

'95 MAR 30 AM 8 52

LAB: (505) 325-5667

OFF: (505) 325-8786



May 24, 1995

Mr. Mike Stogner
State of New Mexico
Energy, Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

RE: AMENDED REQUEST FOR AN UNORTHODOX LOCATION
MERIT ENERGY COMPANY
JICARILLA "E" # 16
2160' FWL & 860' FNL
SECTION 22, T-26-N, R-4-W
RIO ARRIBA COUNTY, NEW MEXICO

Dear Mr. Stogner:

On behalf of Merit Energy Company, On Site Technologies, Ltd., hereby submits to you this amended request for approval of an unorthodox location for the Jicarilla "E" # 16 well location. Said well will be drilled in the Blanco Mesa Verde pool. The reasons for this unorthodox location are due to topographic conditions and to prevent further surface disturbance per the request of the Jicarilla Apache Tribe.

The above mentioned proposed well location is on an existing well pad. The original well (Jicarilla "E" well No. 11) was approved for an unorthodox location in 1975 (Exhibit I).

The dedicated acreage for this well will be 320 acres, being the W/2 of Section 22, T-26-N, R-4-W.

In accordance with NMOCD memorandum dated March 21, 1990, from William J. LeMay, Director, I have enclosed the following:

1. A copy of the Notice of Staking listed as Exhibit "A"
2. A copy of the APD listed as Exhibit "B"
3. A copy of the C-102 listed as Exhibit "C"
4. A site plan listed as Exhibit "D"
5. A 7.5 minute quad topo map showing the proposed location listed as Exhibit "E"
6. A map denoting all off setting wells within a mile radius listed as Exhibit "F"
7. Enlarged topographic map denoting well location & topographic contours listed as Exhibit G
8. Diagram of Drilling Window listed as Exhibit "H"
9. Oil Conservation Commission letter of Approval dated July 16, 1975 listed as Exhibit "I"

All wells within the mile radius are Merit Energy Company wells. No other producers were found of record during the title search.

Please contact me if you should have any question or require any additional information.

Yours truly,

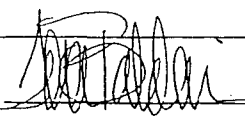
Robert L. Crabb
Agent for Merit Energy Company

P. O. BOX 2606 • FARMINGTON, NM 87499

— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —

NOS Format

NOTICE OF STAKING (Not to be used in place of Application for Permit to Drill Form 3160-3)		6. Lease Number JIC. CONT. #104	
1. Oil well <input type="checkbox"/> Gas well <input checked="" type="checkbox"/> Other (Specify)		7. If Indian, Allottee or Tribe Name JICARILLA APACHE	
2. Name of Operator MERIT ENERGY COMPANY ON SITE TECHNOLOGIES, LTD. - AGENT		8. Unit Agreement Name N/A	
3. Name of Specific Contact Person TORA BALDWIN - Agent		9. Farm or Lease Name JICARILLA "E"	
4. Address & Phone No. of Operator or Agent P.O. BOX 2606 FARMINGTON, NM 87499 (505) 325-5667		10. Well No. #16	
5. Surface Location of Well Attach: a) Sketch showing road entry onto pad, pad dimensions, and reserve pit. b) Topographical or other accept- able map showing location, access road, and lease boundaries.		11. Field or Wildcat Name MV Basin Dakota	
		12. Sec., T., R., M., or Blk and Survey or Area SEC. 22, T.26N., R.4W.	
15. Formation Objective(s) MESA VERDE BASIN DAKOTA	16. Estimated Well Depth 8000'	13. County, Parish or Borough RIO ARriba COUNTY	14. State NM
17. Additional Information (as appropriate; must include surface owner's name, address, and telephone number)			

18. Signed  Title ON SITE TECHNOLOGIES, LTD
TORA BALDWIN AGENT FOR MERIT Date 12-05-94

Note: Upon receipt of this Notice, the Bureau of Land Management (BLM) will schedule the date of the onsite predrill inspection and notify you accordingly. The location must be staked and access road must be flagged prior to the onsite.

Operators must consider the following prior to the onsite:

- a) H₂S Potential
- b) Cultural Resources (Archeology)
- c) Federal Right of Way or Special Use Permit

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work DRILL X DEEPEN <input type="checkbox"/>		5. Lease Designation and Serial No. Jicarilla Cont. #104
b. Type of Well Oil <input type="checkbox"/> Gas X Other Single Zone <input type="checkbox"/> Multiple Zone X		6. If Indian, Allottee or Tribe Name Jicarilla Apache
2. Name of Operator Merit Energy 12222 Merit Drive, Suite 1500, Dallas, TX 75251		7. Unit Agreement Name N/A
3. Address and Telephone No. AGENT (505) 325-8786 On Site Technologies, Ltd. P.O. Box 2606, Farmington, NM 87499		8. Farm or Lease Name, Well No. Jicarilla E #16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 2160' FWL & 860' FNL At proposed prod. zone Same		9. API Well No.
14. Distance in Miles and Direction From Nearest Town or Post Office* Approximately 12 miles from Lindrith, NM		10. Field and Pool, or Wildcat Blanco Mesa Verde
15. Distance from Proposed* Location to Nearest Property or Lease Line, Ft. (Also to nearest drlg. unit line, if any) 3120'	16. No. of Acres in Lease 2560	11. Sec., T., R., M., or Blk. and Survey or Area Sec. 22, T26N, R4W
18. Distance from Proposed Location* to Nearest Well, Drilling, Completed, or Applied For, On This Lease, Ft. 100'	19. Proposed Depth 8000'	12. County or Parish Rio Arriba
21. Elevations (Show whether DF, RT, GR, etc.) 6818' GL		13. State NM
23. PROPOSED CASING AND CEMENTING PROGRAM		17. No. of Acres Assigned to This Well 160
20. Rotary or Cable Tools Rotary		22. Approx. Date Work will Start* May 1, 1995

Size of Hole	Grade, Size of Casing	Weight Per Foot	Setting Depth	Quantity of Cement
12 1/4"	J55 8 5/8"	24 #	300'	230 sxs class B @ 15.6#/gal.
8 5/8"	J55 5 1/2"	15.5# / 17.0#	8000'	Lead 400 sxs class B 50/50/Pozmix @ 11.7#/gal.
			D.V.Tool 5500'	Tail 230 sxs class B @ 15.6#/gal.
				Second stage: Lead 800 sxs class B 50/50/Pozmix @ 11.7 #/gal. Tail 50 sxs class B @ 15.6#/gal.

SEE ATTACHED DRILLING PROGRAM

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed Robert Crabb Title AGENT FOR MERIT ENERGY Date March 16, 1995
ROBERT CRABB
(This space for Federal or State office use)

Permit No. _____ Approval Date _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of Approval, If Any:

Approved By _____ Title _____ Date _____

*See Instruction on Reverse Side

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.

