

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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SANTA FE	
FILE	
U.S.O.B.	
LAND OFFICE	
TRANSPORTER	OIL
OPERATION	GAS
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 00-01-83  
Page 1

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

DEC 09 1987

OIL CON. DIV.  
DIST. 3

I. Operator Southern Union Exploration Company

Address P. O. Box 2179 Farmington, NM 87499

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter oil:	<input type="checkbox"/> Oil	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Casinthead Gas	<input checked="" type="checkbox"/> Condensate	
<input type="checkbox"/> Change in Ownership			

Other (Please explain) \_\_\_\_\_

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Jicarilla "E"</u>	Well No. <u>9</u>	Pool Name, including Formation <u>Basin Dakota</u>	Kind of Lease State, Federal or Fee <u>Federal</u>	Lease No Contract <u>104</u>
Location				
Unit Letter <u>B</u> : <u>1135</u> Feet From The <u>North</u> Line and <u>1605</u> Feet From The <u>East</u>				
Line of Section <u>16</u> Township <u>26</u> Range <u>4</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Gary Energy Corporation</u>	<u>P. O. Box 159 Bloomfield, NM 87413</u>
Name of Authorized Transporter of Casinthead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Gas Company of New Mexico</u>	<u>P. O. Box 1899 Bloomfield, NM 87413</u>
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When _____

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Martin D. Boggs

Martin D. Boggs  
(Signature)

Drilling & Production Supt.

(Title)

December 15, 1987

(Date)

OIL CONSERVATION DIVISION

DEC 09 1987

APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY [Signature]  
TITLE SUBDIVISION DISTRICT # 3

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allow able on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of own well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multi completed wells.

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

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-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

I. Operator Southern Union Exploration Company		Well API No.
Address 324 Hwy US64, NBU3001 Farmington, NM 87401		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input checked="" type="checkbox"/>
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name Jicarilla E	Well No. 9	Pool Name, Including Formation Basin Dakota	Kind of Lease State Federal or Fee	Lease No. Contract 104
Location Unit Letter B : 1135 Feet From The North Line and 1605 Feet From The East Line Section 16 Township 26 Range 4, NMPM, Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> Giant Refining Company XXX	Address (Give address to which approved copy of this form is to be sent) Post Office Box 256 Farmington, NM 87499					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> Gas Company of New Mexico XXX	Address (Give address to which approved copy of this form is to be sent) Post Office Box 1899 Bloomfield, NM 87413					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twsp.	Rge.	Is gas actually connected?	When ?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Linda Murphy Office Supervisor  
Printed Name Linda Murphy Title  
Date 1/1/92 Telephone No. 505/327-4481

OIL CONSERVATION DIVISION

Date Approved DEC 28 1991  
By Frank J. Quigley  
Title SUPERVISOR DISTRICT # 3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
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1000 Rio Brazos Rd., Aztec, NM 87410

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-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator Merit Energy Company	Well API No. 30-039-20103
Address 12221 Merit Drive, Suite #500 Dallas, Texas 75251	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of operator give name and address of previous operator Southern Union Exploration Company 324 Hwy US64, NBU3001 Farmington, NM 87401

II. DESCRIPTION OF WELL AND LEASE

Lease Name Jicarilla E	Well No. 9	Pool Name, including Formation Tapacito Pictured Cliffs	Kind of Lease State, Federal or Fee	Lease No. 104
Location				
Unit Letter B	: 1135	Feet From The North	Line and 1605	Feet From The East
Section 16	Township 26 North	Range 4 West	NMPM, Rio Arriba	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Gas Company of New Mexico	Post Office Box 1899 Bloomfield, NM 87413	
If well produces oil or liquids, give location of tanks.	Unit	Sec.
	Twp.	Rge.
	Is gas actually connected?	When ?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

APR 12 1993  
OIL CON. DIV  
DIST. 3

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Donald E. Spence  
Printed Name: Donald E. Spence Vice-President  
Date April 1, 1993 Telephone No. 214/701-8377

OIL CONSERVATION DIVISION

APR 12 1993

Date Approved

By Barry J. Shum

SUPERVISOR DISTRICT #3

Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

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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-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator <b>Merit Energy Company</b>		Well API No. <b>30-039-20103</b>
Address <b>12221 Merit Drive, Suite #500 Dallas, Texas 75251</b>		
Reason(s) for Filing (Check proper box) New Well <input type="checkbox"/> Change in Transporter of: <input type="checkbox"/> Other (Please explain) Recompletion <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Change in Operator <input checked="" type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>		
If change of operator give name and address of previous operator <b>Southern Union Exploration Company 324 Hwy US64, NBU3001 Farmington, NM 87401</b>		

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Jicarilla E</b>	Well No. <b>9</b>	Pool Name, including Formation <b>Basin Dakota</b>	Kind of Lease State, Federal or Fee	Lease No. <b>Contract 104</b>
Location Unit Letter <b>B</b> : <b>1135</b> Feet From The <b>North</b> Line and <b>1605</b> Feet From The <b>East</b> Line Section <b>16</b> Township <b>26 N</b> Range <b>4 W</b> , <b>NMPM</b> , <b>Rio Arriba</b> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> <b>Giant Refining Company</b>	Address (Give address to which approved copy of this form is to be sent) <b>Post Office Box 256 Farmington, NM 87499</b>					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <b>Gas Company of New Mexico</b>	Address (Give address to which approved copy of this form is to be sent) <b>Post Office Box 1899 Bloomfield, NM 87413</b>					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)			
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

**RECEIVED**  
**APR 12 1993**  
**OIL CON.**  
**DIST. 3**

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Donald E. Spence  
Printed Name **Donald E. Spence** Vice-President  
Date **April 1, 1997** Title **214/701-8377**  
Telephone No.

OIL CONSERVATION DIVISION

Date Approved **APR 12 1993**  
By Barry D. Shugart  
Title **SUPERVISOR DISTRICT #3**

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
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- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.  
JIC 104

6. If Indian, Allottee or Tribe Name  
Jicarilla Apache

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jicarilla "E" 9

9. API Well No.  
30-039-20103

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

Rio Arriba, New Mexico

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 Gas  
☐ Well ☒ Well ☐ Other

2. Name of Operator

Merit Energy Company

3. Address and Telephone No.

12222 Merit Drive, Suite 1500, Dallas, TX 75251 (214) 701-8377

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NE  
SEC. 16, T-26N, R-4W  
1135' FNL & 1605' FEL

12. ECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment  
☒ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other Water Disposal Method

- ☐ 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 detail, 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.)\*

Merit Energy Company hereby requests approval to recomplete to the Blanco Mesaverde and commingle with the Basin Dakota.

