

August 19, 1988

Mr. William J. Lemay
Division Director
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: Rule 104 (F)(I) Unorthodox Locations
MEC Sapphire Federal #1 Well
Lea County, New Mexico

Dear Mr. Lemay:

Mitchell Energy Corporation respectfully requests that the State of New Mexico grant administrative approval for the unorthodox location of our Sapphire Federal #1 well.

The proposed well location has been staked 1,650' FSL and 1,650' FEL of Section 23, T19S, R33E located in Lea County, New Mexico. The reason this well location cannot be staked at a legal location is due to large sand dunes which surround the SE/4 of Section 23.

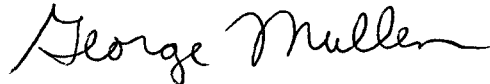
To aid you in your review of this application, I have attached the following Exhibits:

- 1) Exhibit 1: State of New Mexico Form C-102.
- 2) Exhibit 2: Topographical Plat which shows the edge of the major dune area.
- 3) Exhibit 3: Archaeological Survey.
- 4) Exhibit 4: Plat which shows offset operators and offset wells.
- 5) Exhibit 5: Certificate of Service to offset operators.

Should you require any further information in this matter, do not hesitate to contact the undersigned.

Very truly yours,

MITCHELL ENERGY CORPORATION



George Mullen
Regulatory Affairs Specialist

GM/kke

attachment

cc: Oil Conservation Division - District 1
Box 1980
Hobbs, New Mexico 88240
Enron Oil & Gas Company
UNOCA1
Amoco Production Company
H. E. Yates Company



OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator MITCHELL ENERGY		Lease SAPPHIRE FEDERAL		Well No. #1	
Unit Letter J	Section 23	Township 19 SOUTH	Range 33 EAST	County LEA	
Actual Footage Location of Well:					
1650 feet from the		EAST line and		1650 feet from the SOUTH line	
Ground Level Elev. 3639	Producing Formation Morrow	Pool Wildcat		Dedicated Acres 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation NA

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

SEC. 23, T. 19 S., R. 33 E. NMPM

1650'

1650'

CERTIFICATION

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

George Mullen

Name

George Mullen

Position

Reg. Affairs Specialist

Company

Mitchell Energy Corp.

