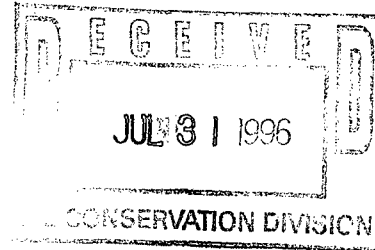


DHC 1350

8/20/96

BURLINGTON RESOURCES



July 30, 1996

Mr. William LeMay
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: San Juan 32-9 Unit #42A
840'FSL, 1460'FEL Section 6, T-31-N, R-9-W, San Juan County, NM
API #30-045-23313

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Blanco Pictured Cliffs and Blanco Mesa Verde pools in the subject well. It is intended to add the Pictured Cliffs formation to this Mesa Verde well and commingle both formations.

To comply with the New Mexico Oil Conservation Division rules, Burlington Resources Oil & Gas Company is submitting the following for your approval of this commingling:

1. Form C107A - Application for Downhole Commingling;
2. C-102 plat for each zone showing its spacing unit and acreage dedication;
3. Production curve for the Mesa Verde for at least one year;
4. Notification list of offset operators - Meridian is operator of San Juan 32-9 Unit;
5. Notification list of working, overriding, and royalty interests;
6. Shut in wellhead pressure and calculated down hole pressure;
7. Nine-section plats for the Mesa Verde and Pictured Cliffs.

If you are a working, overriding or royalty interest owner in either of the above described pools, you are being notified of this application as a requirement of the New Mexico Oil Conservation Division Rule #303C. Burlington, as operator, believes this application will be in the best interest of all owners. If you have no objection to this commingling application, you do not have to respond to this notification. Upon establishment of production from this well, you will receive your proportionate share of revenues from the pool in which you own an interest according to the proposed allocation formula.

The allocation formula will be based off actual flow rates from the Mesa Verde and Pictured Cliffs formations.

Please let me know if you require additional data.

Sincerely,

A handwritten signature in cursive script, appearing to read "Peggy Bradfield".

Peggy Bradfield
Regulatory/Compliance Administrator

encs.

xc: Bureau of Land Management

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 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107-A
New 3-12-96
APPROVAL PROCESS
☒ Administrative
☐ Hearing
EXISTING WELLBORE
☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator

Address

San Juan 32-9 Unit

42A

0-6-31N-9W

San Juan

Lease Well No. Unit Ltr. - Sec - Twp - Rge County
Spacing Unit Lease Types: (check 1 or more)
OGRID NO. 14538 Property Code 7473 API NO. 30-045-23313 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 Pictured Cliffs 72359		Blanco Mesaverde - 72319
2. Top and Bottom of Pay Section (Perforations)	Will be available and supplied when completed		4999-6078'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a. Will be supplied after completion (Original) b. Will be supplied after completion	a. b.	a. 425 psi (see attached) b. 808 psi (see attached)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1106 - (from San Juan 32-9 Unit #41A) (See attached 9-section map)		BTU 1149
7. Producing or Shut-In?	Not yet completed		producing
Production Marginal? (yes or no)	Yes		No
* If Shut-In 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: N/A Rates:	Date: Rates:	Date: N/A Rates:
* If Producing, give data and oil/gas/water of recent test (within 60 days)	Date: Rates: Will be supplied when completed	Date: Rates:	Date: 7-96 (see attached plot) Rates: 2 BOPD, 205 MCF/D & 0 BWPD
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Oil: % Gas: % Will be supplied when completed	Oil: % Gas: % Will be supplied when completed	Oil: % Gas: % Will be supplied when completed

9. If allocation formula is based upon something other than current or past production, or is based upon 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 compatible, will the 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 working, overriding, and royalty interests 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 Peggy Bradfield TITLE Regulatory Administrator DATE 7-29-96

TYPE OR PRINT NAME Peggy Bradfield TELEPHONE NO. (505) 326-9700

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Grande Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-23313	Pool Code 72359/72310	Pool Name Blanco Pictured Cliffs/Blanco Mesaverde
Property Code 7473	Property Name San Juan 32-9 Unit	Well Number 42A
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6599'