See attached proposed procedure.

RECEIVED  
MAR 2 1995  
OIL CON. DIV.  
DISTRICT

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

Signed [Signature]

Title Regulatory Manager

Date 3/15/95

(This space for Federal or State office use)

Approved by [Signature]

[Signature] Chief, Lands and Mineral Resources  
Title \_\_\_\_\_

MAR 27 1995  
Date \_\_\_\_\_

Conditions of approval, if any:

out 3/23/95  
1005/12/155 Confain any fluids in tank per BIA & Tribal requirements  
Submit well completion report (Form 3160-4) when work completed.

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

\*See Instructions on Reverse Side

**Jicarilla E #9**  
**Section 16, T26N-R4W**  
**Rio Arriba County, NM**  
**Mesaverde Recompletion**

**Background:** The Jicarilla E #9 was drilled and completed in July 1968 as a Gallup and Dakota dual. The well currently produces at a rate of 153 MCFD from the Gallup and 134 MCFD from the Dakota with cumulative production of 993 MMCF and 321 MMCF respectively. The well has never been pulled. It is recommended to complete this well in the Mesaverde and commingle with the Dakota. The Mesaverde will be produced as a dual Gallup and Mesaverde/Dakota.

**Well Data:**

TD: 8222'

PBTD: 8196'

Casing: 7-5/8" 26.4#, J-55 set @ 4034'

Liner: 5-1/2", 15.5#, J-55 from 3890' to 8222'

Tubing: Long string - 2-3/8", 4.7#, EUE @ 7900'. F Nipple @ 7899'

Short string - 1-1/2", 2.75#, IJ @ 3810'. F Nipple @ 3802'

Packer: Model D set @ 7900'

Existing

Perfs: PC - 3804-26

DK - 7987-91, 7998-8018, 8120-37, 8160-74

**Procedure:**

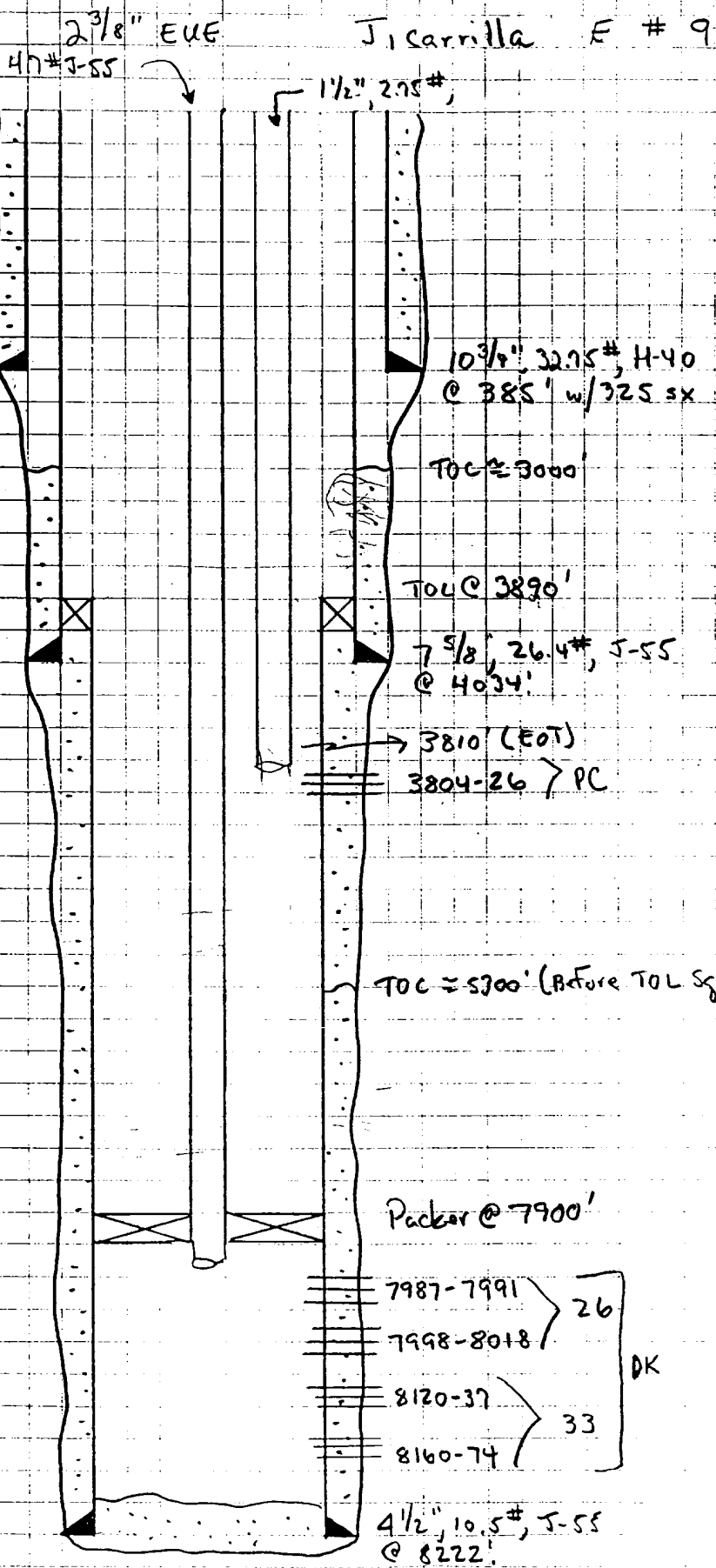
1. MIRU WSU. ND Wellhead and NU BOP's.
2. MIRU wireline unit. RIH w\ blanking plug and set in Model D.
3. POOH w\ 3810' 1-1/2" IJ and stand back. Sting out of Model D @ 7900' and POOH w\ 2-3/8" long string.
4. RIH w\ wireline set RBP and set @ +/- 6100' and test to 3000 psi.
5. TIH w\ logging tools. Run GR -CCL from 5000' to 6000'.
6. RIH w\ 3-3/8" HSC loaded w\ 1 spf select fire charges. Perforate at the specified depths (Perfs will be picked from GR). RDMO wireline unit.

**Jicarilla E #9**

**Mesaverde Recompletion**

**Page 2**

7. Pick up 2-7/8" workstring. RIH w\ PPI tool on 8 foot spacing and break down perfs with 1.5 bbl/ft of 7-1/2% Hcl. POOH w\ PPI and lay down.
8. RIH w\ 2-7/8" workstring and treating packer. Set packer @ +/- 4200' and test.
9. MIRU Frac crew and frac according to attached procedure.
10. POOH w\ workstring and treating packer.
11. Clean out to RBP. POOH w\ RBP.
12. TIH w\ production strings. ND BOPs and NU Wellhead.