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-10
Revised February 21, 1992
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		1 Pool Code		1 Pool Name			
4 Property Code		4 Property Name				4 Well Number	
		JICARILLA				E # 16	
1 OGRID No.		1 Operator Name				1 Elevation	
		MERIT ENERGY COMPANY				6818'	

10 Surface Location

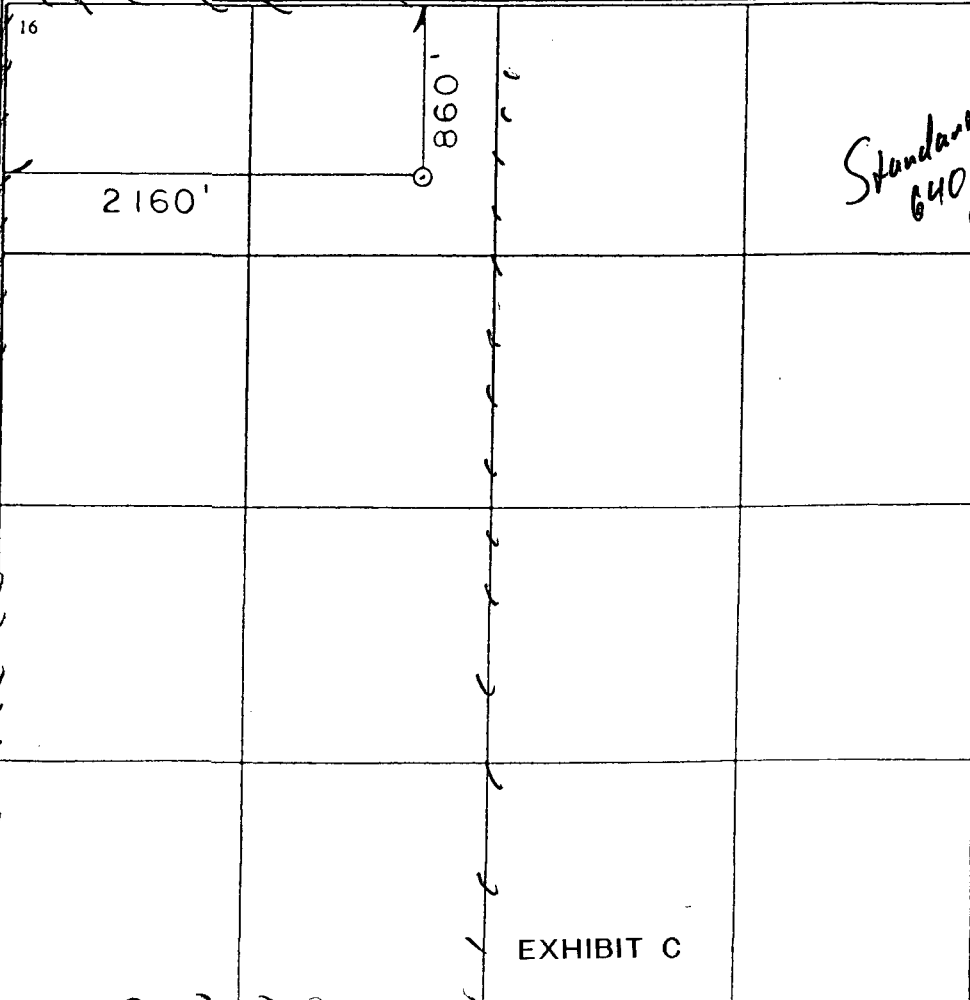
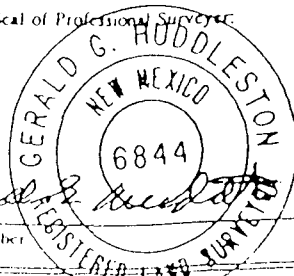
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	26N	4W		860	NORTH	2160	WEST	RIO ARRIBO

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

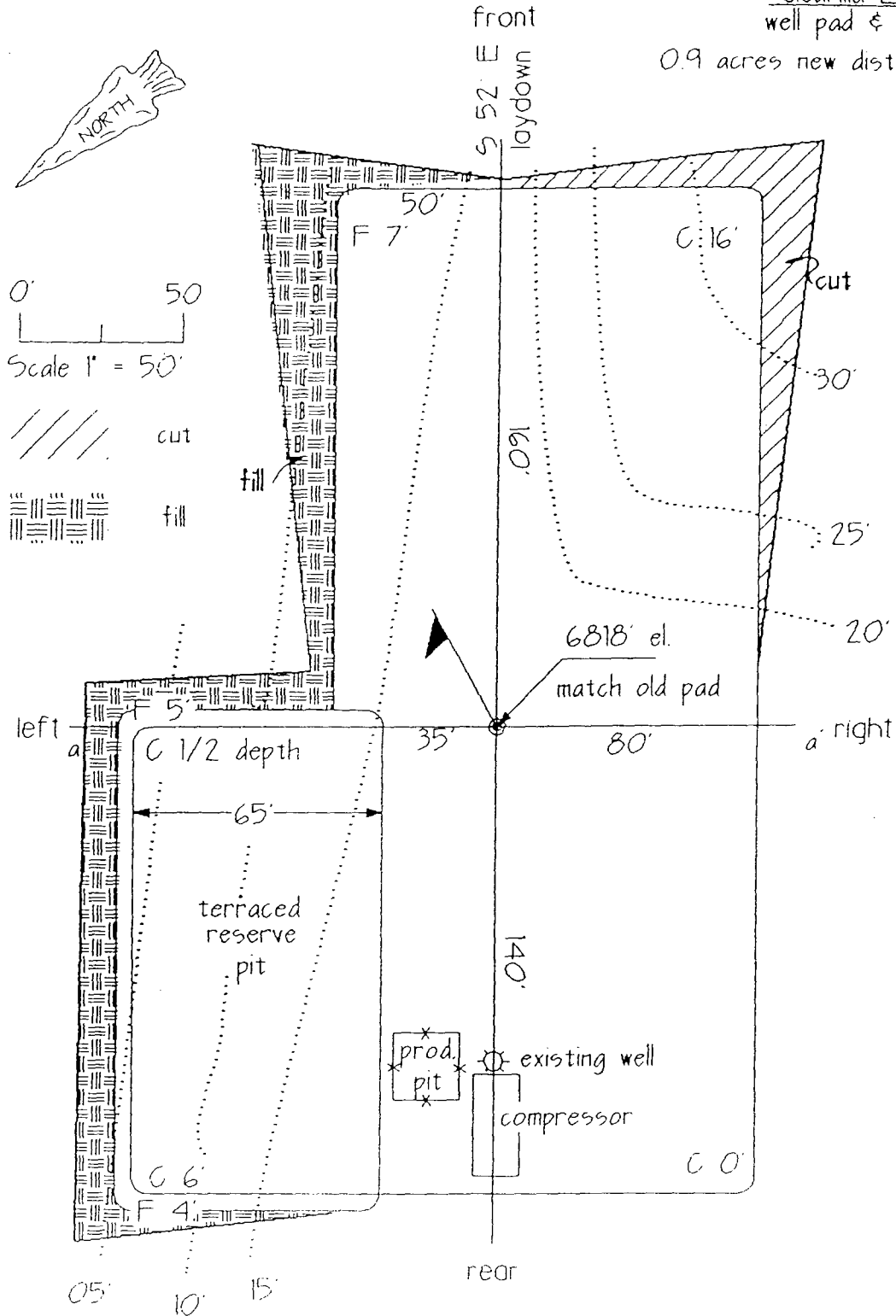
12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

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

<div>16</div>  <div>EXHIBIT C</div>	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Standard 640 acre Section</i></p> <div>Signature _____</div> <div>Printed Name _____</div> <div>Title _____</div> <div>Date _____</div>	
	<div>18 SURVEYOR CERTIFICATION</div> <p>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.</p> <p>2-12-94</p> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor</div> <div></div> <div>Certificate Number</div>	