10 Surface Location

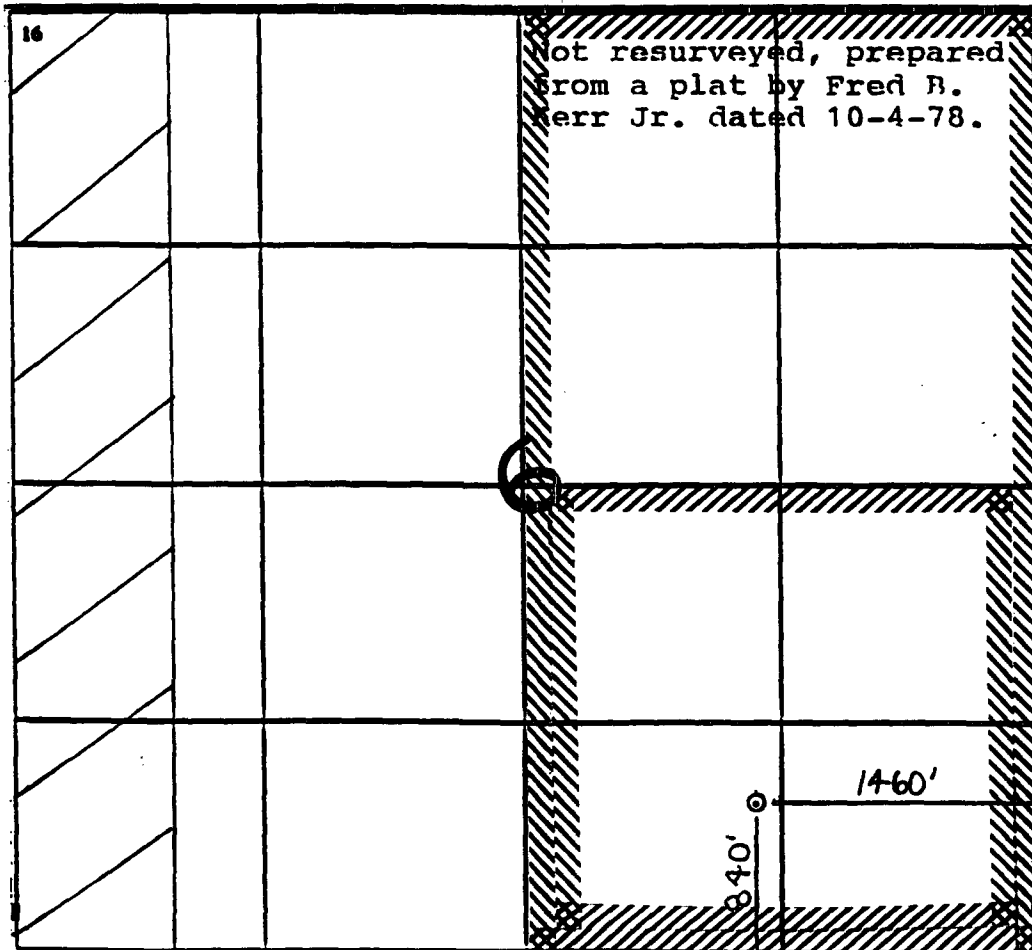
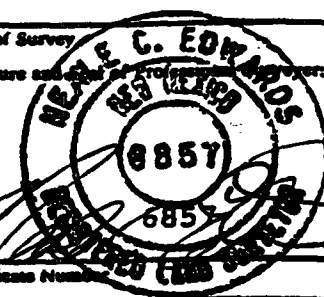
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
0	6	31 N	9 W		840	South	1460	East	S.J.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 160-E/320.60	13 Joint or Infill	14 Consolidation Code	15 Order No.
------------------------------------	--------------------	-----------------------	--------------