### History

7/68: D.C. 5qz TOL w/ 100sx  
 @ 2000'. Perf 8120-74.  
 Frac w/ 10,000# 20/40, 50,000#  
 10/20 & 1000# 8/32 glass.  
 ISIP = 2700' AR = 40.5 BPM  
 Set BP @ 8050'.

Perf 7987-8018'. Frac w/  
 10,000# 20/40, 50,000# 10/20 &  
 1000# 8/12 glass. ISIP = 2400'  
 AR = 34 BPM.  
 Set BP @ 3950'.

Perf 3804-26. Frac w/ 10,000#  
 20/40, 50,000# 10/20. ISIP = 0'  
 AR = 60 BPM.

Do BP's.

IP: DK: 1505 McFPD  
 PC: 1815 McFPD

TO = 8222'  
 PBTD = 8196'



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

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Rio Brazos Rd, Aztec, NM 87410

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-107  
Revised 4-1-91

Filing Instructions  
Bottom of Page

APPLICATION FOR MULTIPLE COMPLETION

Operator	Address
Merit Energy Company	12222 Merit Drive, Suite 1500, Dallas, Texas 75251
Lease	Well No. Unit Ltr. - Sec - Twp - Rge County
Jicarilla E	9 B 16 26N 4W Rio Arriba

All applicants for multiple completion must complete Items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Tapacito Pictured Cliffs		Blanco Mesaverde
b. Top and Bottom of Pay Section (Perforations)	3804-3826		5936-6029
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
e. Daily Production <input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimated Oil Bbls. Gas MCF Water Bbls.	154	<b>RECEIVED</b> JUN - 7 1995 OIL CON. DIV.	350

2. The following must be attached:
- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
  - Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
  - Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

OPERATOR:

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

Signature Robert R. Matejek

Printed Name & Title Robert R. Matejek Regional Mgr.

Date 6-6-95 Telephone (214) 701-8377

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY ERNIE BUSCH

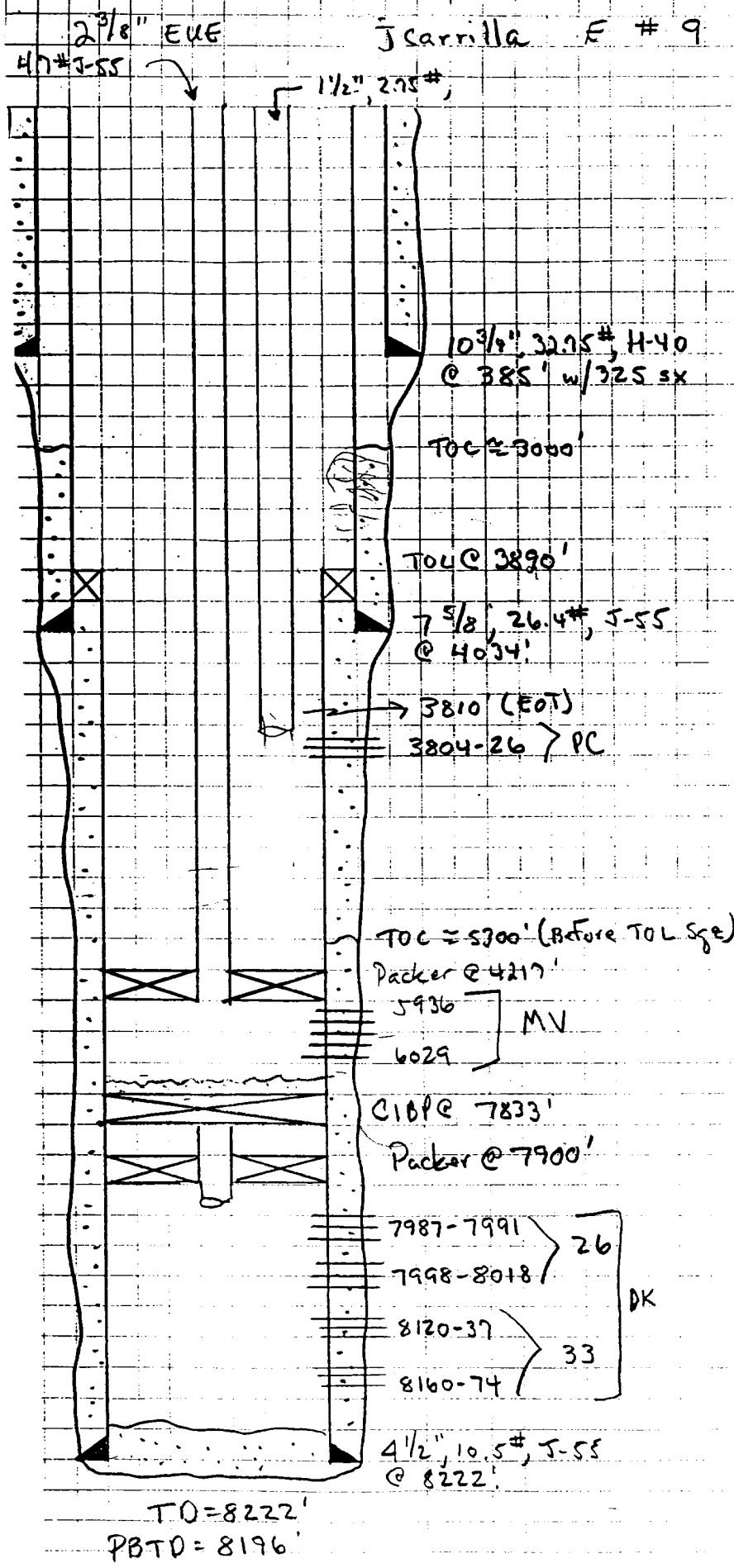
Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3

Date: JUN 1 2 1995

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

FILING INSTRUCTIONS:

- District Approval -- See rule 112-A-B -- Submit 4 copies of Form C-107 with attachments to appropriate district office.
- Division Director Administrative Approval -- See Rule 112-C -- Submit 2 copies of Form C-107 with attachments to Division office in Santa Fe and 2 copies of Form C-107 with attachments to appropriate district office.
- Multiple completions not qualifying for District or Division Director approval may be set for hearing as outlined in Rule 112-A-E.