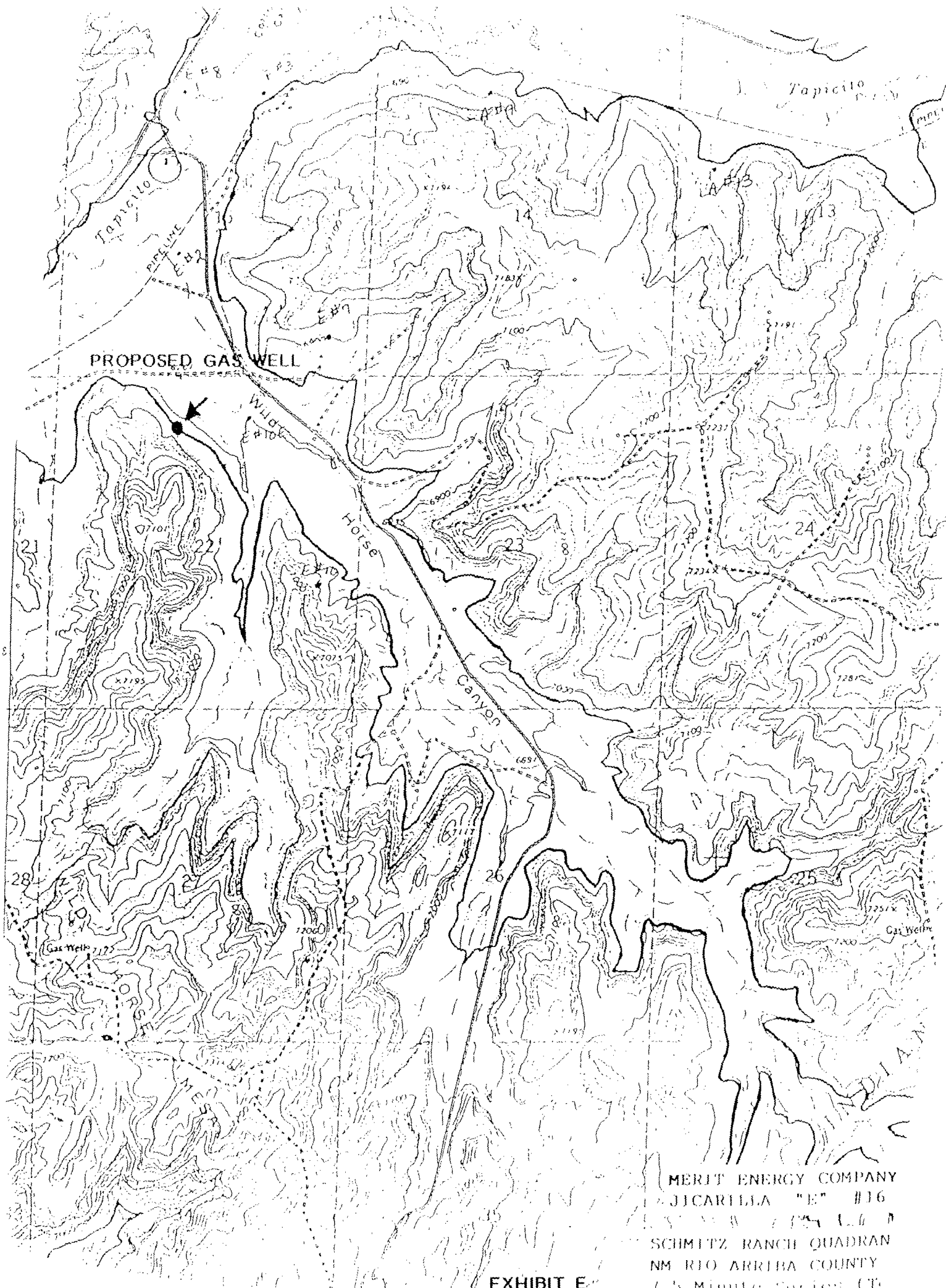
Jicarilla E # 16
well pad & section

0.9 acres new disturbance



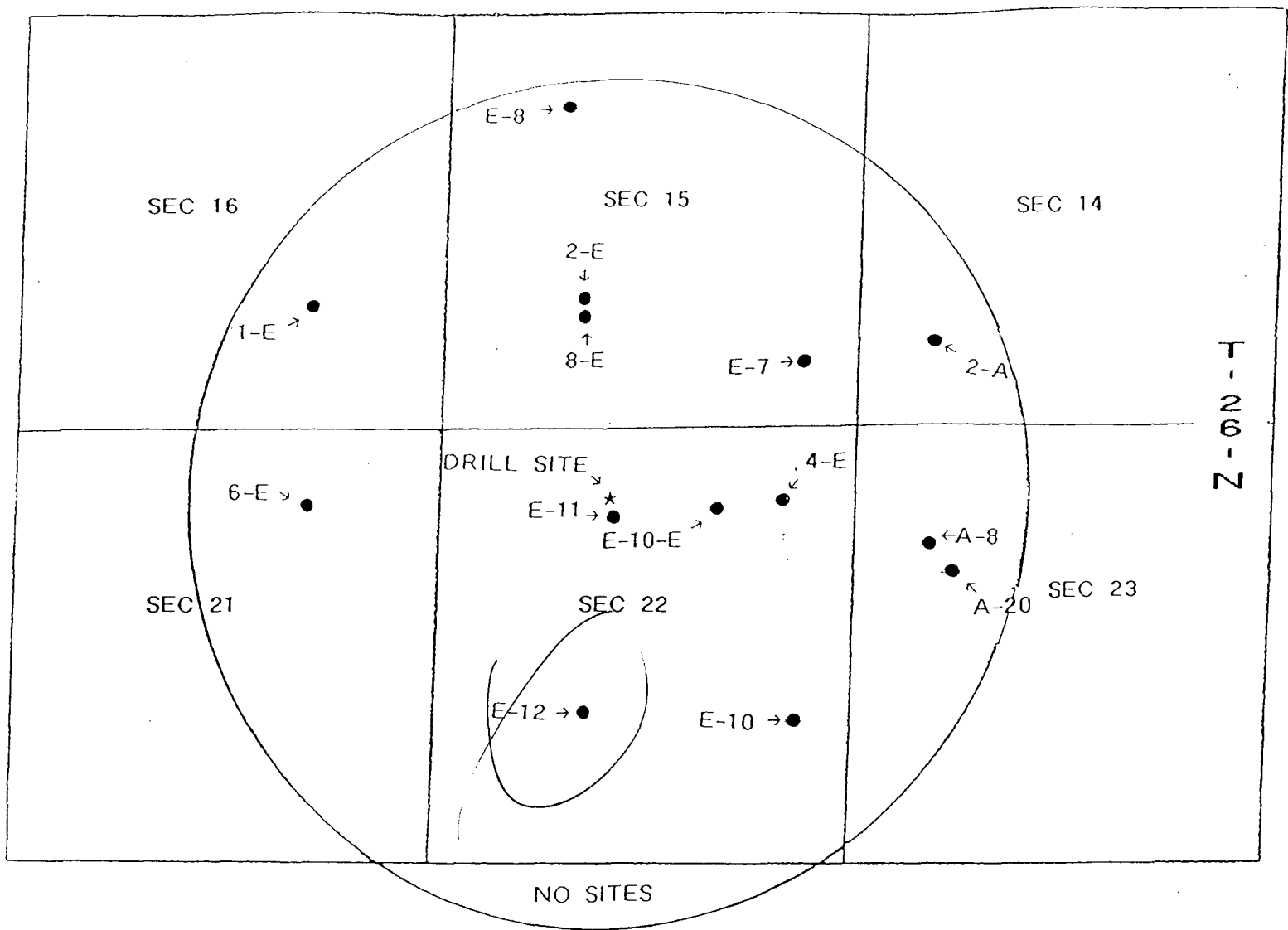
cross section

EXHIBIT D



MERIT ENERGY COMPANY
JICARILLA "E" #16
SCHMITZ RANCH QUADRANT
NM RIO ARRIBA COUNTY
15 Minute Series (T

EXHIBIT E



OFFSET WELL LOCATION PLAT FOR AN UNORTHADOX
 LOCATION FOR MERIT ENERGY COMPANY'S
 JICARILLA E-16
 SECTION 22, T-26-N, R-4-W NMPM
 RIO ARRIBA COUNTY, NEW MEXICO

