

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 Address
C W ROBERTS 4 M 17 T25N R03W RIO ARRIBA
Lease Well No Unit Tr - Sec - Twp - Rge County
OGRID No. 131994 Property Code 017665 API No. 3003905965 Federal ☒ State (and/or) Fee

The following facts are submitted in support of downhole commingling:		Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code		BLANCO 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 (Current)	a.	462 SHUT IN SURFACE		920 SHUT IN SURFACE
Gas - Oil - Flowing:	b.	(Original)		
Measured Current				
All Gas Zones:				
Estimated Or Measured Original		NOT AVAILABLE		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	Date: Rates:		Date: Rates:	Date: 1/1/96 Rates: 2/39/3
Note: For new zones with no production history applicant shall be required to attach production estimates and supporting data				O/G/W
If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	8/1/98 2/85/4	Date: Rates:	
8. Fixed Percentage Allocation Formula - % for each zone	Oil Gas %	50 68 %	Oil Gas %	50 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 ☐ No
11. Will cross-flow occur? Yes ☒ No If yes, are fluids compayible, will formations not be damaged, will any cross 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 ☐ No
13. Will the value of production be decreased by commingling? Yes ☐ No ☒ (If Yes, attach explanation)
14. If this well is on, or communitized 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. NMOCD 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

Form C-102

Revised February 10, 1999

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copie

Fee Lease - 3 Copie

AMENDED REPORT

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 3003905965	2 Pool Code 723-9	3 Pool Name BLANCO GALLUP <i>Lindrick</i> <i>DPA</i>
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

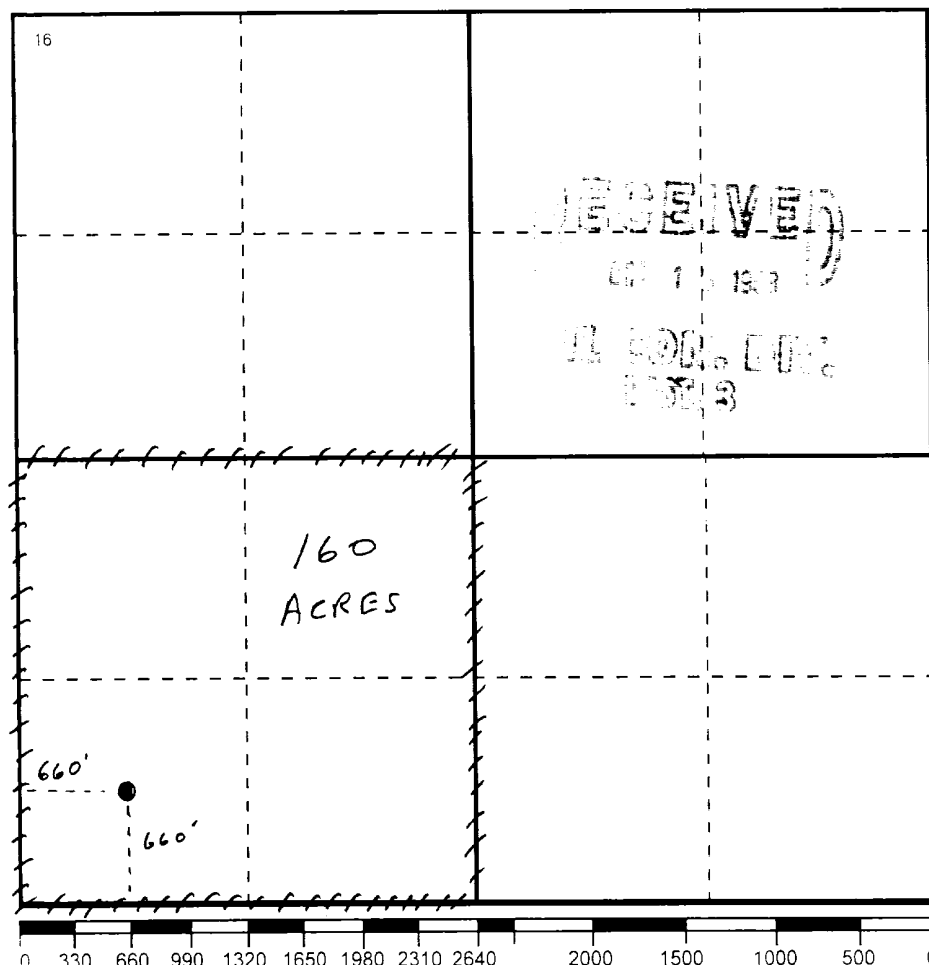
UI or lot no	Section	Township	Range	Lot Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
M	17	T25N	R03W		660	SOUTH	660	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UI 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