## History

7/68: D/LC. Sg  $\pm$  TOL w/ 100SX  
 @ 2000#. Perf 8120-74.  
 Frac w/ 10,000# 20/40, 50,000#  
 10/20  $\pm$  1000# 8/12 glass.  
 ISIP = 2700# AR = 40.5 BPM  
 Set BP @ 8050'


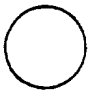
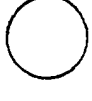




Perf 7987-8018' Frac w/  
 10,000# 20/40, 50,000# 10/20  $\pm$   
 1000# 8/12 glass. ISIP = 2400#  
 AR = 34 BPM  
 Set BP @ 3950'.

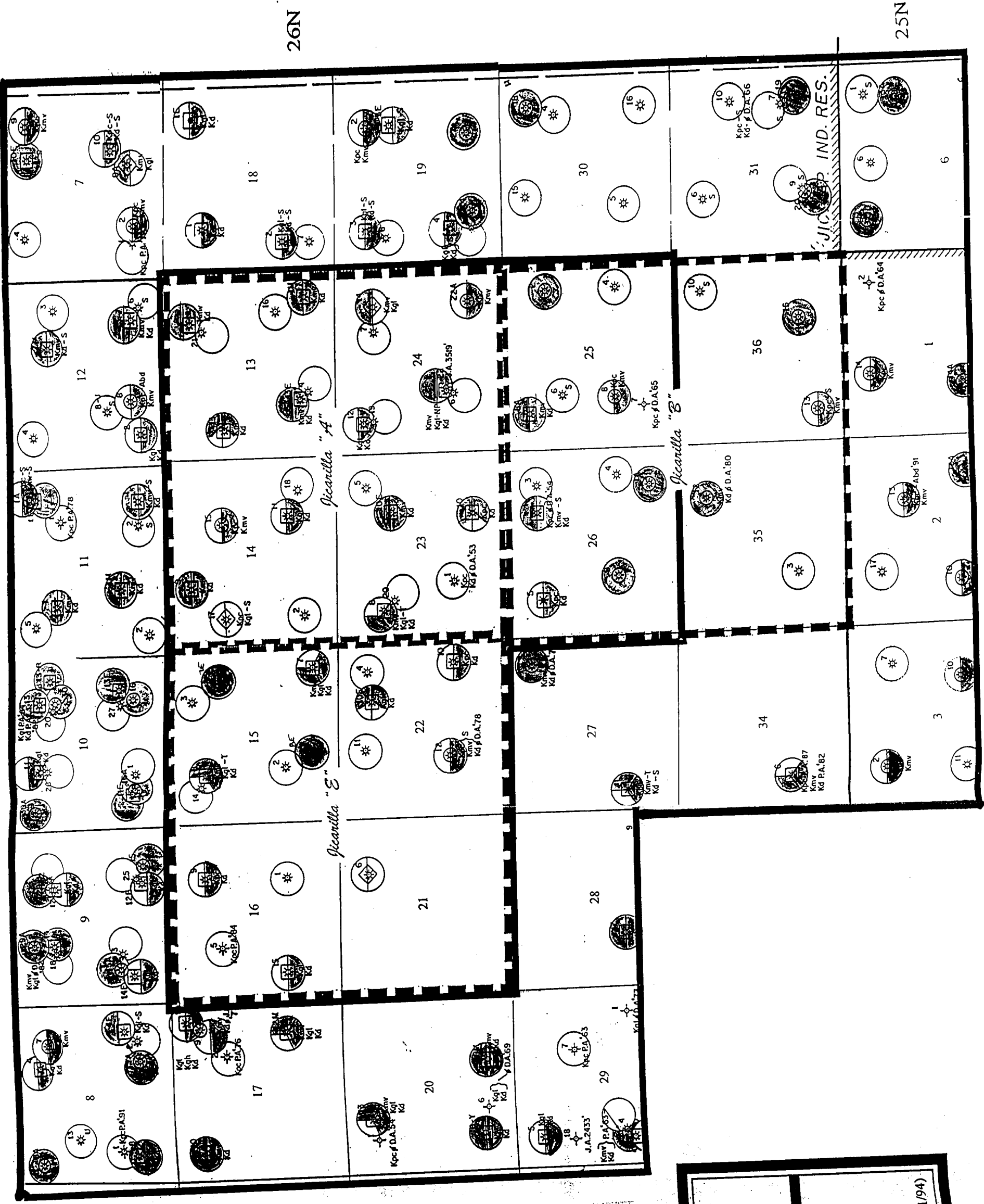
Perf 3804-26. Frac w/ 10,000#  
 20/40, 50,000# 10/20. ISIP = 0  
 AR = 60 BPM.

Do BP's.

IP: DK: 150.5 MCF/D  
 PC: 1815 MCF/D

# EXPLANATION:

-  Fruitland Coal
-  Pictured Cliffs
-  Chacra
-  Mesaverde
-  Gallup
-  Dakota
-  Application Area