All Above Noted Well Locations Are Merit Energy Company Locations
 The "Star" Icon Denotes The Location for The Jicarilla E#16

Drawn By Robert L. Crabb

March 13, 1995

NOT DRAWN TO SCALE

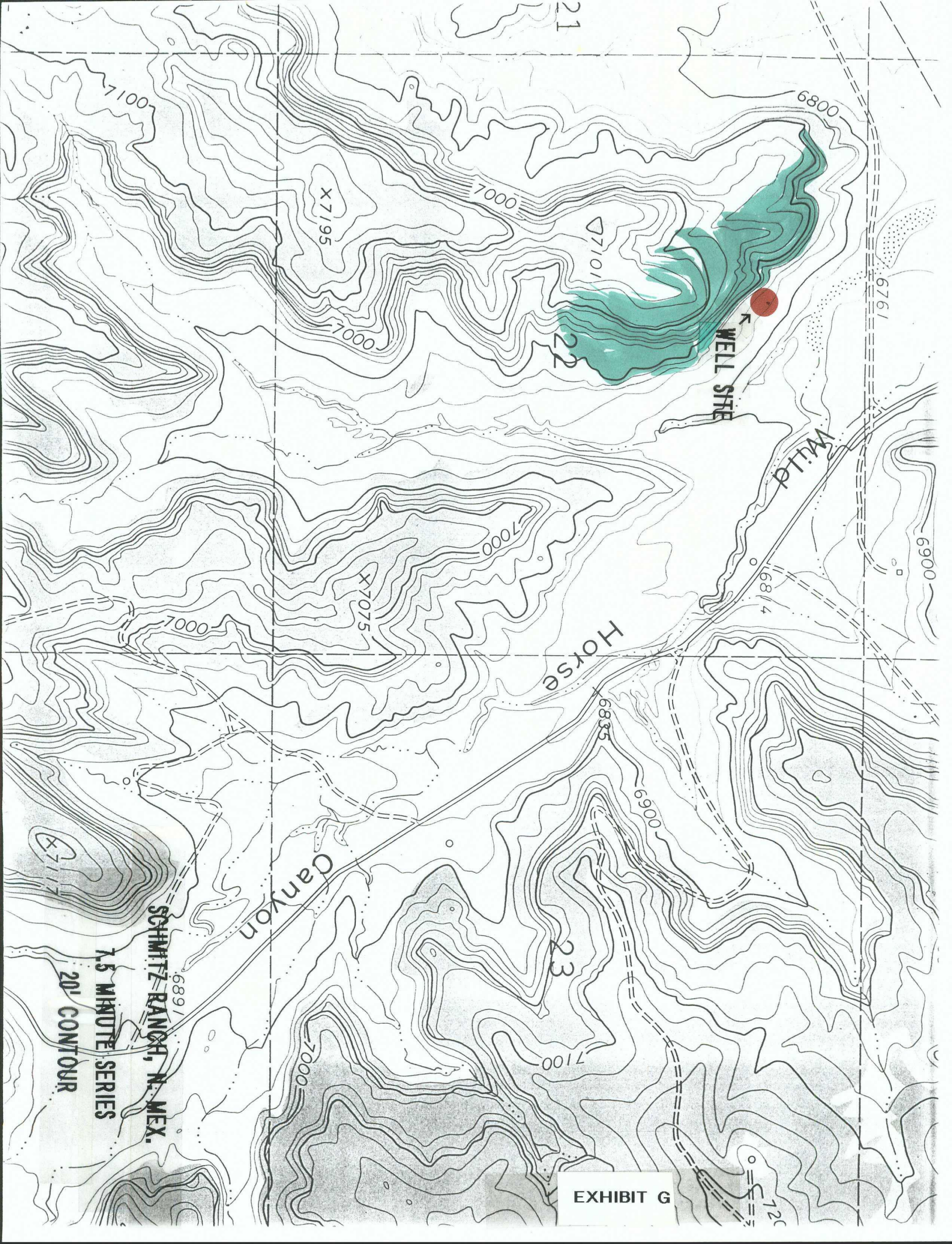
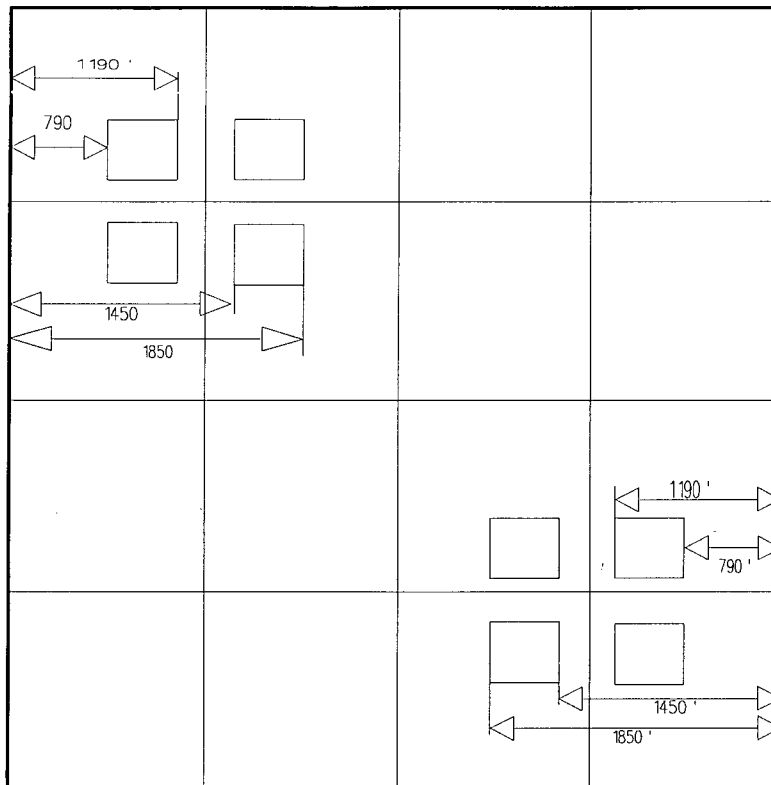


EXHIBIT G

DRILLING WINDOW FOR THE BLANCO MESAVERDE POOL



OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

July 16, 1975

C
O
P
Y
Southern Union Production Company
P. O. Box 808
Farmington, New Mexico 87401

Attention: Mr. Bill Vanderslice

Administrative Order HSL-716

Gentlemen:

Reference is made to your application for approval of a non-standard location for your Jicarilla "E" Well No. 11, located 800 feet from the North line and 2075 feet from the West line of Section 22, Township 26 North, Range 4 West, NMPM, Tapacito Pictured Cliffs Pool, Rio Arriba County, New Mexico.

By authority granted me under the provisions of Rule 104 F of the Commission Rules and Regulations, the above-described unorthodox location is hereby approved.