Date

August 19, 1988

I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

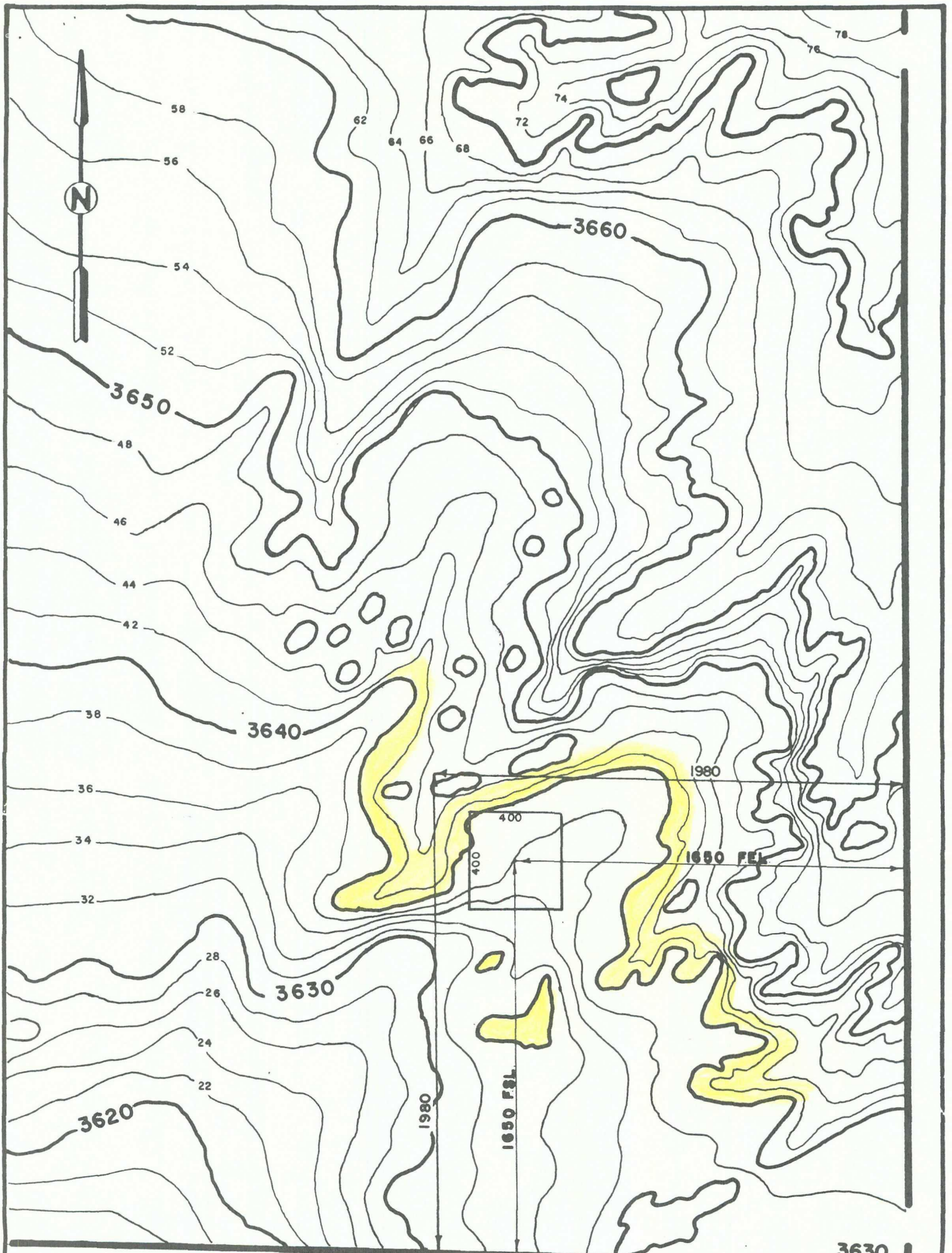
JUNE 19, 1988

Registered Professional Engineer and/or Land Surveyor

John D. Jaquess, P.E., L.S.

Certificate No.

6290



ELEVATIONS			
NE COR. GRID	3638	SW COR. GRID	3635
SE COR. GRID	3637	NW COR. GRID	3640
WELL LOCATION 3639			

SE CORNER, SEC. 23, T. 19 S., R. 33 E.

Exhibit No. 2

FOR MITCHELL ENERGY Edge of major dune area	
SAPPHIRE FEDERAL #1 1650 FSL, 1650 FEL SEC. 23, T. 19 S., R. 33 E. LEA COUNTY, NEW MEXICO	
DATE 07/26/88	APPVD.
SCALE 1" = 500'	DK. PAGE
DRN. L.C.R.	DWG. NO.

Exhibit No. 3

ARCHAEOLOGICAL SURVEY of the MITCHELL ENERGY CORPORATION
SAPPHIRE FEDERAL WELL NO. 1
ALTERNATE LOCATIONS 1, 2, & 3; and ACCESS ROAD R/W
T19S, R33E, SECTION 23, NW/4SE/4. LEA COUNTY, NEW MEXICO

FEDERAL LAND SURFACE [USGS 7.5', LAGUNA GATUNA, NW, N.M., 1984]

ASC Report 88-62

by Dorothy M. Griffiths, Project Archaeologist
and James V. Sciscenti, Principal Investigator

ARCHAEOLOGICAL SURVEY CONSULTANTS
P.O. Drawer D, Roswell, New Mexico 88202
[505] 623-5012

PERMIT NO.: 18-2920-88-C

July 5, 1988

Prepared for:

Mitchell Energy Corporation
200 North Lorraine St., Suite 1000
Midland, Texas 79701

Attention: George Tullas

Distribution:

~~Mitchell Energy Corporation~~ (1)
BLM - Carlsbad Resource Area (2)
New Mexico SHPO (1)
Griffiths (1)

ARCHAEOLOGICAL SURVEY CONSULTANTS**CULTURAL RESOURCES EXAMINATION**

on lands administered by the
Department of the Interior
Bureau of Land Management
Roswell District, New Mexico