**MERIT ENERGY COMPANY**  
 12222 MERIT DRIVE, SUITE 1500  
 DALLAS, TEXAS 75261

**PRODUCING ZONE MAP**  
**JICARILLA LEASE**  
 Rio Arriba County, NM

G. A. Jenner (1/94)

# Exhibit E

## Offset Operators

State	County	Reservoir	Location	Operator	Lease Name	Well	Status
NM	RIO ARRIBA	MESAVERDE	7A 26N 3W	SNYDER OIL CORP	TRIBAL C	9	ACT
NM	RIO ARRIBA	DAKOTA	7B 26N 3W	SNYDER OIL CORP	TRIBAL C	10E	ACT
NM	RIO ARRIBA	DAKOTA	7J 26N 3W	SNYDER OIL CORP	TRIBAL C	10	ACT
NM	RIO ARRIBA	MESAVERDE	7N 26N 3W	MERIDIAN OIL INC	JICARILLA 97	2	ACT
NM	RIO ARRIBA	MESAVERDE	7O 26N 3W	SNYDER OIL CORP	TRIBAL C	9A	ACT
NM	RIO ARRIBA	MESAVERDE	17A 26N 3W	MERIDIAN OIL INC	JICARILLA 98	6	INA
NM	RIO ARRIBA	DAKOTA	17E 26N 3W	NASSAU RESOURCES INC	APACHE	5	INA
NM	RIO ARRIBA	DAKOTA	17G 26N 3W	NASSAU RESOURCES INC	APACHE	5E	INA
NM	RIO ARRIBA	DAKOTA	17M 26N 3W	NASSAU RESOURCES INC	APACHE	6	INA
NM	RIO ARRIBA	DAKOTA	18A 26N 3W	NASSAU RESOURCES INC	APACHE	1E	INA
NM	RIO ARRIBA	DAKOTA	18D 26N 3W	NASSAU RESOURCES INC	APACHE	1	INA
NM	RIO ARRIBA	DAKOTA	18L 26N 3W	NASSAU RESOURCES INC	APACHE	2	INA
NM	RIO ARRIBA	MESAVERDE	30A 26N 3W	MERIT ENERGY CORP	JICARILLA D	18	ACT
NM	RIO ARRIBA	MESAVERDE	31I 26N 3W	MERIT ENERGY CORP	JICARILLA D	19	ACT
NM	RIO ARRIBA	MESAVERDE	31N 26N 3W	MERIT ENERGY CORP	JICARILLA D	20	ACT
NM	RIO ARRIBA	MESAVERDE	8A 26N 4W	MERIDIAN OIL INC	JICARILLA 119 N	7	ACT
NM	RIO ARRIBA	DAKOTA	8B 26N 4W	SNYDER OIL CORP	NORTHWEST	4	ACT
NM	RIO ARRIBA	MESAVERDE	8D 26N 4W	MERIDIAN OIL INC	JICARILLA 119 N	8A	ACT
NM	RIO ARRIBA	DAKOTA	8I 26N 4W	SNYDER OIL CORP	NORTHWEST	4E	ACT
NM	RIO ARRIBA	DAKOTA	8M 26N 4W	MERIDIAN OIL INC	JICARILLA 119 N	8	ACT
NM	RIO ARRIBA	MESAVERDE	8M 26N 4W	MERIDIAN OIL INC	JICARILLA 119 N	8	ACT
NM	RIO ARRIBA	MESAVERDE	8O 26N 4W	MERIDIAN OIL INC	JICARILLA 119 N	7A	ACT
NM	RIO ARRIBA	MESAVERDE	9C 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	29A	INA
NM	RIO ARRIBA	DAKOTA	9F 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	14	INA
NM	RIO ARRIBA	DAKOTA	9G 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	12	INA
NM	RIO ARRIBA	MESAVERDE	9G 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	29	INA
NM	RIO ARRIBA	MESAVERDE	9L 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	15A	INA
NM	RIO ARRIBA	DAKOTA	9M 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	14E	INA
NM	RIO ARRIBA	DAKOTA	9O 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	12E	INA
NM	RIO ARRIBA	MESAVERDE	9P 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	15	INA
NM	RIO ARRIBA	DAKOTA	10B 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	13	P&A
NM	RIO ARRIBA	DAKOTA	10C 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	11	INA
NM	RIO ARRIBA	MESAVERDE	10D 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	30A	INA
NM	RIO ARRIBA	MESAVERDE	10G 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	30	INA
NM	RIO ARRIBA	DAKOTA	10H 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	13R	INA
NM	RIO ARRIBA	DAKOTA	10I 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	13E	INA
NM	RIO ARRIBA	DAKOTA	10M 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	11E	INA
NM	RIO ARRIBA	MESAVERDE	10M 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	16A	INA
NM	RIO ARRIBA	MESAVERDE	10O 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	16	INA
NM	RIO ARRIBA	DAKOTA	11A 26N 4W	SNYDER OIL CORP	JICARILLA C	1E	ACT
NM	RIO ARRIBA	MESAVERDE	11A 26N 4W	SNYDER OIL CORP	JICARILLA C	1A	ACT
NM	RIO ARRIBA	DAKOTA	11F 26N 4W	SNYDER OIL CORP	MCINTYRE	1	ACT
NM	RIO ARRIBA	MESAVERDE	11F 26N 4W	SNYDER OIL CORP	MCINTYRE	1	ACT
NM	RIO ARRIBA	DAKOTA	11K 26N 4W	SNYDER OIL CORP	MCINTYRE	1M	ACT
NM	RIO ARRIBA	MESAVERDE	11K 26N 4W	SNYDER OIL CORP	MCINTYRE	1M	ACT
NM	RIO ARRIBA	DAKOTA	11P 26N 4W	SNYDER OIL CORP	JICARILLA C	1	ACT
NM	RIO ARRIBA	MESAVERDE	11P 26N 4W	SNYDER OIL CORP	JICARILLA C	1	ACT
NM	RIO ARRIBA	DAKOTA	12G 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	7M	INA
NM	RIO ARRIBA	MESAVERDE	12G 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	7M	ACT
NM	RIO ARRIBA	DAKOTA	12M 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	2	ACT
NM	RIO ARRIBA	MESAVERDE	12N 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	8	ACT
NM	RIO ARRIBA	DAKOTA	12P 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	7	ACT
NM	RIO ARRIBA	MESAVERDE	12P 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	7	ACT
NM	RIO ARRIBA	DAKOTA	17A 26N 4W	MERIDIAN OIL INC	JICARILLA 103	12	ACT
NM	RIO ARRIBA	MESAVERDE	17A 26N 4W	MERIDIAN OIL INC	JICARILLA 103	9	ACT
NM	RIO ARRIBA	DAKOTA	17D 26N 4W	MERIDIAN OIL INC	JICARILLA 103	10	ACT
NM	RIO ARRIBA	MESAVERDE	17D 26N 4W	MERIDIAN OIL INC	JICARILLA 103	10	ACT
NM	RIO ARRIBA	DAKOTA	17I 26N 4W	MERIDIAN OIL INC	JICARILLA 103	12M	ACT
NM	RIO ARRIBA	MESAVERDE	17I 26N 4W	MERIDIAN OIL INC	JICARILLA 103	12M	ACT
NM	RIO ARRIBA	DAKOTA	20C 26N 4W	MERIDIAN OIL INC	JICARILLA 103	13	INA
NM	RIO ARRIBA	MESAVERDE	20C 26N 4W	MERIDIAN OIL INC	JICARILLA 103	13	ACT
NM	RIO ARRIBA	DAKOTA	20M 26N 4W	MERIDIAN OIL INC	JICARILLA 103	6Y	ACT
NM	RIO ARRIBA	MESAVERDE	20M 26N 4W	MERIDIAN OIL INC	JICARILLA 103	6Y	ACT
NM	RIO ARRIBA	DAKOTA	20O 26N 4W	MERIDIAN OIL INC	JICARILLA 103	6M	ACT
NM	RIO ARRIBA	MESAVERDE	20O 26N 4W	MERIDIAN OIL INC	JICARILLA 103	6M	ACT