Printed Name

Rached Hindi

Positio

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, Hobbs, NM 88241-1980

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Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 3003905965	2 Pool Code 72319	3 Pool Name BLANCO MESA VERDE
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

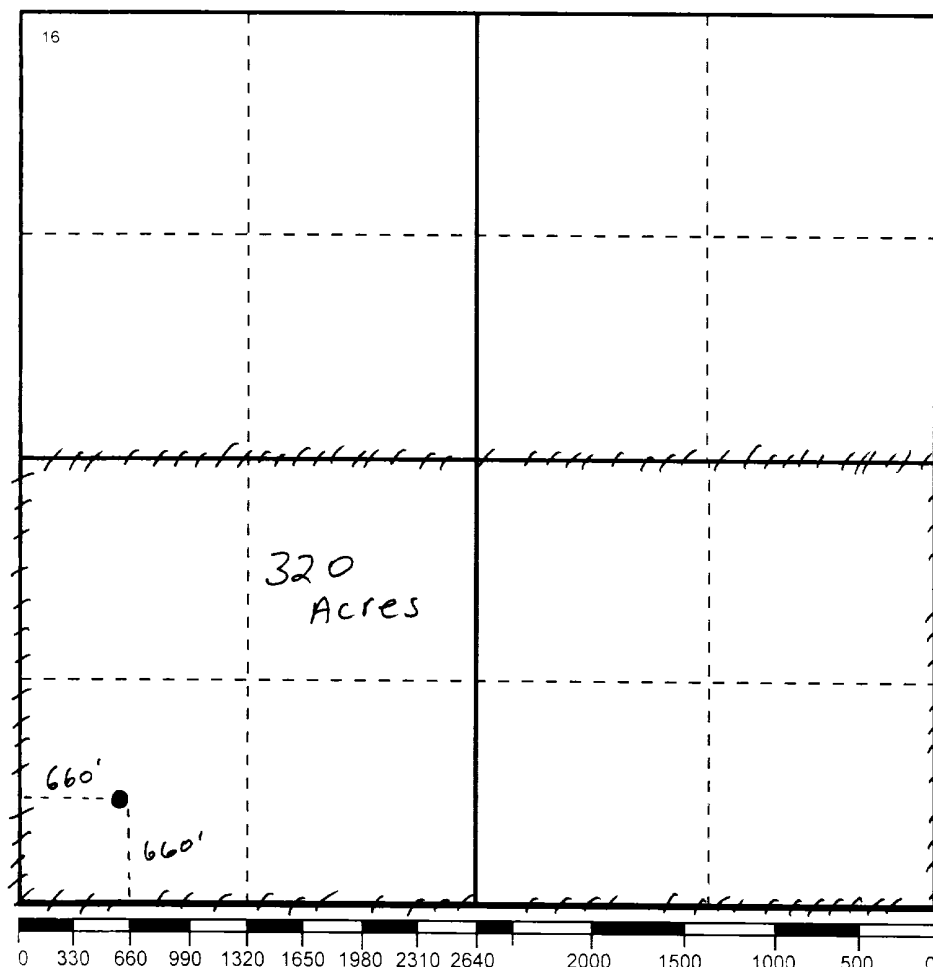
Ul or lot no	Section	Township	Range	Lot Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
M	17	T25N	R03W		660	SOUTH	660	WEST	RIO ARRIBA

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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I hereby certify that the information
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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
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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