ASC PERMIT NO.: 18-2920-88-C
ASC Job No.: 88-62; Mitchell
Energy Corp. Sapphire Fed. Well
No. 1 & Access Road R/W,

1. ABSTRACT: intensive archaeological survey, on **federal land surface**, of the Mitchell Energy Corporation Sapphire Federal Well No. 1 and access road R/W. Because of a high aeolian dune rise, and other environmental problems associated with the initially staked location (at 1980 FSL, 1980 FEL), two (2) other alternate locations (at 1650 FSL, 1650 FEL; & 1980 FSL, 2310 FEL) were staked and gridded. The 3 alternate well pad locations slightly overlap. Alternate Locations 1 & 2 (400 ft. NS x 730 ft. EW, 6.70 acres); Alternate Location 3 (400 ft. sq.; the NW corner, 70 ft. square, of the pad overlaps Alternate Location 1, 3.56 acres). The three alternate well pads (total of 10.26 acres), and an access road R/W (3200 ft. long X 100 ft. wide, 7.35 acres), with a total **federal land surface of 17.61 acres**, were inspected for cultural remains.

Archaeological survey of the 3 alternate locations for the Sapphire Federal Well No. 1, and the access road R/W, revealed the occurrence of 3 Isolated Manifestations, none of which appear significant past the level of field recording. Therefore, archaeological **CLEARANCE** for the Mitchell Energy Corporation Sapphire Federal Well No. 1 and access road R/W is **RECOMMENDED**.

2. WELL PAD LOCATION, ALTERNATE 1: T19S, R33E, Section 23, Centre, NW/4SE/4 (1980 FSL, 1980 FEL). **ALTERNATE 2:** T19S, R33E, Section 23, Centre, West 1/2, NW/4SE/4 (1980 FSL, 2310 FEL). **ALTERNATE 3:** T19S, R33E, Section 23, Centre, SE/4NW/4SE/4 (1650 FSL, 1650 FEL). **ACCESS ROAD R/W:** T19S, R33E, Section 23: NW/4NW/4SE/4; NE/4NE/4SW/4; NW/4NE/4SW/4; NE/4NW/4SW/4; NW/4NW/4SW/4; SW/4NW/4SW/4. Lea County, New Mexico.

U.S.G.S. 7.5 minute series, LAGUNA GATUNA, NW, NEW MEXICO, 1984.

LAND STATUS: BLM, Roswell District/Carlsbad Resource Area, New Mexico.

3. PROJECT DESCRIPTION: Three alternate well pads (total of 10.26 acres), and an access road R/W (3200 ft. long X 100 ft. wide, 7.35 acres), with a total **federal land surface of 17.61 acres**, were inspected for cultural remains.

TOPOGRAPHY: the proposed project is on the Mescalero Pediment, Querecho Plains, ca. 3.0 miles northeast of Laguna Tonto, straddling 2 soil zones; the Alternate # 1 location of the proposed Sapphire Fed. Well No. 1 is on the SW toe of a NE/SW trending dune ridge system, consisting of deep (up to 6 metres) aeolian deposits, which extend NE for about a mile. Deep, elongate, to crescent-shaped, partly vegetated deflation basins of large size, occur within the dune ridge system. The Alternate # 2 location, which straddles the interface of Kermit-Duneland sands and Kermit-Palomas fine sands, is immediately to the west of the dune ridge, with the eastern part of the pad on the ridge. Alternate # 3 is south of the dune ridge, with only the extreme northern part of the well pad on the dune rise. The access road R/W is within an area of undulating aeolian terrain, marked by few dune rises, and relatively shallow deflation basins (less than 1 metre deep). In general, the terrain slopes to the southwest, ca. 3 miles to Laguna Tonto. **Soils:** Kermit soils-Duneland at the east end of the area, & Kermit-Palomas fine sands, elsewhere. **Permanent Water:** Laguna Gatuna, ca. 7 miles southwest. **Potential Water:** Laguna Tonto, ca. 3.0 miles SW. **Elevation:** 3635 ft. to 3651 ft. **Slope:** 0.50 to 1.74 degrees. **Aspect:** SW. **Lithic Resource Material:** not available in the immediate project vicinity. **Vegetation:** Grassland Formation, scrub-grass scrub community.