# Exhibit E

## Offset Operators

State	County	Reservoir	Location	Operator	Lease Name	Well	Status
NM	RIO ARRIBA	DAKOTA	27L 26N 4W	MERIDIAN OIL INC	JICARILLA F	1	INA
NM	RIO ARRIBA	MESAVERDE	27A 26N 4W	MERIDIAN OIL INC	JICARILLA F	3	ACT
NM	RIO ARRIBA	MESAVERDE	27L 26N 4W	MERIDIAN OIL INC	JICARILLA F	1	INA
NM	RIO ARRIBA	DAKOTA	28K 26N 4W	MERIDIAN OIL INC	JICARILLA F	7	INA
NM	RIO ARRIBA	MESAVERDE	28K 26N 4W	MERIDIAN OIL INC	JICARILLA F	7	ACT
NM	RIO ARRIBA	DAKOTA	29D 26N 4W	NASSAU RESOURCES INC	JICARILLA	5	INA
NM	RIO ARRIBA	DAKOTA	29L 26N 4W	MCHUGH JEROME P & ASSOC	JICARILLA	6	INA
NM	RIO ARRIBA	DAKOTA	29L 26N 4W	NORTHWEST PROD CORP	JICARILLA 12O C	2	P&A
NM	RIO ARRIBA	MESAVERDE	29L 26N 4W	NORTHWEST PROD CORP	JICARILLA 12O C	2	P&A
NM	RIO ARRIBA	MESAVERDE	34L 26N 4W	MERIDIAN OIL INC	JICARILLA F	6	ACT
NM	RIO ARRIBA	DAKOTA	34L 26N 4W	SUPRON ENERGY CORP	JICARILLA F	6	INA

## **Offset Operators**

Snyder Oil Corp.  
1801 California St., Suite 3500  
Denver, CO 80202

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

Conoco Inc.  
10 Desta Drive, Suite 100W  
Midland, TX 79705

Amoco Production Compay  
200 Amoco Ct.  
Farmington, NM 87401

Southland Royalty Co.  
Box 4239  
2919 Allen Parkway  
Houston, TX 72210

Jerome P. McHugh and Associates  
650 Cherry St., Suite 1225  
Denver, CO 80222

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos 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

1 API Number 30-039-20103		2 Pool Code 72319		3 Pool Name Blanco Mesa Verde	
4 Property Code 007691		5 Property Name Jicarilla E			6 Well Number 9
7 OGRID No. 014591		8 Operator Name Merit Energy Company			9 Elevation 7124 RKB

#### 10 Surface Location

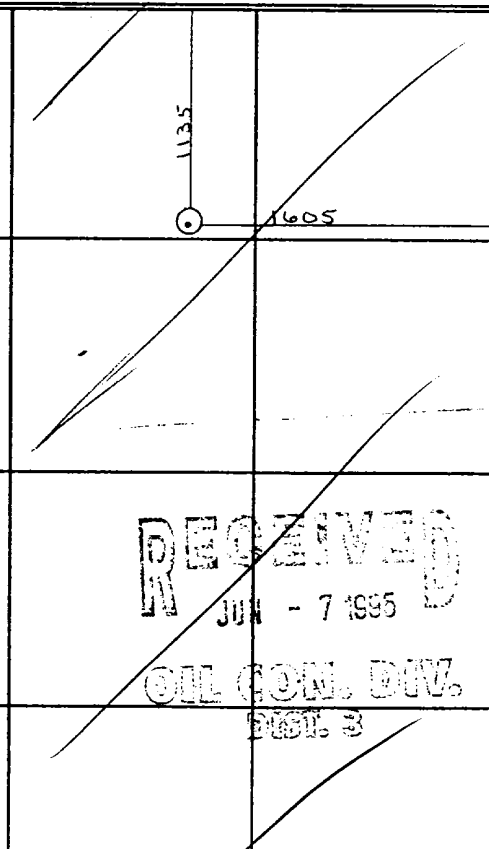
UL or lot no. B	Section 16	Township 26N	Range 4W	Lot Ida	Feet from the 1135	North/South line North	Feet from the 1605	East/West line East	County Rio Arriba
--------------------	---------------	-----------------	-------------	---------	-----------------------	---------------------------	-----------------------	------------------------	----------------------

#### 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 320	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					<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature <u>Sheryl J. Carruth</u> Printed Name <u>Sheryl J. Carruth</u> Title <u>Regulatory Manager</u> Date <u>6-6-95</u>	
					<b>18 SURVEYOR CERTIFICATION</b> 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 Professional Surveyer: _____	
					RECEIVED JUN - 7 1995 OIL CON. DIV. DIST. 3	
					Certificate Number _____	

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 Gas  
☐ Well ☒ Well ☐ Other

2. Name of Operator

Merit Energy Company

3. Address and Telephone No.

12222 Merit Drive, Suite 1500, Dallas, TX 75251 (214) 701-8377

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NE  
SEC. 16, T-26N, R-4W  
1135' FNL & 1605' FEL

5. Lease Designation and Serial No.

JIC 104

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jicarilla "E" 9

9. API Well No.

30-039-20103

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

Rio Arriba, New Mexico

12. HECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment  
☒ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ 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 detail, 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.)

See attached report of daily operations.

RECEIVED  
JUN 16 1995  
OIL CON. DIV.  
DIST. 3

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

Signed [Signature]

Title Regulatory Manager

Date 6/6/95

(This space for Federal or State office use)

Approved by [Signature]

for  
Title Chief, Lands and Mineral Resources

JUN 15 1995  
Date

Conditions of approval, if any:

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

\*See Instructions on Reverse Side



## Daily Operations Report

Well: JICARILLA E 9 (DK)

Objective: RECOMPLETE TO MESAVERDE

Field: BASIN

Job Type: Recomplete

County: RIO ARRIBA

AFE #: 1033

State: NM

WI: 50.00% AFE Amount: \$100,000.00

District: West

NRI: 43.75% Cost To Date: \$77,366.00

Date 5/31/95 Daily Cost \$7,253.00

MIRU BIG "A" WSU. KILLED WELL, NO TREE & NO BOP'S. POOH W/SHORT STRING - 1.9" O.D. IJ TBG(117 JTS, F-NIPPLE & 8' PERF SUB). PU ON LONG STRING - 2 3/8" 4.7#. PULL UP TO 70,000# WAS UNABLE TO PULL SEAL ASSEMBLY OUT OF MODEL D PKR. MIRU WIRELINE SPECIALTIES. TIH W/1 11/16" CHEMICAL CUTTER. TAG SEAL ASSEMBLY BORE @ 7893'. PU ABOVE 1ST COLLAR & CUT 2 3/8" TBG @ 7855'. POOH & RD WIRELINE SPECIALTIES. PU 2 3/8" TBG FREE. POOH & LAID DN 10' SUB & 1 JT TBG. SI & SDON.