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

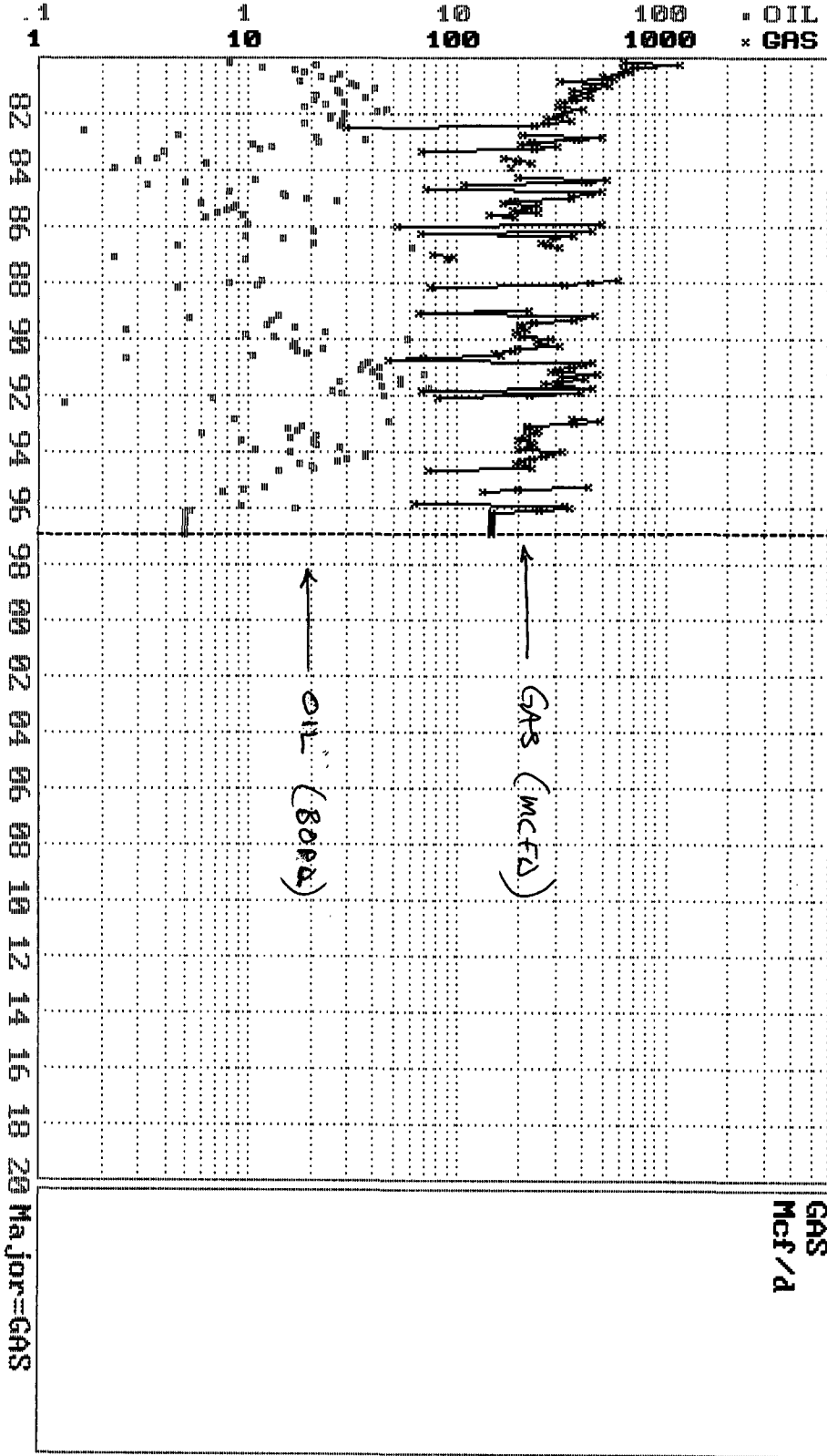
16 	Not resurveyed, prepared from a plat by Fred B. Herr Jr. dated 10-4-78.		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Perry Bradfield Printed Name Regulatory Administrator Title 6-11-96 Date
		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 belief. Date of Survey Signature and Seal of Surveyor 	

WESCAMERDE

SAN JUAN 32-9 UNIT : 42A : : 1385 CF: 93 SIP:

Prop: 4831

GAS
Mcf/d



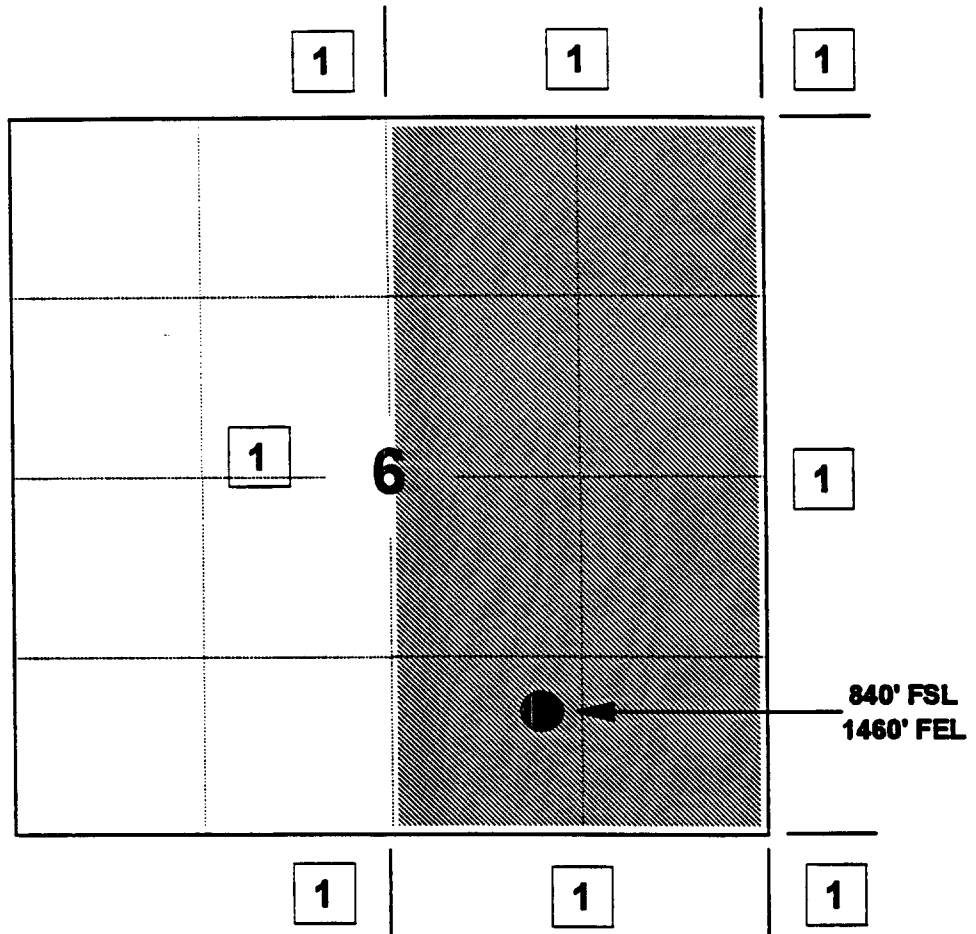
MERIDIAN OIL INC

SAN JUAN 32-9 UNIT #42A

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Pictured Cliffs Formations Commingle Well

Township 31 North, Range 9 West



1) Meridian Oil Inc.

Mesaverde Formation

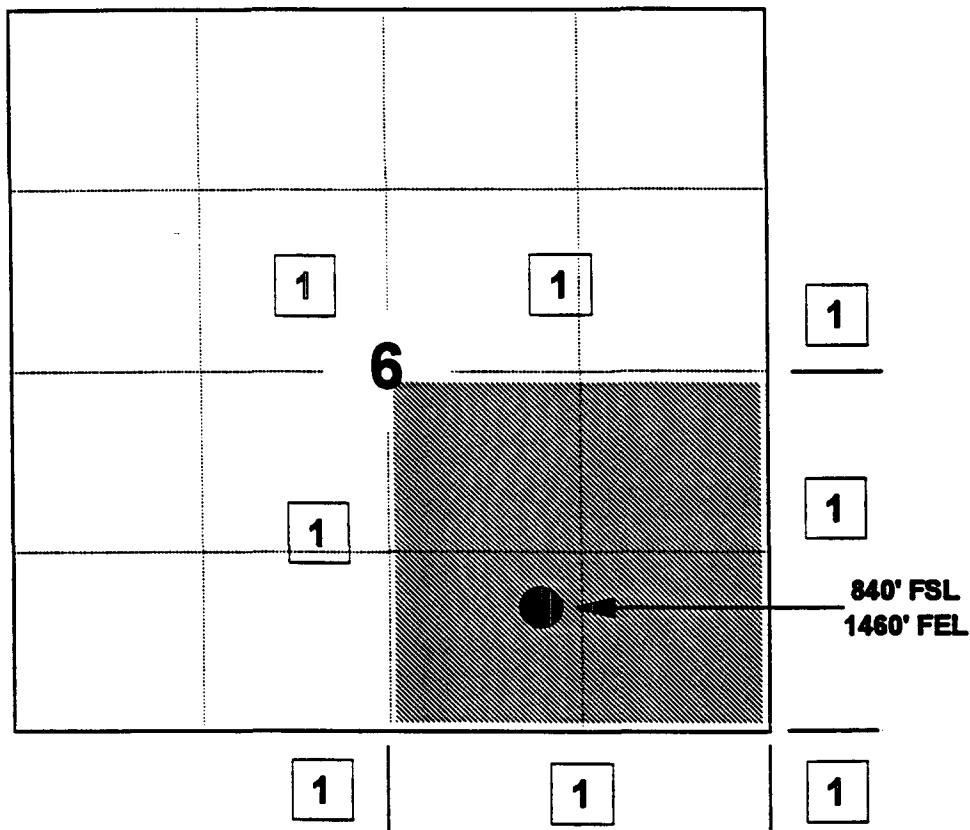
MERIDIAN OIL INC

SAN JUAN 32-9 UNIT #42A

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Pictured Cliffs Formations Commingle Well

Township 31 North, Range 9 West



1) Meridian Oil Inc.