Yours very truly

JOE D. RAMEY
Secretary-Director

JDR/JEK/dr

cc: Oil Conservation Commission - Aztec
Oil & Gas Engineering Committee - Hobbs
U. S. Geological Survey - Farmington



EXHIBIT I



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

May 17, 1995

Merit Energy Company
c/o On Site Technologies, Ltd.
P. O. Box 2606
Farmington, New Mexico 87499

Attention: Robert L. Crabb

RE: *Administrative Application for an Unorthodox Gas Well Location
Jicarilla "E" Well No. 16
860" FNL & 2160' FWL (Unit C) Section 22, Township 26 North,
Range 4 West, NMPM, Rio Arriba County, New Mexico.*

Dear Mr. Crabb:

Per your letter dated May 12, 1995 informing us that the subject application filed on March 20, 1995 also included a request for a 160-acre non-standard gas spacing/proration unit. I am returning said filing as incomplete, as you know the Blanco-Mesaverde Pool is spaced on 320 acres, pursuant to the "**General Rules For The Prorated Gas Pools of New Mexico/Special Rules and Regulations For The Blanco-Mesaverde Pool**", as promulgated by Division Order No. R-8170, as amended.

Merit may resubmit this application with the amended request, if so please include all applicable information needed for the OCD to adequately make a determination for the desired request.

Should you have any additional questions or comments concerning this matter, please contact me at (505) 827-8185.

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/kv

cc: Oil Conservation Division - Aztec
William J. LeMay, Director - OCD, Santa Fe

OIL CONSERVATION DIVISION
OFF: (505) 325-8786
RECEIVED

'95 MAY 15 AM 8 52



LAB: (505) 325-5667

May 12, 1995

Mr. Michael E. Stogner
Chief Hearing Officer/Engineer
State of New Mexico
Energy, Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

RE: Administrative Application for an Unorthodox Gas Well Location For Merit Energy Company's Jicarilla "E" Well No. 16, 860' FNL & 2160' FWL (Unit C), Section 22, Township 26 North, Range 4 West, NMPM, Rio Arriba County, New Mexico

Dear Mr. Stogner:

I am writing in response to your letter of April 27, 1995 in which you requested the amount of dedicated acreage (proration/spacing unit) for the above mentioned well. Mr. Terry Gottberg with Merit Energy confirmed with me this morning that the amount of dedicated acreage is 160 acres.

Merit Energy would like to begin drilling this well location on or about June 1, 1995. Any assistance you might be able to render in expediting this application will be appreciated.

Should you have any additional questions, please call me at 505-325-8786.

Yours truly,

Robert L. Crabb
On Site Technologies, Ltd.
Agent for Merit Energy Company



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

April 27, 1995

*Merit Energy Company
c/o On Site Technologies, Ltd.
P.O. Box 2606
Farmington, New Mexico 87499*

Attention: Robert L. Crabb

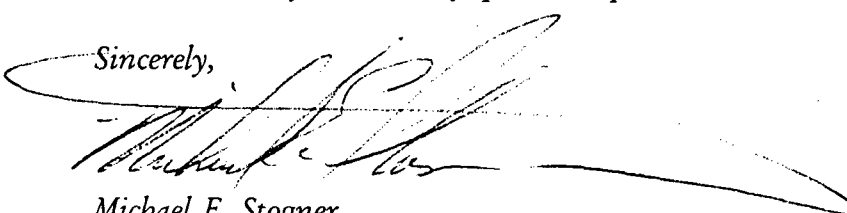
*RE: Administrative Application for an Unorthodox Gas Well
Location
Jicarilla "E" Well No. 16
860'FNL & 2160'FWL (Unit C) Section 22, Township 26
North, Range 4 West, NMPM, Rio Arriba County, New
Mexico.*

Dear Mr. Crabb:

Thank you for the additional supporting data submitted last week, however before I can prepare an administrative order in this matter I need to know what the dedicated acreage (proration/spacing unit) for this well will be.

Should you have any questions, please contact me at (505) 827-8185.

Sincerely,



*Michael E. Stogner
Chief Hearing Officer/Engineer*

MES/kv

cc: Oil Conservation Division - Aztec

OFF: (505) 325-8786



CONSERVATION DIVISION
RECEIVED LAB (505) 325-5667

'95 APR 21 PM 8 52

April 18, 1995

Mr. Michael E. Stogner
New Mexico Oil & Gas Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

RE: Administrative Application for an Unorthodox Gas Well Location
Merit Energy Company
Jicarilla "E" Well No. 16
860' FNL & 2160' FWL (Unit C)
Section 22, T-26-N, R-4-W, NMPM, Rio Arriba County, New Mexico

Dear Mr. Stogner:

I am in receipt of your letter dated April 7, 1995, in which you stated that several items were needed before final approval of above mentioned unorthodox location could be approved. I am in agreement with your requests and enclose the following for your review:

- Exhibit A - Enlarged topographic map denoting well location and topographic contours that prevent the use of an orthodox location
- Exhibit B - Diagram of Drilling Window
- Exhibit C - Oil Conservation Commission letter of approval dated July 16, 1975

The above mentioned proposed well location is on an existing well pad. The original well (Jicarilla "E" Well No. 11) was approved for an unorthodox location in 1975 (Exhibit C).

The reasons for the application for this unorthodox location are due to topographical conditions and to prevent further surface disturbance per the request of the Jicarilla Apache Tribe.