*DATE 5/31/95*

Date 6/1/95 Daily Cost \$9,984.00

LEFT WELL BLOWING TO TANK. POOH W/2 3/8" LONG STRING 7855'. MIRU SCHLUMBERGER WIRELINE RAN GAGE RING. POOH, PU 4 1/2" CIBP & TIH. TAGGED TOP OF ASH @ 7838'. PU & SET CIBP @ 7833'. POOH W/SETTING TOOL. TIH W/GR-NEWTON F/5000' TO 6500'. HAD 3 MISS RUNS BEFORE WE WERE ABLE TO LOG. POOH, PU DUMP BAILER & MADE 2 RUNS. DUMPED A TOTAL OF 4 SX ON TOP OF CIBP. PBTD @ 7789'. POOH W/ BAILER. RD SCHLUMBERGER & LEFT WELL BLOWING TO TANK. SDON.

Date 6/2/95 Daily Cost \$3,121.00

PU 4 1/2" FULL BORE PKR. TIH W/134 JTS 2 3/8" TBG. SET PKR @ 4217'. TESTED 4 1/2" 10.5# LINER F/4217' TO 7789' TO 1000# (OKAY). RELEASED PKR & POOH. RU SCHLUMBERGER, PU 3 1/2" SELECT FIRE CSG GUN & TIH. GOT ON DEPTH & PERFORATED. 1 SPF @ 5936', 40', 45', 48', 59', 64', 70', 88', 93', 6003', 10', 20', 29' (13 HOLES). POOH, RD SCHLUMBERGER. SDON.

*NO JTS*

Date 6/3/95 Daily Cost \$56,457.00

MIRU TBG TESTERS, PICK UP 4 1/2" FULLBORE & TIH TESTING TBG TO 6500#. WAS UNABLE TO TEST LAST 1000' DUE TO TBG BREAKING DOWN. RD TBG TESTER & TIH TO 5790' & SET PKR. RIG UP DOWELL & ACIDIZE W/1000 GALS. 7 1/2% HCL W/INHIBITOR. BREAK DOWN PERFS @ 3650#. ESTABLISH INJECTION RATE 5.0 BBLs/MIN. @ 2550#. PUMP 1000 GALS 7 1/2% DROPPING 2 BALL SEALERS EVERY 2 BBLs WITH 26 BALL SEALERS ON FORMATION BALL OUT @ 3500#. SURGE BALLS OFF & DISPLACE W/2% KCL, RIG DOWN DOWELL, RELEASE PKR & TIH TO 6090'. POOH & SET PKR @ 4217', SET PKR, RIG UP DOWELL TO FRAC. PSI TEST LINES. ESTABLISH RATE 6.0 BPM & 14,000 N2/MIN. @ 3841#. PUMP 60 BBLs. SD, COMPUTER MALFUNCTION. REPAIR & START AGAIN. PUMP 36 BBLs PAD 5.1 BPM & 15,900 N2/MIN @ 5400#. CUT X-LINK DUE TO PSI & IT WAS RECOMMENDED WE PUMP FRAC W/O X-LINK. PUMP 119 BBLs - PAD 6.6 BPM & 14,700 N2/MIN @ 5000#. PUMP 144 BBLs - CARRYING 2# SAND (20/40 BRADY) 7 BBLs/MIN & 12,600 N2 @ 5100#. PUMP 106 BBLs - CARRYING 3# SAND (20/40 BRADY) 7.25 BBLs/MIN & 10,700 N2 @ 5000#. PUMP 25 BBLs - CARRYING 4# SAND (20/40 BRADY) 8 BPM & 10,000 N2 @ 5200#. PUMP 39 BBLs - CARRYING 5# SAND (20/40 BRADY) 9.7 BPM & 9,000 N2 @ 4300#. PUMP 48 BBLs - CARRYING 6# SAND (20/40 BRADY) 9.6 BPM & 8,000 N2 @ 5200#. (NOTE: LAST 2 STAGES HAD 30,000# PREPNET) FLUSH W/19 BBLs 8.7 BPM & 7000 N2/MIN @ 5000#. ISIP 2100# IN 15 MIN 1160#. SI RIG DOWN DOWELL, TOTAL PUMPED: 536 BBLs - H2O, 106,400# - 20/40 BRADY SAND, 1.3 MMF - N2

Date 6/4/95 Daily Cost \$551.00

OPEN WELL HEAD AFTER FRAC. 8:00 P.M. TBG PSI 1200 #. 9:00 P.M. FLOW RATE 21 BBLs / HR - 750# ON TBG. - CLEAN, 11:00 P.M. FLOW RATE 21 BBLs / HR - 650# ON TBG - SAND CUT OUT CHOKE, CHG. CHOKE. 12:00 A.M. FLOW RATE 21 BBLs/HR - 650# ON TBG. - NO TRACE OF SAND, 2:00 A.M. FLOW RATE 21 BBLs/HR. - 650# ON TBG. - NO TRACE OF SAND. 4:00 A.M. FLOW RATE 21 BBLs/HR - 650 # ON TBG. - NO TRACE OF SAND. 6:00 A.M. FLOW RATE 21 BBLs/HR - 650# ON TBG. - SLIGHT TRACE OF SAND. 7:00 A.M. FLOW RATE 21 BBLs/HR. 650# ON TBG. - SAND CUT OUT CHOKE. SION. TOTAL RECOVERED - 120 BBLs.

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 <input type="checkbox"/> Gas <input type="checkbox"/> <input type="checkbox"/> Well <input checked="" type="checkbox"/> Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. JIC 104
2. Name of Operator Merit Energy Company	6. If Indian, Allottee or Tribe Name Jicarilla Apache
3. Address and Telephone No. 12222 Merit Drive, Suite 1500, Dallas, TX 75251 (214) 701-8377	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW NE SEC. 16, T-26N, R-4W 1135' FNL & 1605' FEL	8. Well Name and No. Jicarilla "E" 9
	9. API Well No. 30-039-20103
	10. Field and Pool, or Exploratory Area Blanco Mesaverde
	11. County or Parish, State Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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 detail, 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.)\*

See attached report of daily operations.