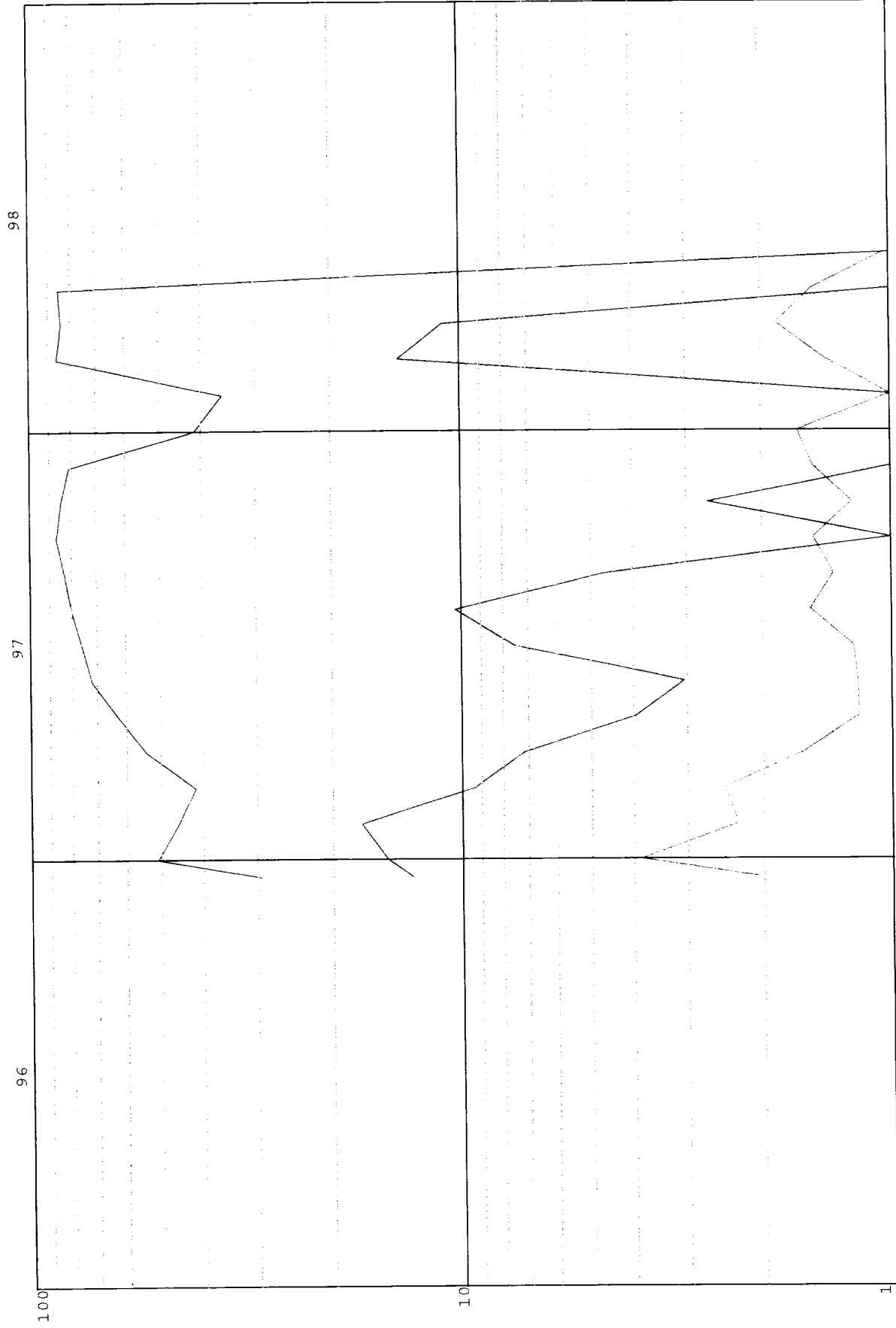
Signature & Seal of
Professional Surveyor

Certificate No.