4. EXAMINATION PROCEDURE: straight and zig-zag transects, spaced no further than 15 metres apart, with inspection of all deflation basins; dogleash transects in the vicinity of Isolated Manifestations. Ca. 9.0 manhours on ground. Well pad centres/corners and access road centreline staked by client.

VISIBILITY: ground, ca. 60%, with 100% in deflation basins; weather, sunny.

5. FINDINGS: BLM records do not indicate the prior recording of sites within Sections 23, T19S, R33E; records for Section 22 (T19S, R33E) indicate the recording of 2 sites (NM-06-2541 & ENMU 5500 in the NW/4 of the section [Calamia, 6/28/1988]). The sites will not be endangered by well pad or access road construction.

Archaeological survey of the 3 alternate locations for the Sapphire Federal Well No. 1, and the access road R/W, revealed the occurrence of 3 Isolated Manifestations, none of which appear significant past the level of field recording. Data on the isolates occur in the attached I.A. forms.

6. RECOMMENDATIONS: archaeological **CLEARANCE** for the well pad, at Locations 1, 2, or 3, and access road R/W, is **RECOMMENDED**.

Date of Examination: June 30, 1988

Project Archaeologist: D.M. Griffiths

Principal Investigator: [Signature]

ISOLATED ARTIFACT FORM

ARCHAEOLOGICAL SURVEY CONSULTANTS NO.: ASC 88-62-Z.M.#1

UTM: Zone 13 E 628,445 m N 3,612,290 m
Legal Desc.: T 19 S R 33 E Section 23; SE 1/4 NW 1/4 SE 1/4.
County: Chaves / Eddy / Lea State New Mexico Elevation 3641 ft.
Map Reference: USGS LAGUNA GATUNA NW Date: 1984 Scale: (7.5") / 15"

Topographic Setting:

☐ arroyo/wash	☐ constricted canyon	☐ hill slope	☐ playa
☐ base of cliff	☐ dune	☐ low rise	☐ ridge crest
☐ bench	☐ dune ridge system	☐ mesa	☐ ridge slope
☒ blowout	☐ dune rise (local)	☐ mountain	☐ saddle
☐ canyon rim	☐ floodplain	☐ mountain front	☐ base, talus slope
☐ cave	☐ valley bottom	☐ foothill	☐ terrace
☐ cliff/scarp	☐ hill top	☐ plain/flat	☐ open canyon floor

other _____

Dep. Envir.: bedrock residual aeolian colluvial alluvial other _____

Local Vegetation Oakbrush, sagebrush, yucca, buckwheat, prickly pear.
grasses: 3-awn, dropseed, little bluestem, grama, Sunflowers

Ecological Zone: forest _____ woodland _____ scrubland grassland desert _____
scrub _____ marshland _____ other (specify) _____

Cultural Data:

Chipped Stone: lithic debitage core biface uniface other _____

Material _____ Platform; Flake Stage; Retouch; etc.

1 grey-tan chert prepared platform tertiary flake: 3.1 x 3.3 x 0.6 cms.

Ground Stone: _____

Ceramics: type, if known; describe paint, slip, temper, paste, vessel form, rim type, etc.