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

Signed [Signature] Title Regulatory Manager Date 6/6/95  
(This space for Federal or State office use)  
Approved by [Signature] Title Chief, Lands and Mineral Resources Date JUN 15 1995  
Conditions of approval, if any:

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

\*See Instructions on Reverse Side

## Daily Operations Report

Well: JICARILLA E 9 (DK)

Objective: RECOMPLETE TO MESAVERDE

Field: BASIN

Job Type: Recomplete

County: RIO ARRIBA

AFE #: 1033

State: NM

WI: 50.00% AFE Amount: \$100,000.00

District: West

NRI: 43.75% Cost To Date: \$77,366.00

Date 5/31/95 Daily Cost \$7,253.00

MIRU BIG "A" WSU. KILLED WELL, NO TREE & NO BOP'S. POOH W/SHORT STRING - 1.9" O.D. 1J TBG(117 JTS, F-NIPPLE & 8" PERF SUB). PU ON LONG STRING - 2 3/8" 4.7#. PULL UP TO 70,000# WAS UNABLE TO PULL SEAL ASSEMBLY OUT OF MODEL D PKR. MIRU WIRELINE SPECIALTIES. TIH W/1 11/16" CHEMICAL CUTTER. TAG SEAL ASSEMBLY BORE @ 7893'. PU ABOVE 1ST COLLAR & CUT 2 3/8" TBG @ 7855'. POOH & RD WIRELINE SPECIALTIES. PU 2 3/8" TBG FREE. POOH & LAID DN 10' SUB & 1 JT TBG. SI & SDON.

Date 6/1/95 Daily Cost \$9,984.00

LEFT WELL BLOWING TO TANK. POOH W/2 3/8" LONG STRING 7855'. MIRU SCHLUMBERGER WIRELINE RAN GAGE RING. POOH, PU 4 1/2" CIBP & TIH. TAGGED TOP OF ASH @ 7838'. PU & SET CIBP @ 7833'. POOH W/SETTING TOOL. TIH W/GR-NEWTON F/5000' TO 6500'. HAD 3 MISS RUNS BEFORE WE WERE ABLE TO LOG. POOH, PU DUMP BAILER & MADE 2 RUNS. DUMPED A TOTAL OF 4 SX ON TOP OF CIBP. PBTD @ 7789'. POOH W/ BAILER. RD SCHLUMBERGER & LEFT WELL BLOWING TO TANK. SDON.

Date 6/2/95 Daily Cost \$3,121.00

PU 4 1/2" FULL BORE PKR. TIH W/134 JTS 2 3/8" TBG. SET PKR @ 4217'. TESTED 4 1/2" 10.5# LINER F/4217' TO 7789' TO 1000# (OKAY). RELEASED PKR & POOH. RU SCHLUMBERGER, PU 3 1/2" SELECT FIRE CSG GUN & TIH. GOT ON DEPTH & PERFORATED. 1 SPF @ 5936', 40', 45', 48', 59', 64', 70', 88', 93', 6003', 10', 20', 29' (13 HOLES). POOH, RD SCHLUMBERGER. SDON.

Date 6/3/95 Daily Cost \$56,457.00

MIRU TBG TESTERS, PICK UP 4 1/2" FULLBORE & TIH TESTING TBG TO 6500#. WAS UNABLE TO TEST LAST 1000' DUE TO TBG BREAKING DOWN. RD TBG TESTER & TIH TO 5790' & SET PKR. RIG UP DOWELL & ACIDIZE W/1000 GALS. 7 1/2% HCL W/INHIBITOR. BREAK DOWN PERFS @ 3650#. ESTABLISH INJECTION RATE 5.0 BBLS/MIN. @ 2550#. PUMP 1000 GALS 7 1/2% DROPPING 2 BALL SEALERS EVERY 2 BBLS WITH 26 BALL SEALERS ON FORMATION BALL OUT @ 3500#. SURGE BALLS OFF & DISPLACE W/2% KCL, RIG DOWN DOWELL, RELEASE PKR & TIH TO 6090'. POOH & SET PKR @ 4217', SET PKR, RIG UP DOWELL TO FRAC. PSI TEST LINES. ESTABLISH RATE 6.0 BPM & 14,000 N2/MIN. @ 3841#. PUMP 60 BBLS. SD, COMPUTER MALFUNCTION. REPAIR & START AGAIN. PUMP 36 BBLS PAD 5.1 BPM & 15,900 N2/MIN @ 5400#. CUT X-LINK DUE TO PSI & IT WAS RECOMMENDED WE PUMP FRAC W/O X-LINK. PUMP 119 BBLS - PAD 6.6 BPM & 14,700 N2/MIN @ 5000#. PUMP 144 BBLS - CARRYING 2# SAND (20/40 BRADY) 7 BBLS/MIN & 12,600 N2 @ 5100#. PUMP 106 BBLS - CARRYING 3# SAND (20/40 BRADY) 7.25 BBLS/MIN & 10,700 N2 @ 5000#. PUMP 25 BBLS - CARRYING 4# SAND (20/40 BRADY) 8 BPM & 10,000 N2 @ 5200#. PUMP 39 BBLS - CARRYING 5# SAND (20/40 BRADY) 9.7 BPM & 9,000 N2 @ 4300#. PUMP 48 BBLS - CARRYING 6# SAND (20/40 BRADY) 9.6 BPM & 8,000 N2 @ 5200#. (NOTE: LAST 2 STAGES HAD 30,000# PREPNET) FLUSH W/19 BBLS 8.7 BPM & 7000 N2/MIN @ 5000#. ISIP 2100# IN 15 MIN 1160#. SI RIG DOWN DOWELL, TOTAL PUMPED: 536 BBLS - H2O, 106,400# - 20/40 BRADY SAND, 1.3 MMF - N2

Date 6/4/95 Daily Cost \$551.00

OPEN WELL HEAD AFTER FRAC. 8:00 P.M. TBG PSI 1200 #. 9:00 P.M. FLOW RATE 21 BBLS / HR - 750# ON TBG. - CLEAN, 11:00 P.M. FLOW RATE 21 BBLS / HR - 650# ON TBG - SAND CUT OUT CHOKE, CHG. CHOKE. 12:00 A.M. FLOW RATE 21 BBLS/HR - 650# ON TBG. - NO TRACE OF SAND, 2:00 A.M. FLOW RATE 21 BBLS/HR. - 650# ON TBG. - NO TRACE OF SAND. 4:00 A.M. FLOW RATE 21 BBLS/HR - 650 # ON TBG. - NO TRACE OF SAND. 6:00 A.M. FLOW RATE 21 BBLS/HR - 650# ON TBG. - SLIGHT TRACE OF SAND. 7:00 A.M. FLOW RATE 21 BBLS/HR. 650# ON TBG. - SAND CUT OUT CHOKE. SION. TOTAL RECOVERED - 120 BBLS.