Pictured Cliffs Formation

SAN JUAN 32-9 UNIT
MESAVERDE OWNERS

OWNER NAME
A T HANNETT III
AMOCO PRODUCTION COMPANY
CONOCO INC
FOUR STAR OIL & GAS COMPANY
G W HANNETT ESTATE
GEORGE W UMBACH
JAMES M RAYMOND
JOHN S BROWN JR
KOCH INDUSTRIES INC
LOWELL WHITE FAMILY TRUST
MARY EMILY VOLLER
PATRICIA HUETER
PHILLIPS PETROLEUM COMPANY
ROBERT UMBACH
T G CORNISH
T H MCELVAIN OIL & GAS LTD PAR
TOTAL MINATOME CORPORATION
WALTER A STEELE
WILLIAMS PRODUCTION COMPANY
AMOCO PRODUCTION COMPANY
BOLACK MINERALS COMPANY
AHEONG CHUN HEE
ALBERT HOLLY
ALBERT L HOPKINS JR
AMOCO PRODUCTION COMPANY
ANDREW KELLY JR
ANNA CELIA HOWELL HILTON
ANNE STUART BATCHELDER
ANTHONY BARD BOAND
ARCH W SHAW II TRUST
ATNA/SJ 1992
ATNA/SJ 1993-A
BEN HOWELL LANGFORD
BEN R HOWELL TRUST
BRUCE P SHAW TRUST
BRUCE P SHAW TRUST
CASTLE INC
CATHARINE H RUMML
CATHERINE ROSS
CHARLES KELLY
CHARLES SIAU
CHARLES WELLS FARNHAM JR
CHRISTOPHER G CORNELL

SAN JUAN 32-9 UNIT
MESAVERDE OWNERS

OWNER NAME
CONSTANCE CLAYTON
CORTLAND T HILL TRUST
CRAIG A CORNELL
D E CORNELL IV
D MARTIN PHILLIPS & LIANE M PH
DIANE DERRY
DONNA DIANE BANZHOF
DOROTHY M DERRY
DR JO ANNE CALLAN
E C FIEDOREK DEFINED BENEFIT P
EDNA E MORRELL LIVG TRUST
EDWARD L RYERSON JR TRST
ELAINE LYONS
ELEANOR ISHAM DUNNE
ELIZABETH B FARRINGTON
ELIZABETH H LUND ROYALTY TRUST
ELIZABETH ISHAM T TRUST
ELIZABETH N MESSECA
EMILIE M HARDIE ROYALTY TRUST
EMILY D GRAMBLING
ENCAP INVEST LC PROFIT SHARING
F F WEBSTER IV TRUST ESTATE
FREDERICK F WEBSTER JR
GARY R PETERSEN
GEORGE A RANNEY
GEORGE S ISHAM TRUST
GRETCHEN A HALL TRUST
GUY R BRAINARD JR TRUST
GWENDOLYN S CHABRIER
H H PHILLIPS JR
H MICHAEL HEISEY
HAMMOND TRUST
HANNAH E NORDHAUS
HAROLD J ATKINS
HARRIET STUART SPENCER
HENRY P ISHAM JR DECD
HOPE G SIMPSON
HOPE STERLING KELLY
HOWARD K HEE DECD
HOWELL GRANDCHILDRENS TRST EST
HUGH JAMES HALL JR
INDIANA UNIVERSITY FOUNDATION
J BRYAN STEPHENSON TRUST

SAN JUAN 32-9 UNIT
MESAVERDE OWNERS

OWNER NAME
J R BRENNAND ESTATE
J ROBERT JONES
JAMES C BARD
JAMES F CURTIS
JANE PHILLIPS
JEANNE WICKENS WING ESTATE
JILL E CORNELL
JOAN DERRY
JOHN A GRAMBLING
JOHN I SHAW JR TRUST
JOHN M SIMPSON & WILLIAM
JOHN W BARRINGER
JOSEPH C JASTRZEMBSKI
JUDITH SHAW TRUST
KATHERINE I WHITE
KAY B GUNDLACH
KEYES BABER PROPERTIES
KOCH EXPLORATION COMPANY
L T BARRINGER JR
LASALLE ADAMS FUND
LAURA DICHTER
LAURENCE BEVER KELLY
LELAND STANFORD JR UNIVERSITY
LINDA ANNE BELL
LOIS J WILLARD
LOUIS W HILL JR
LUCILLE MILLER
LYNN M SHAW
M SEAN SMITH
MABELLE H SOWERS ROYALTY TRUST
MAP 1992-A PARTNERS LP
MARGARET STUART HART
MARILYN BERG
MARTHA M LATTNER TRUST
MARY ELIZABETH HARDIE ROY TRST
MARY F LOVE
MARY GENE BLOOMQUIST
MARY JANE LINDER
MARY MAUDE STEPHENSON TRUST B
MARY S ZICK
MERIDIAN OIL INC
MERIDIAN OIL INC (SJBTPBT)
MICHAEL SIMPSON TRUST