Historic (older than 50 yrs.) _____

Other _____

Sketch

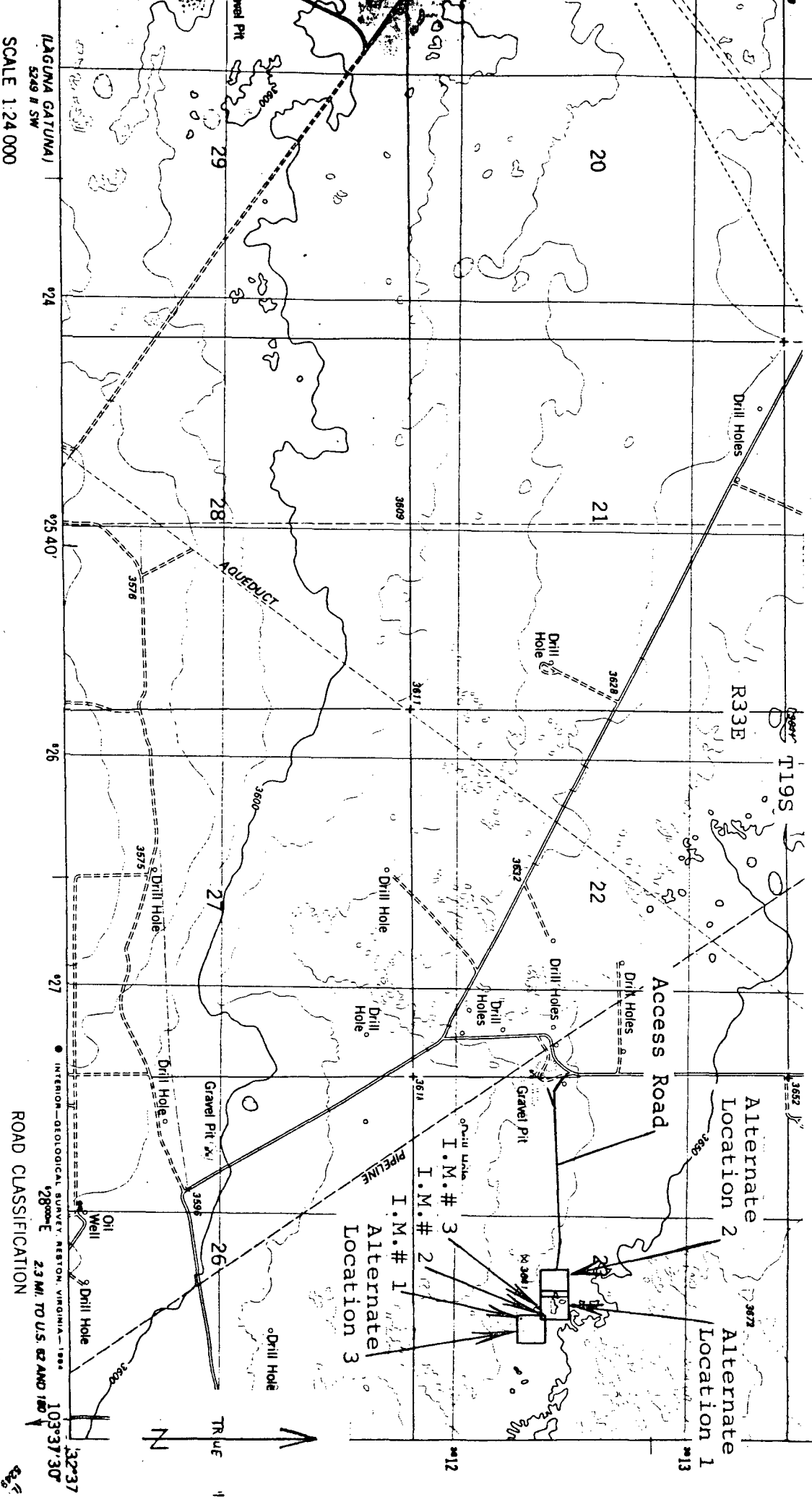
Cultural Affiliation UNKNOWN. Best Date UNKNOWN.Artifact collected? yes ☐ no ☒ Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-62-IM #2 & 3 Public. Date: 7/05/88 Institution ARSC

Author & Title GRIFFITHS, D.M. & J.V. SCISCENTI: "SAPPHIRE FEDERAL WELL No. 1.
ALTERNATE LOCATIONS 1, 2, & 3 & ACCESS ROAD FOR MITCHELL ENERGY CORP.

Field Recorder: D.M. GRIFFITHS Date: 6/30/88.

Form must be accompanied by a photocopy portion of the appropriate U.S.G.S. map, showing
Township, Range, scale, & quadrangle name.

Map showing the location of the Mitchell Energy Corporation Sapphire Federal Well No. 1, Alternate locations 1, 2, & 3, and Access Road. T19S, R33E, Section 23: location 1: 1980 FSL, 1980 FEL; location 2: 1980 FSL, 2310 FEL; location 3: 1650 FSL, 1650 FEL; Lea County, New Mexico. Squares show locations of well pads; solid line shows location of access road; dots show locations of Isolated Manifestations. U.S.G.S. 7.5' series, LAGUNA GATUNA NW, NEW MEXICO, 1984. ASC project: 88-62.