Yours truly,

Robert L. Crabb
On Site Technologies, Ltd.
Agent for Merit Energy Company

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

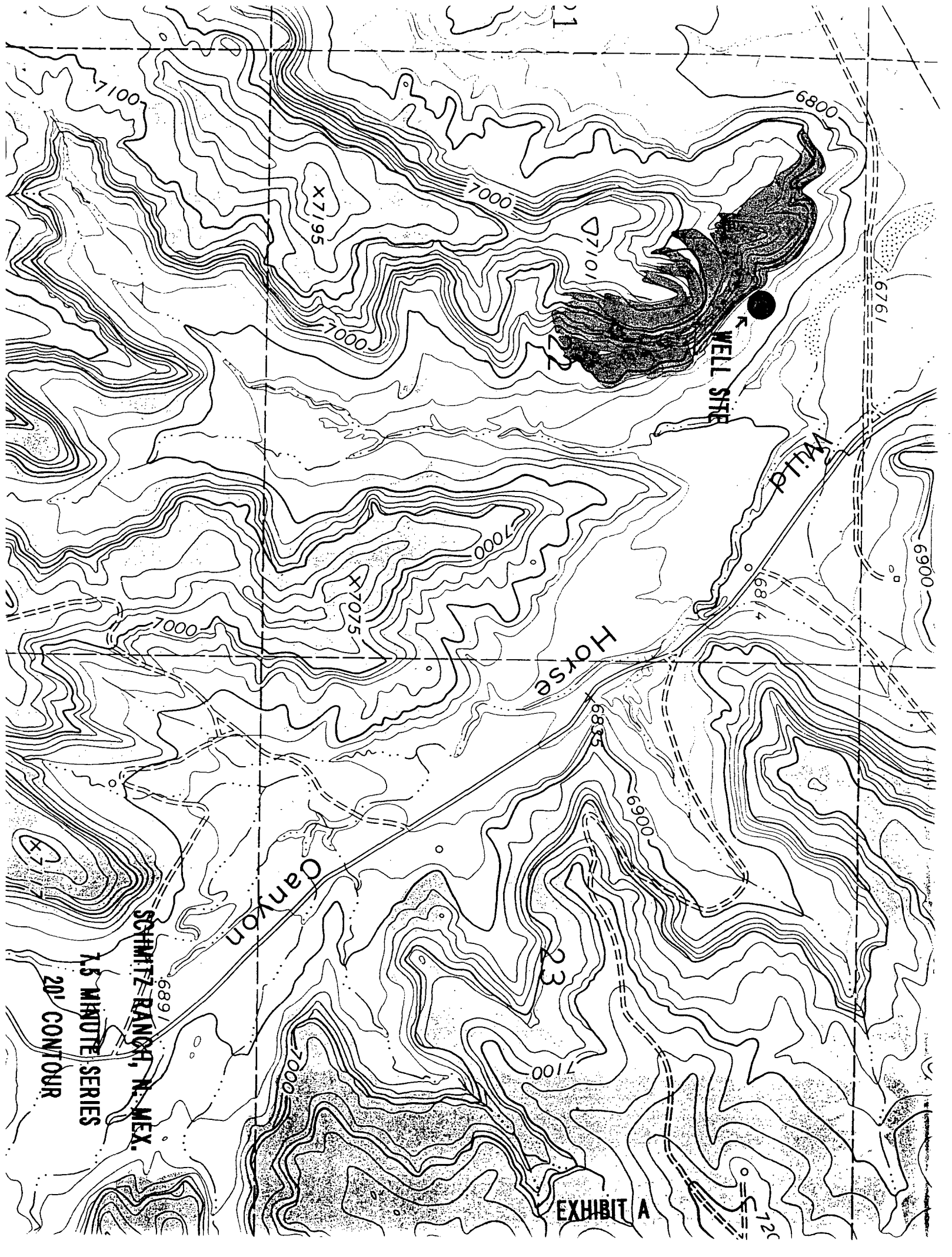
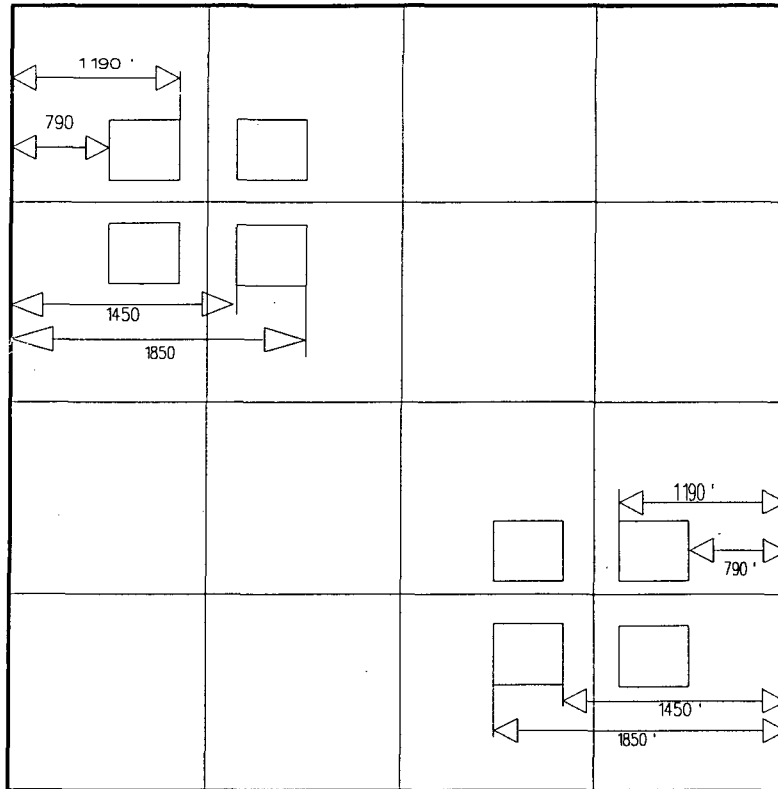


EXHIBIT A

DRILLING WINDOW FOR THE BLANCO MESAVERDE POOL



OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

July 16, 1975

C
O
P
Y

Southern Union Production Company
P. O. Box 808
Farmington, New Mexico 87401

Attention: Mr. Bill Vanderslice

Administrative Order HSL-716

Gentlemen:

Reference is made to your application for approval of a non-standard location for your Jicarilla "E" Well No. 11, located 800 feet from the North line and 2075 feet from the West line of Section 22, Township 26 North, Range 4 West, NMPM, Tapacito Pictured Cliffs Pool, Rio Arriba County, New Mexico.

By authority granted me under the provisions of Rule 104 F of the Commission Rules and Regulations, the above-described unorthodox location is hereby approved.

Yours very truly

JOE D. RAMEY
Secretary-Director

JDR/JEK/dr

cc: Oil Conservation Commission - Aztec
Oil & Gas Engineering Committee - Hobbs
U. S. Geological Survey - Farmington



EXHIBIT C



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

April 7, 1995

*Merit Energy Company
c/o On Site Technologies, Ltd.
P.O. Box 2606
Farmington, New Mexico 87499*

Attention: Robert L. Crabb

*RE: Administrative Application for an Unorthodox Gas Well Location
Merit Energy Company
Jicarilla "E" Well No. 16
860'FNL & 2160'FWL (Unit C)
Section 22, Township 26 North, Range 4 West, NMPM, Rio Arriba
County, New Mexico.*

Dear Mr. Crabb:

Pursuant to my initial review of the subject application, there is insufficient data for a determination at this time. I can not determine rather the dedicated acreage for this well will be the N/2 or W/2 of the section.

Also, please submit all of the required support data pursuant to Division Memorandum No. 1-90, see copy attached.

Should you have any additional questions or comments concerning this matter, please contact me at (505) 827-8185.

Sincerely,

*Michael E. Stogner
Chief Hearing Officer/Engineer*

MES/kv

*cc: Oil Conservation Division - Aztec
William J. LeMay, Director - OCD, Santa Fe
U. S. Bureau of Land Management - Albuquerque*

Mike Stogner

From: Ernie Busch
To: Mike Stogner
Subject: MERIT ENERGY CO (NSL)
Date: Tue, Mar 28, 1995 9:40AM
Priority: High

JICARILLA E #16
860' FNL; 2160' FWL
C-22-26N-04W

RECOMMEND: REASON FOR REQUEST WAS NOT STATED, I PRESUME FOR TOPOGRAPHIC REASONS,
BUT WHO KNOWS? NOT ENOUGH INFORMATION TO APPROVE ADMINISTRATIVELY.

OFF: (505) 325-8786



OIL CONSERVATION DIVISION
RECEIVED

195 MAR 1995 LAB: (505) 325-5267

March 13, 1995

Mr. Mike Stogner
New Mexico Oil & Gas Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RE: APPLICATION FOR UNORTHODOX LOCATION
MERIT ENERGY COMPANY
JICARILLA "E" # 16
2160" FWL & 860 FNL
SECTION 22, T-26-N, R-4-W
RIO ARriba COUNTY, NEW MEXICO

Dear Gentlemen:

On behalf of Merit Energy Company, On Site Technologies, Ltd., hereby submits to you this application for approval of the Jicarilla "E" # 16 well location. Said well will be drilled in the Blanco Mesa Verde pool.

During the permitting procedure, it was brought to our attention by NMOCD, Aztec office, that this location was an unorthodox location because it will be drilled outside the drilling window for the Blanco Mesa Verde pool. We are seeking your administrative approval so that drilling may commence on or about May 1, 1995.