SAN JUAN 32-9 UNIT
MESAVERDE OWNERS

OWNER NAME
MILDRED K LANE
MINNIE A FITTING
NANCY C BARD ET AL
NANCY H GERSON
NEAL TRUST
NORMAN L HAY JR GS TRUST
ODESSA ELIZABETH WILLIAMSEN
PATRICIA G HARVEY
PATRICIA SIMPSON TRUST
PAUL R MAYO JR
PAUL SLAYTON
R H FEUILLE
RALPH A BARD JR TRUSTEE
RALPH AUSTIN BARD JR
RALPH G ROBERSON JR
RALPH U FITTING JR ESTATE
RICHARD DONALD WESOLEK
RICHARD PARKER LANGFORD
RICHARD S NORDHAUS
ROBERT B FARNHAM
ROBERT D FITTING
ROBERT DOUGLAS STUART JR
ROBERT L ZORICH
ROBERT P & ANNA D EARNEST TR
ROBERT T ISHAM
ROCK ISLAND OIL & REFINING CO
ROGER D SHAW JR TRUST
RONALD E NORDHAUS
ROY E BARD JR
SABINE ROYALTY TRUST
SAMUEL D HAAS
SAN JUAN 1990-A LP
SAN JUAN BASIN POOL LTD
SUSANNA P KELLY JR
SUSANNA PHILLIPS KELLY
SUSANNE SHAW TRUST
TC/SJ 1994-A
TC/SJ 1994-A
THE IRISH FAMILY TRUSTS
THELMA ATKINS
U/W FOSTER MORRELL DECD
UNION OIL CO OF CALIF
VIRGINIA D SCARBROUGH

SAN JUAN 32-9 UNIT
MESAVERDE OWNERS

OWNER NAME
VIRGINIE W ISHAM
W H ATKINS
W WATSON LAFORCE JR
WALTER B FARNHAM
WILLIAM B HARDIE SR ROYALTY TR
WILLIAM CHARLES BANZHOF
WILLIAM D NORDHAUS
WILLIAM P SUTTER
WILLIAM SIMPSON TRUST
WILLIAM W SHAW TRUST
WINTERGREEN ENERGY CORP
A LEONARD MALONE
ANNA CELIA HOWELL HILTON
BEN HOWELL LANGFORD
BEN R HOWELL TRUST
CAROLYN DEFFEBACH
ELIZABETH JO KEENOM
ELLIS RUDY
HALLETT JOHNSON MENGEL DECD
HELEN M MOSS
HOWELL GRANDCHILDRENS TRST EST
JAMES W STEWART
JOSEPH C JASTRZEMBSKI
KATHERINE REESE SHEPHERD
KENNETH & ELSIE BLANCETT
LAURENCE BEVER KELLY
LELA J BENNETT
LUCILE O QUIGLEY TR
MARIE R RABB TRUST
MARION O MALONE
MERIDIAN OIL INC (SJBT/PBT)
MERLENE LAW MALONE
MINERALS MANAGEMENT SERVICE
ONEIDA COBERLY
PAULINE FORD
REBECCA MCCLAIN
REUBEN F MOMSEN ESTATE
RICHARD BLANCETT
RICHARD PARKER LANGFORD
ROBERT LOGAN GASTON
STATE OF NEW MEXICO
TINA GILES
WILLIAM PENN RABB TRUST
WILLIAM S RABB

Page No.: 1

Print Time: Mon Jul 29 11:46:16 1996

Property ID: 4831

MESAVERDE

Property Name: SAN JUAN 32-9 UNIT | 42A | : : 1385 CF: 93 SIP:

Table Name: K:\ARIES\RR97PDP\TEST.DBF

--DATE--	TIME-	-LONG-	PHA	TYPE	CO	--CUM_OIL-	---CUM_GAS--	-CUM_WATER	OIL_RATE	GAS_RATE	WTR_RATE	WHT	M_FWHP-	M_FBHP-	M_SIWHP	M_SIBHP	C_
*****	*****	*****	****	*****	*****	*****Bbl*****	*****Mcf*****	*****Bbl*****	*****	*****	*****	*****	*****Psi*****	*****Psi*****	*****Psi*****	*****Psi*****	*****
01/10/80						0			0		0		0.0		691.0		0.0
05/05/80						77744			0		0		328.0		492.0		0.0
10/20/81						315303			0		0		346.0		451.0		0.0
06/28/82						392209			0		0		251.0		442.0		0.0
07/12/84						521039			0		0		309.0		452.0		0.0
04/04/86						656318			0		0		325.0		523.0		0.0
03/29/89						796485			0		0		305.0		445.0		0.0
05/27/91						1023322			0		0		372.0		375.0		0.0
06/17/91						997111									363.0		
08/14/93						1185554			0		0		249.0		367.0		0.0

SAN JUAN 32-9 UNIT #42A (MESAVERDE CURRENT BOTTOM HOLE CALCULATED PRESSURE)**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