LAGUNA GATUNA)
 5249 N SW
 SCALE 1:24 000
 ROAD CLASSIFICATION
 280000 2.3 MI. TO U.S. 62 AND 180
 103°37'30"

UTM: Zone 12 E 628,390 m N 3,612,370 m.
 Legal Desc.: 1 19 E R 33 E1 Section 23, SE 1/4 NW 1/4 SE 1/4.
 County: Chaves / Eddy / Lea / State New Mexico Elevation 3649 ft.
 Map Reference: USGS LAGUNA GATUNA NW Date: 1984 Scale: (7.5") / 15"

Topographic Setting:

☐ arroyo/wash	☐ constricted canyon	☐ hill slope	☐ playa
☐ base of cliff	☐ dune	☐ low rise	☐ ridge crest
☐ bench	☐ dune ridge system	☐ mesa	☐ ridge slope
☒ blowout	☐ dune rise (local)	☐ mountain	☐ saddle
☐ canyon rim	☐ floodplain	☐ mountain front	☐ base, talus slope
☐ cave	☐ valley bottom	☐ foothill	☐ terrace
☐ cliff/scarp	☐ hill top	☐ plain/flat	☐ open canyon floor

other _____

Dep. Envir.: bedrock residual aeolian colluvial alluvial other _____

Local Vegetation Oakbrush, sagebrush, yucca, buckwheat, prickly pear.
grasses: 3-awn, dropseed, little bluestem, grama

Ecological Zone: forest _____ woodland _____ scrubland grassland desert _____
 scrub _____ marshland _____ other (specify) _____

Cultural Data:

Chipped Stone: lithic debitage core biface uniface other _____

Material _____ Platform; Flake Stage; Retouch; etc.

1 opalized caliche prepared platform Secondary flake: 2.6 x 3.0 x 0.4 cms.

Ground Stone: _____

Ceramics: type, if known; describe paint, slip, temper, paste, vessel form, rim type, etc.

Historic (older than 50 yrs.) _____

Other _____

Sketch

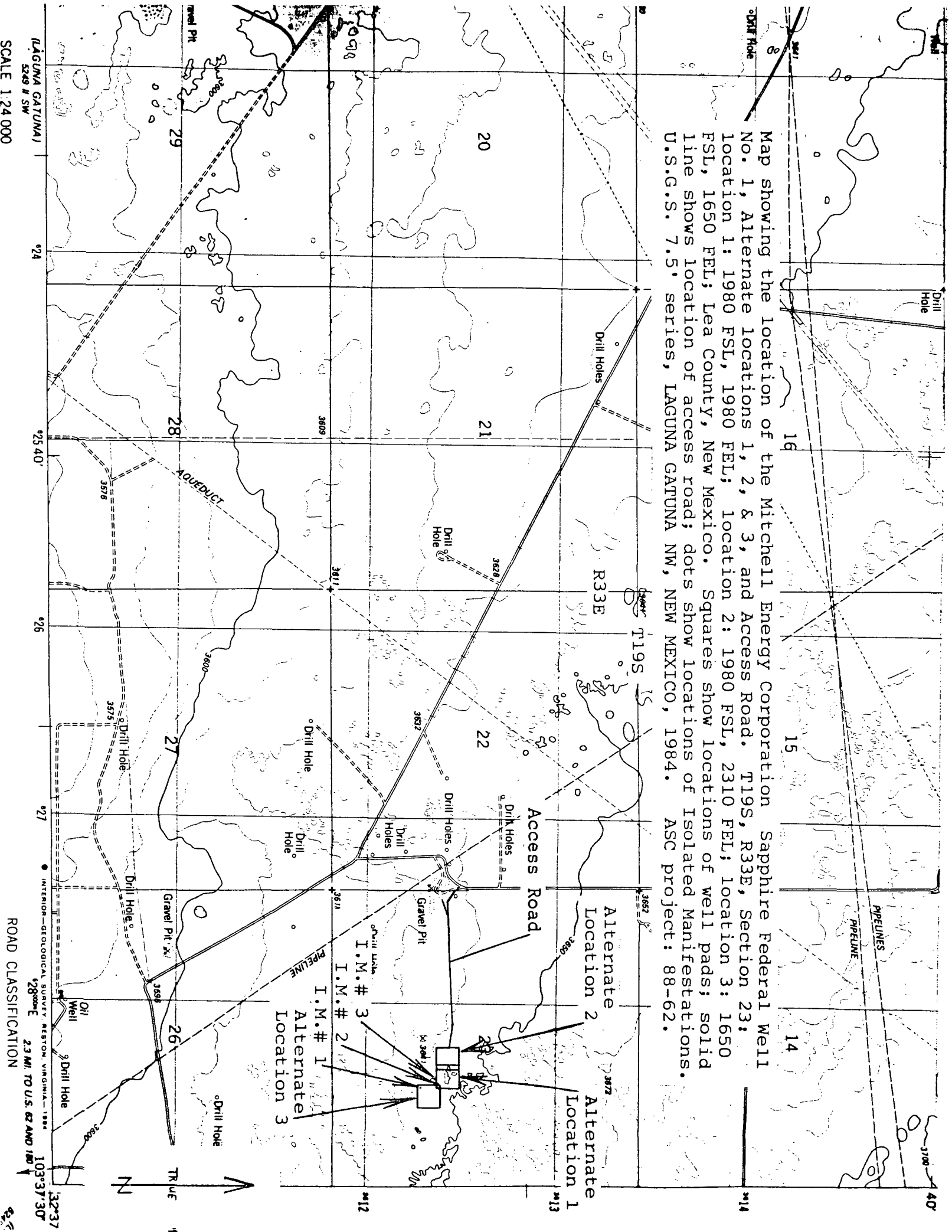
Cultural Affiliation UNKNOWN. Best Date UNKNOWN.Artifact collected? yes ☐ no ☒ Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-62-IM #1 & 2 Public. Date: 7/05/88 Institution BRSC