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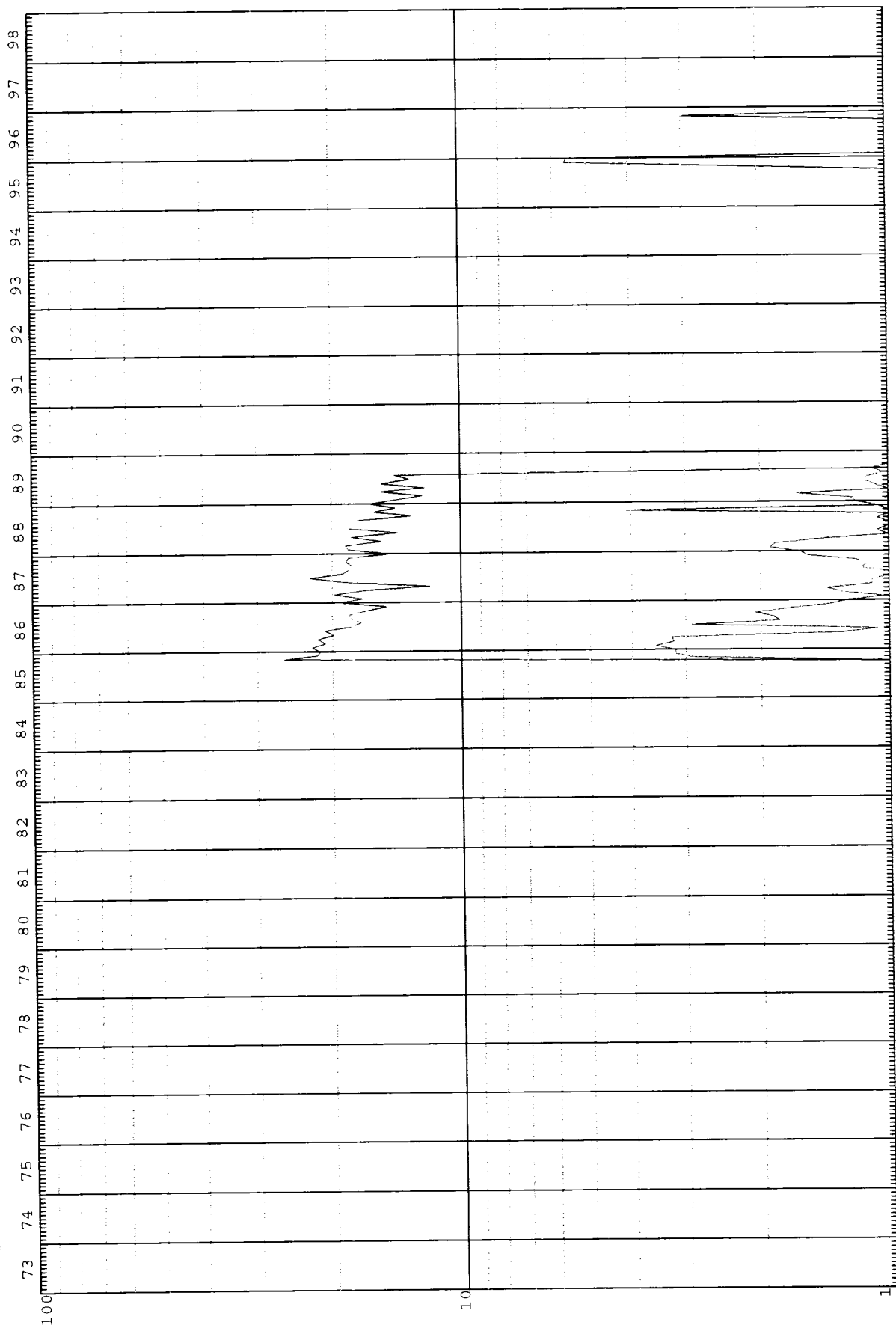
LEASE NAME: ROBERTS, C. W.
TEX_WELL_NO: 4
CURR_LSE_NO: 017665

RSVR: MV
REG_FLD: 72319



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

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



MCPPD -- EWPD
 CURRENT CUMS: OIL: 54,045 bbl GAS: 78,473 mcf WTR: 715 bbl WINJ: 0 bbl

