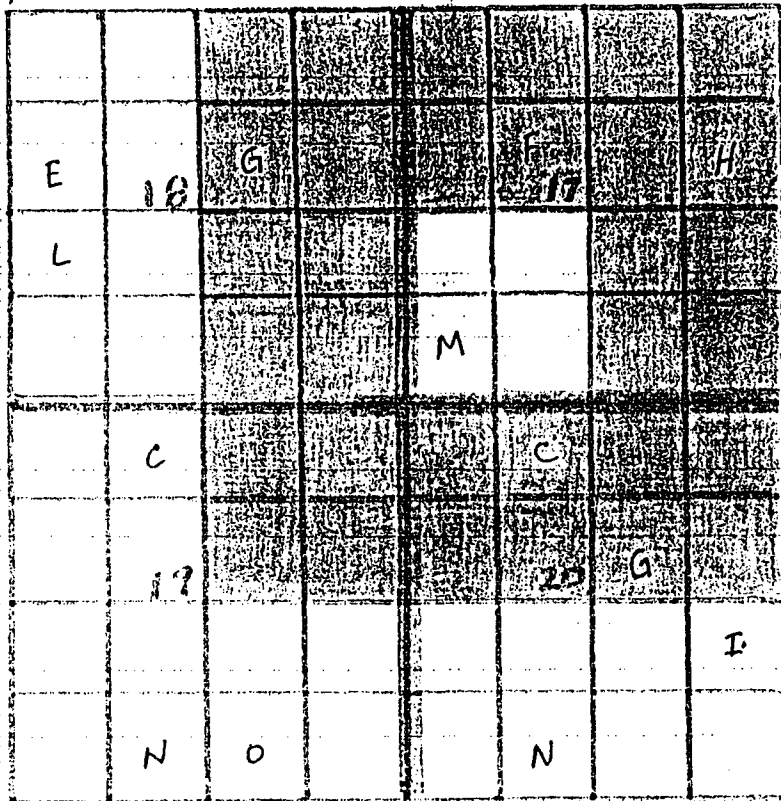
OFFSET OF RATORS : GALLUP FORMATION : (160 ACRES SPACING)

C. W. ROBERTS #4

DAKOTA

T-25 N, R-3W, SEC. 17: SW 1/4 SW 1/4

RED ARriba COUNTY, NM



FOUR STAR OIL & GAS COMPANY
P.O. BOX 2100
DENVER, CO 80201

T-25 N, R-3W, RED ARriba CO., NM

GALLUP FORMATION WELLS — (PETROLEUM INFORMATION — 9/23/98)

DAKOTA

SECTION	SPOT	STATUS	PRODUCT	OPERATOR	WELL NAME
17	H	A	CRUDE	FSOG	C W ROBERTS #8A
17	F	A	CRUDE	FSOG	C W ROBERTS #5
17	M	I	GAS	FSOG	C W ROBERTS #4
18	G	A	CRUDE	FSOG	C W ROBERTS #6
18	L	A	CRUDE	FSOG	C W ROBERTS #3A
18	E	A	CRUDE	FSOG	C W ROBERTS #6A
19	C	A	CRUDE	FSOG	LYDIA RENTZ #8
19	O	A	CRUDE	FSOG	LYDIA RENTZ #11
19	N	A	CRUDE	FSOG	LYDIA RENTZ #11A
20	C	A	CRUDE	FSOG	LYDIA RENTZ #7
20	N	A	CRUDE	FSOG	LYDIA RENTZ #9
20	I	A	CRUDE	FSOG	LYDIA RENTZ #9A
20	G	A	CRUDE	FSOG	LYDIA RENTZ #7A