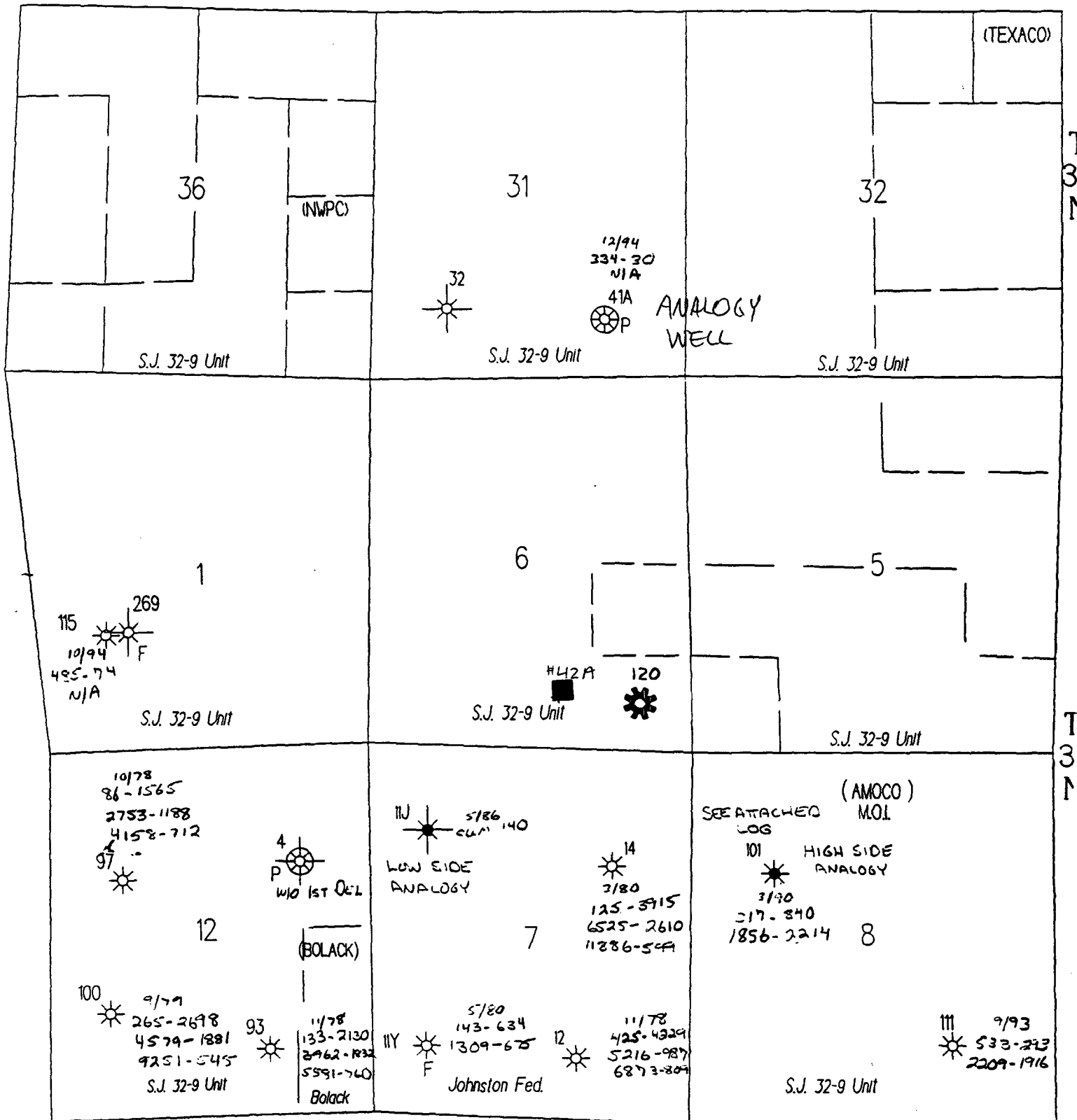
GAS GRAVITY	0.687
COND. OR MISC. (C/M)	C
%N2	0.21
%CO2	1.87
%H2S	0
DIAMETER (IN)	2.441
DEPTH (FT)	6078
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	367
BOTTOMHOLE PRESSURE (PSIA)	425.4

SAN JUAN 32-9 UNIT #42A (MESAVERDE ORIGINAL) BOTTOM HOLE CALCULATED PRESSURE**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.687
COND. OR MISC. (C/M)	C
%N2	0.21
%CO2	1.87
%H2S	0
DIAMETER (IN)	2.441
DEPTH (FT)	6078
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	691
BOTTOMHOLE PRESSURE (PSIA)	807.6