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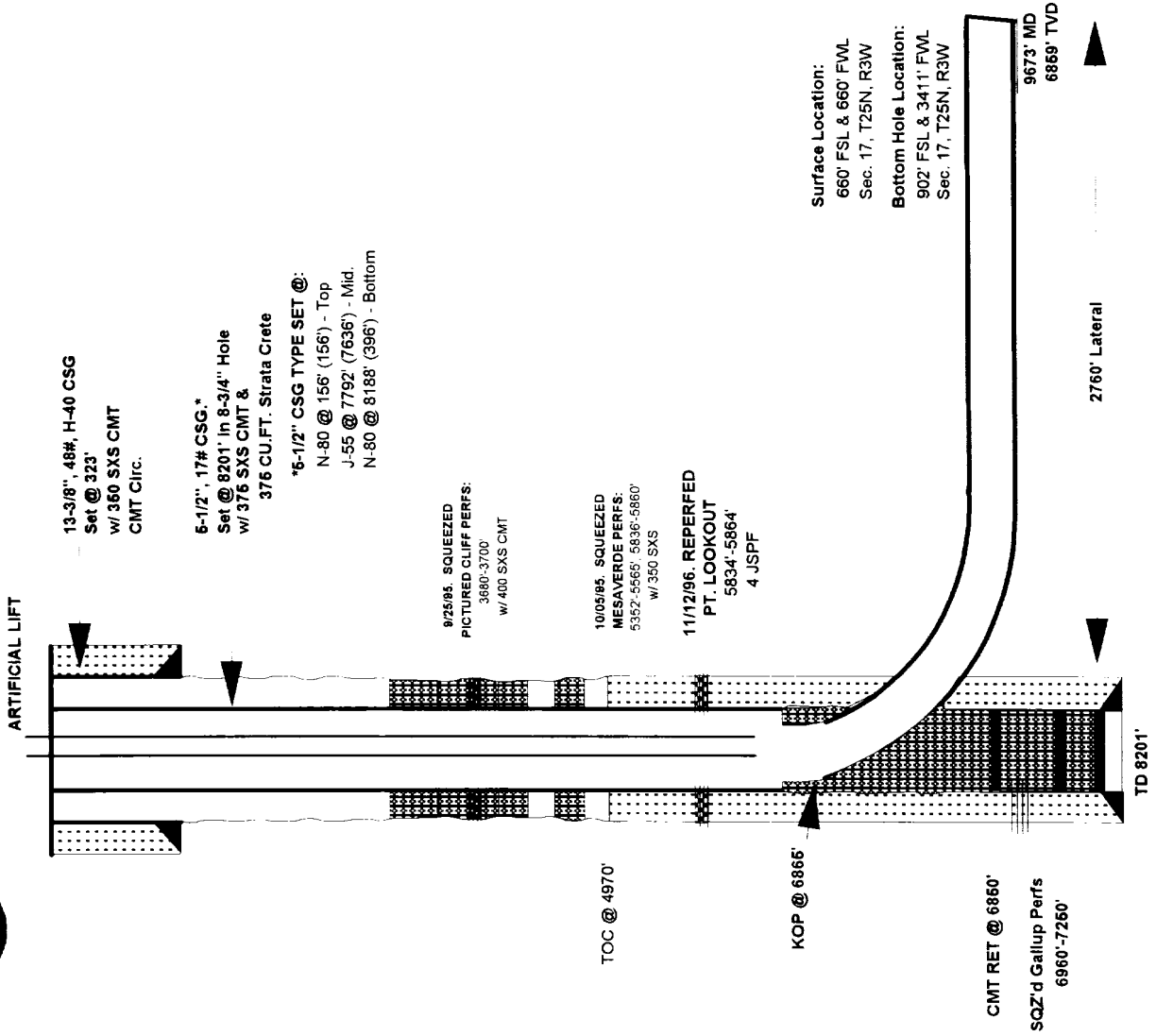
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C.W. ROBERTS No. 4