In accordance with NMOCD memorandum dated March 21, 1990, from William J. LeMay, Director, I have enclosed the following:

1. A copy of the Notice of Staking listed as Exhibit "A"
2. A copy of the APD listed as Exhibit "B"
3. A copy of the C-102 listed as Exhibit "C"
4. A site plan listed as Exhibit "D"
5. A 7.5 minute quad topo map showing the proposed location listed as Exhibit "E"
6. A map denoting all off setting wells within a mile radius listed as Exhibit "F"

All wells within the mile radius are Merit Energy Company wells. No other producers were found of record during the title search.

Please feel free to contact me if you should have any questions or require any additional information.

Yours truly,

Robert L. Crabb
Agent for Merit Energy Company

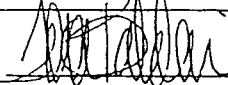
P. O. BOX 2606 • FARMINGTON, NM 87499

TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

cc: Bureau of Land Management
Bureau of Indian Affairs - Dulcel, NM
Ernie Bush - NMOCD Aztec, NM
Merit Energy Company - Mr. Terry Gottberg

jeEB1<

NOTICE OF STAKING (Not to be used in place of Application for Permit to Drill Form 3160-3)		6. Lease Number JIC. CONT. #104	
1. Oil well <input type="checkbox"/> Gas well <input checked="" type="checkbox"/> Other (Specify)		7. If Indian, Allottee or Tribe Name JICARILLA APACHE	
2. Name of Operator MERIT ENERGY COMPANY ON SITE TECHNOLOGIES, LTD. - AGENT		8. Unit Agreement Name N/A	
3. Name of Specific Contact Person TORA BALDWIN - Agent		9. Farm or Lease Name JICARILLA "E"	
4. Address & Phone No. of Operator or Agent P.O. BOX 2606 FARMINGTON, NM 87499 (505) 325-5667		10. Well No. #16	
5. Surface Location of Well Attach: a) Sketch showing road entry onto pad, pad dimensions, and reserve pit. b) Topographical or other accept- able map showing location, access road, and lease boundaries.		11. Field or Wildcat Name MV Basin Dakota	
		12. Sec., T., R., M., or Blk and Survey or Area SEC. 22, T.26N., R.4W.	
15. Formation Objective(s) MESA VERDE BASIN DAKOTA	16. Estimated Well Depth 8000'	13. County, Parish or Borough RIO ARriba COUNTY	14. State NM
17. Additional Information (as appropriate; must include surface owner's name, address, and telephone number)			

18. Signed  Title ON SITE TECHNOLOGIES, LTD
AGENT FOR MERIT Date 12-05-94
TORA BALDWIN

Note: Upon receipt of this Notice, the Bureau of Land Management (BLM) will schedule the date of the onsite predrill inspection and notify you accordingly. The location must be staked and access road must be flagged prior to the onsite.

Operators must consider the following prior to the onsite:

- a) H₂S Potential
- b) Cultural Resources (Archeology)
- c) Federal Right of Way or Special Use Permit

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work

DRILL ☒DEEPEN ☐

b. Type of Well

Oil ☐Gas ☒

Other

Single Zone ☐Multiple Zone ☒

2. Name of Operator

Merit Energy 12222 Merit Drive, Suite 1500, Dallas, TX 75251

3. Address and Telephone No. AGENT

(505) 325-8786

On Site Technologies, Ltd. P.O. Box 2606, Farmington, NM 87499

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

2160' FWL & 860' FNL

At proposed prod. zone

Same

14. Distance in Miles and Direction From Nearest Town or Post Office*

Approximately 12 miles from Lindrith, NM

15. Distance from Proposed* Location to
Nearest Property or Lease Line, Ft.
(Also to nearest drlg. unit line, if any)

3120'

16. No. of Acres in Lease
256018. Distance from Proposed Location* to
Nearest Well, Drilling, Completed, or
Applied For, On This Lease, Ft.

100'

19. Proposed Depth
8000'

21. Elevations (Show whether DF, RT, GR, etc.)

6818' GL

5. Lease Designation and Serial No.
Jicarilla Cont. #104

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. Unit Agreement Name

N/A

8. Farm or Lease Name, Well No.

Jicarilla E #16

9. API Well No.

10. Field and Pool, or Wildcat

Blanco Mesa Verde

11. Sec., T., R., M., or Blk.
and Survey or Area

Sec. 22, T26N, R4W

12. County or Parish

Rio Arriba

13. State

NM

17. No. of Acres Assigned to This Well
16020. Rotary or Cable Tools
Rotary22. Approx. Date Work will Start*
May 1, 1995

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Grade, Size of Casing	Weight Per Foot	Setting Depth	Quantity of Cement
12 1/4"	J55 8 5/8"	24 #	300'	230 sxs class B @ 15.6#/gal.
8 5/8"	J55 5 1/2"	15.5# / 17.0#	8000'	Lead 400 sxs class B 50/50/Pozmix @ 11.7#/gal.
			D.V.Tool 5500'	Tail 230 sxs class B @ 15.6#/gal.
				Second stage: Lead 800 sxs class B 50/50/Pozmix @ 11.7 #/gal. Tail 50 sxs class B @ 15.6#/gal.

SEE ATTACHED DRILLING PROGRAM

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

ROBERT CRABB

Title

AGENT FOR MERIT ENERGY

Date

March 16, 1995

(This space for Federal or State office use)

Permit No.

Approval Date

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Conditions of Approval, If Any:

Approved By

Title

Date

*See Instruction on Reverse Side

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.

EXHIBIT B

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-11
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		Pool Code	Pool Name
Property Code	Property Name JICARILLA		Well Number E # 16
OGRID No.	Operator Name MERIT ENERGY COMPANY		Elevation 6818'

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
C	22	26N	4W		860	NORTH	2160	WEST	RIO ARRIE

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

¹² Dedicated Acres	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

<div>16</div> <p>2160'</p> <p>860'</p>	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature _____</p> <p>Printed Name _____</p> <p>Title _____</p> <p>Date _____</p>	
	<div>18 SURVEYOR CERTIFICATION</div> <p>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.</p> <p>9-12-94</p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor _____</p> <p>Certificate Number _____</p>	
	<div>EXHIBIT C</div>	
	<p>GERALD G. HUDDLESTON NEW MEXICO 6844 REGISTERED PROFESSIONAL SURVEYOR</p>	