SECTION 6. T31N. R09W BLANCO PICTURED CLIFFS

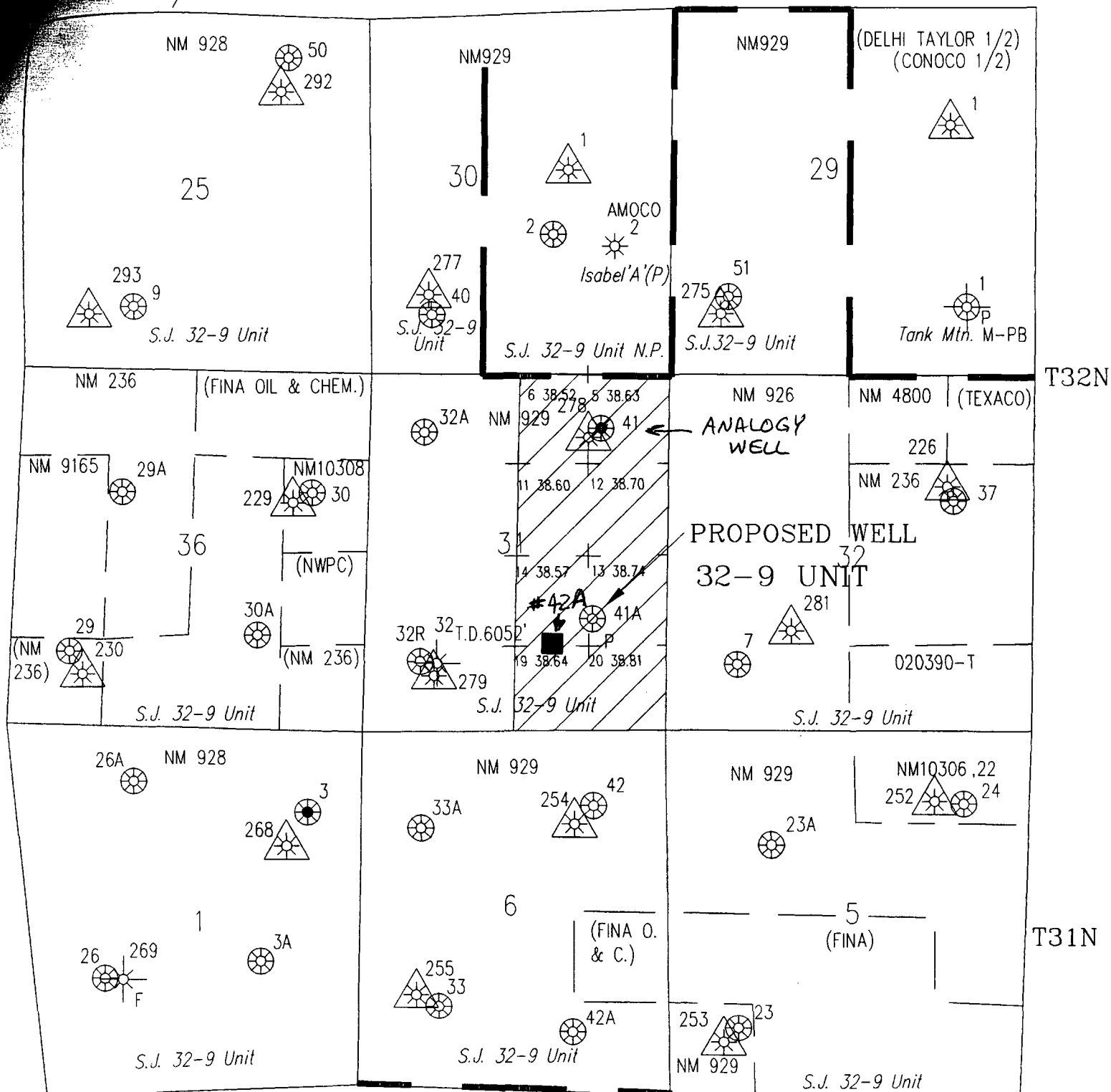


T-10-W

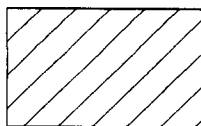
R-09-W

LEGEND
FIRST PRODUCE:
MCPD-CUM (M)
FRR-NG-REM-
RI- ISIP

AN JUAN 32-9 UNIT # 42A
TURED CLIFFS/MESAVERDE DUAL
E/2 SECTION 31-32N-9W



- | | | | |
|---|-----------------|---|-----------|
|  | FRUITLAND SAND |  | MESAVERDE |
|  | FRUITLAND COAL |  | DAKOTA |
|  | PICTURED CLIFFS |  | GALLUP |



SPACING UNIT FOR MV / PC