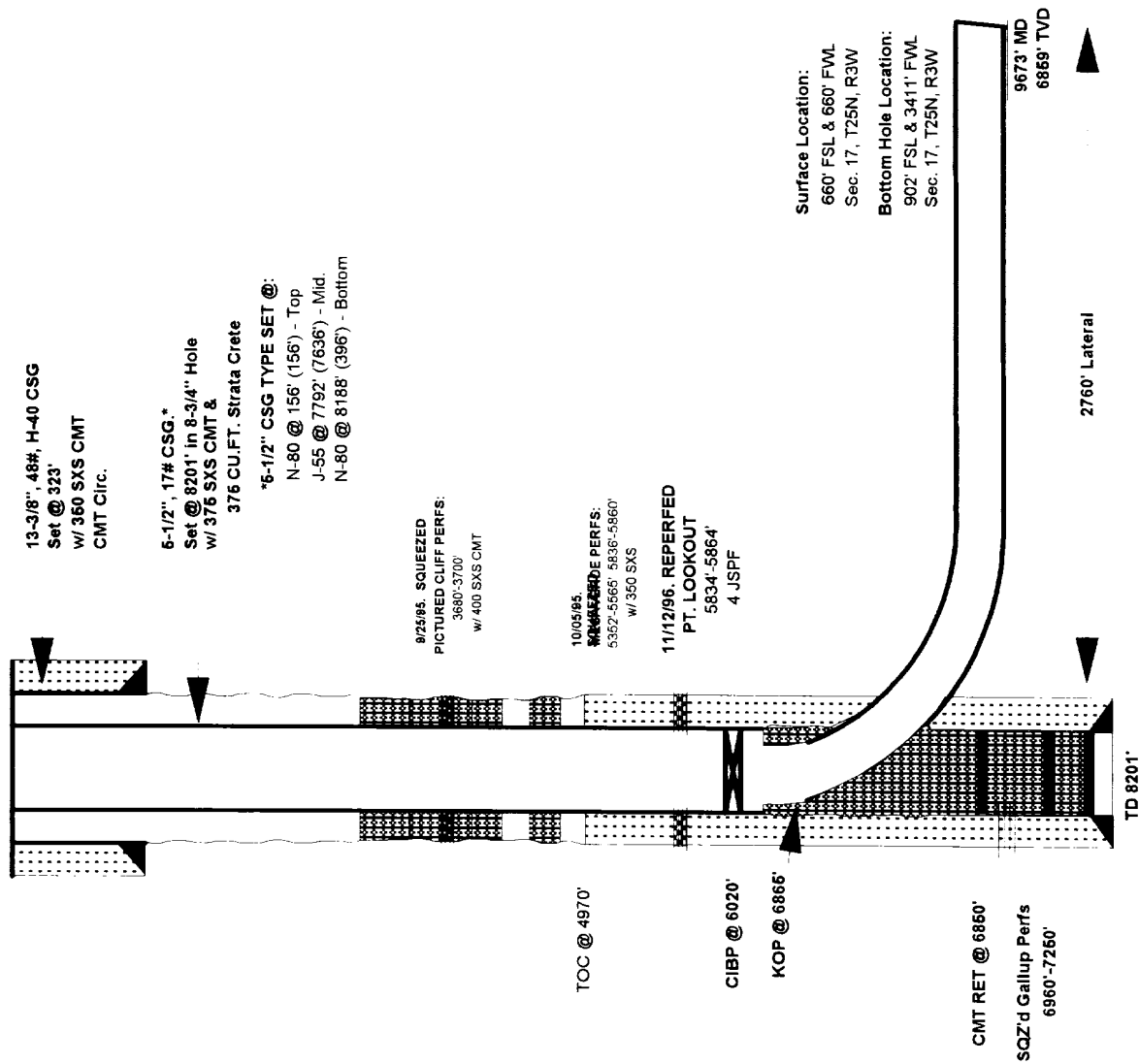
PROPOSED COMMINGLE COMPLETION

9/21/86





4/02/97



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

5. Lease Designation and Serial No. SF-079600
6. If Indian, Allottee or Tribe Name
7. If Unit or CA Agreement Designation

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
8. Well Name and Number: C W ROBERTS
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
☐ Attaching 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 MARGINAL 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

14. 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

The 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

OFFSET OPERATIONS: MESAVERDE FORMATION
(320 ACRES SPACING)

(320 ACRES SPACING)

W. W. ROBERTS: 604

P-25 H, R-31 y Sec. 171 Swift Swift.