Jicarilla E # 16
well pad & section

0.9 acres new disturbance

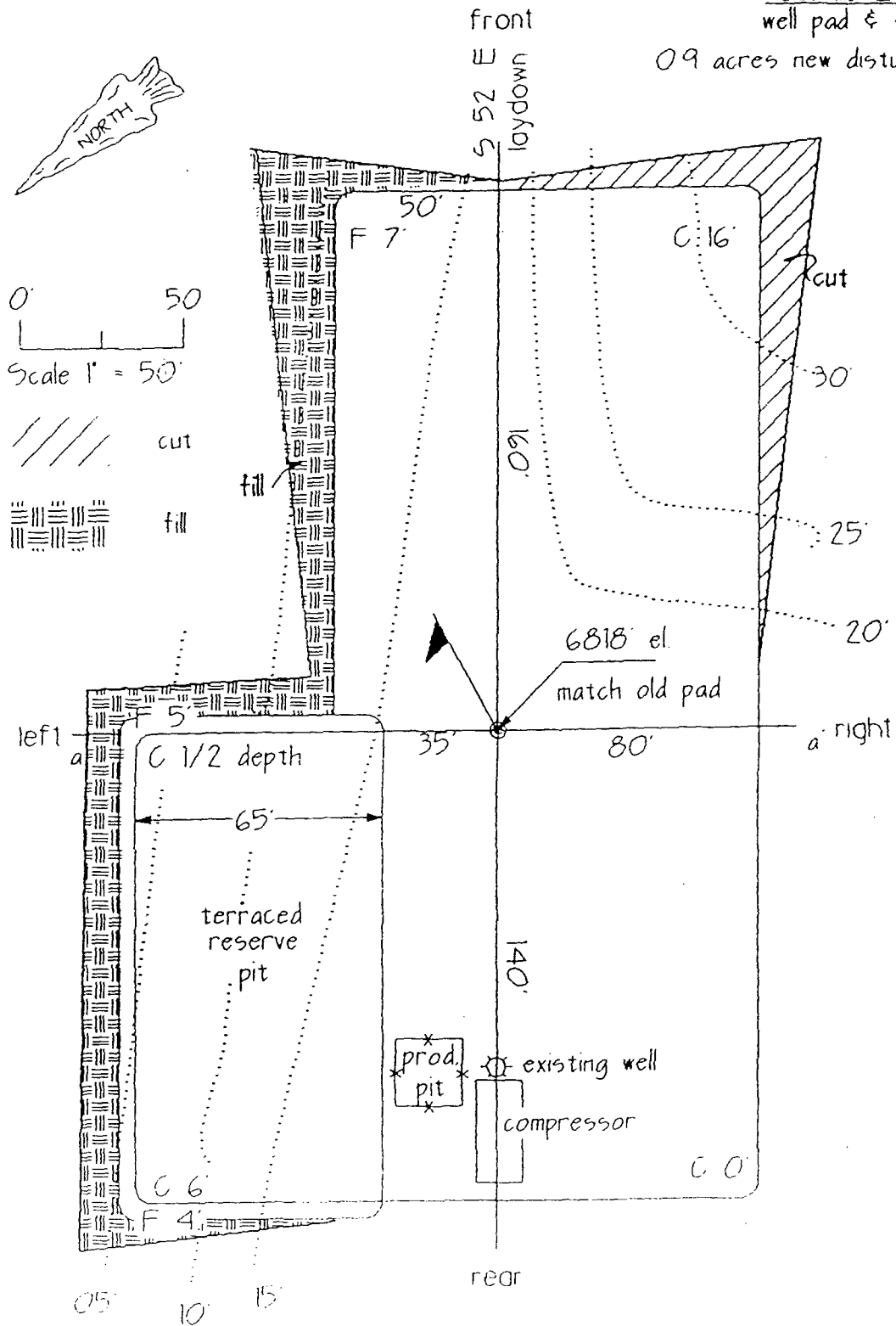
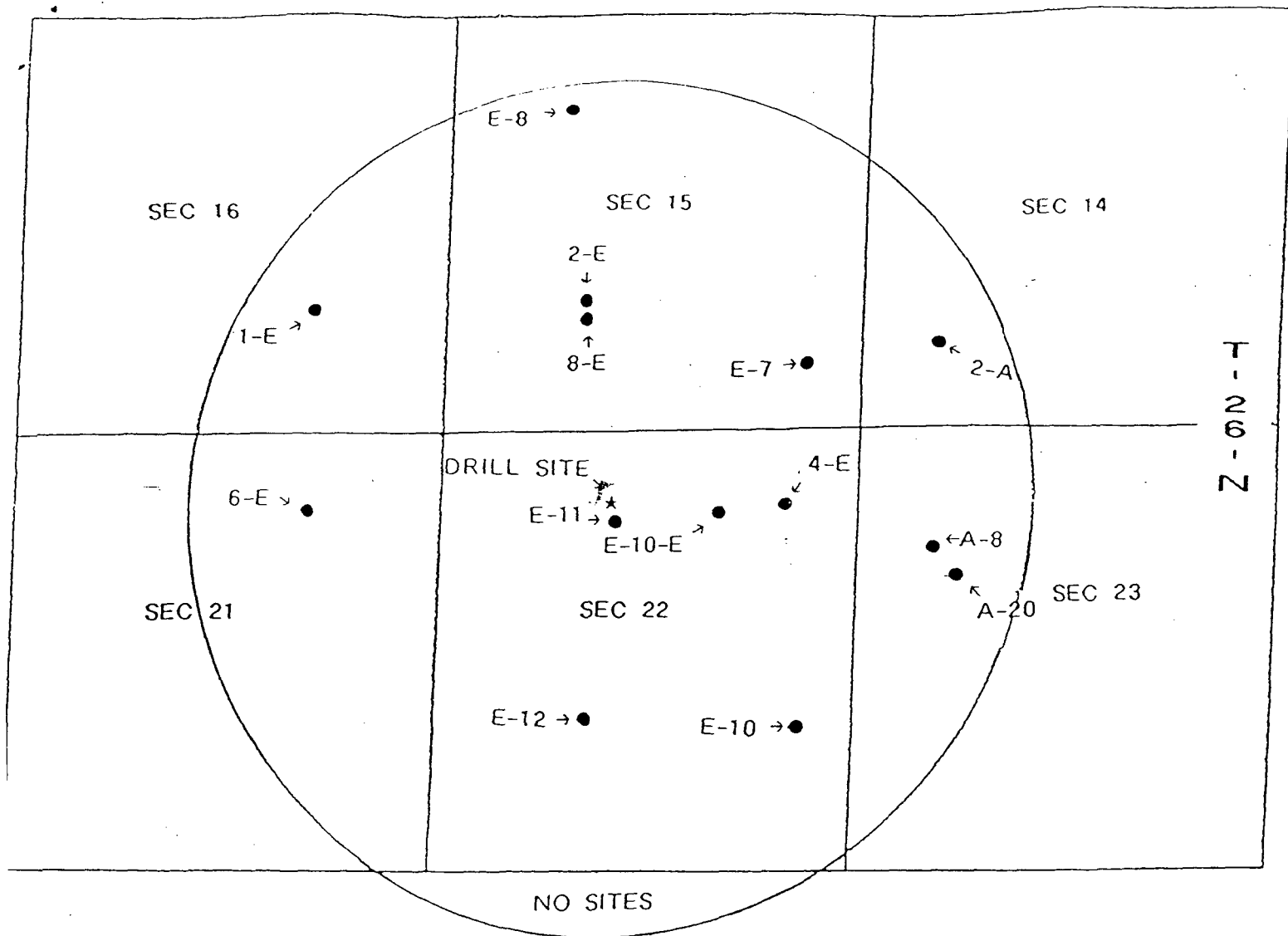


EXHIBIT D



OFFSET WELL LOCATION PLAT FOR AN UNORTHADOX
LOCATION FOR MERIT ENERGY COMPANY'S
JICARILLA E-16

SECTION 22, T-26-N, R-4-W NMPM
RIO ARriba COUNTY, NEW MEXICO

All Above Noted Well Locations Are Merit Energy Company Locations
The "Star" Icon Denotes The Location for The Jicarilla E#16

Drawn By Robert L. Crabb

March 13, 1995

NOT DRAWN TO SCALE

Mike Stogner

From: Ernie Busch
To: Mike Stogner
Subject: MERIT ENERGY CO (NSL)
Date: Friday, June 09, 1995 11:42AM
Priority: High

JICARILLA E #16
2160' FWL; 860' FNL
C-22-26N-04W
RECOMMEND: APPROVAL