RED ARBREA County, ALA.

E	18	G		E	17	H			
L					J				
		O		M			M		P
C		A		C					
	19				20	G	E	21	G
		O							


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

SCHALK DEVELOPMENT COMPANY (505) 881-6649
P.O. Box 25825 Sec 16 S2
ALBUQUERQUE, NM 87125

ELLIOTT OIL COMPANY
P.O. BOX 1355
ROSWELL, NM 88202

(505) 622-5840

Sec 21 N2

 LITTLE OIL & GAS INCORPORATED (505) 327-6176
P. O. BOX 1258
FARMINGTON, NM 87499 See 16 N2

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):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Elliott Oil Company
PO Box 1355
Roswell, NM 88202

4a. Article Number

P160088778

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:

- 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):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Schalk Development Co
PO Box 25825
Albuquerque, NM 87125

4a. Article Number

P160088777

4b. Service Type

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

7. Date of Delivery

5. Received By: (Print Name)

Schalk

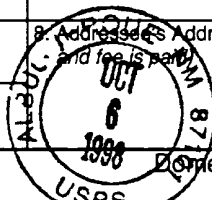
6. Signature: (Addressee or Agent)

X [Signature]

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

PS Form 3811, December 1994

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

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

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

4a. Article Number

P160088776

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

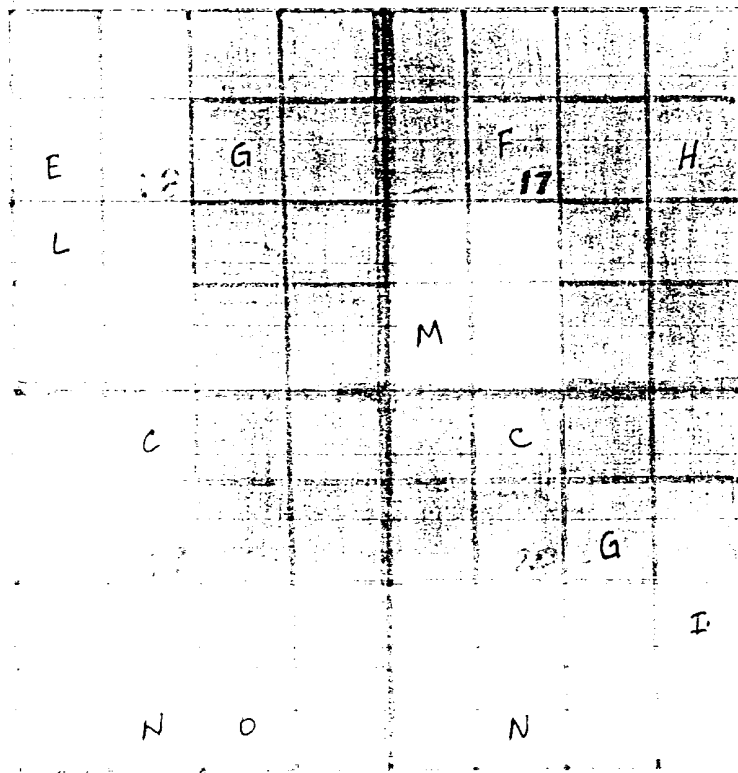
8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

OFFSET OF THE ABOVE 1 GALLUP FORMATION: (160 ACRES)
 C.W. ROBERTS #4. DAKOTA
 T-25 N, R-3 W, SEC. 17, SW 1/4, SW 1/4
 RIO ARriba COUNTY, NM



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

T-25 N, R-3 W, RIO 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