Author & Title GRIFFITHS, D.M. & J.V. SCISCENTI: "SAPPHIRE FEDERAL WELL No. 1.
ALTERNATE LOCATIONS 1, 2, & 3 & ACCESS ROAD FOR MITCHELL ENERGY CORP."

Field Recorder: J.V. SCISCENTI Date: 6/30/88

Form must be accompanied by a photocopy portion of the appropriate U.S.G.S. map, showing
 Township, Range, scale, & quadrangle name.

Map showing the location of the Mitchell Energy Corporation Sapphire Federal Well No. 1, Alternate locations 1, 2, & 3, and Access Road. T19S, R33E, Section 23; location 1: 1980 FSL, 1980 FEL; location 2: 1980 FSL, 2310 FEL; location 3: 1650 FSL, 1650 FEL; Lea County, New Mexico. Squares show locations of well pads; solid line shows location of access road; dots show locations of Isolated Manifestations. U.S.G.S. 7.5' series, LAGUNA GATUNA NW, NEW MEXICO, 1984. ASC project: 88-62.



UTM: Zone 13 E 628,425 m N 3,612,380 m.
 Legal Desc.: 1 19 S R 33 E1 Section 23, SE 1/4 NW 1/4 SE 1/4.
 County: Chaves / Eddy (Lead) State New Mexico Elevation 3649 ft.
 Map Reference: USGS LAGUNA GATUNA NW Date: 1984 Scale (7.5") / 15"

Topographic Setting:

☐ arroyo/wash	☐ constricted canyon	☐ hill slope	☐ playa
☐ base of cliff	☐ dune	☐ low rise	☐ ridge crest
☐ bench	☒ dune ridge system	☐ mesa	☐ ridge slope
☒ blowout	☐ dune rise (local)	☐ mountain	☐ saddle
☐ canyon rim	☐ floodplain	☐ mountain front	☐ base, talus slope
☐ cave	☐ valley bottom	☐ foothill	☐ terrace
☐ cliff/scarp	☐ hill top	☐ plain/flat	☐ open canyon floor

other _____

Dep. Envir.: bedrock residual (aeolian) colluvial alluvial other _____

Local Vegetation Oakbrush, sagebrush, yucca, buckwheat, prickly pear.
grasses: 3-awn, dropseed, little bluestem, grama

Ecological Zone: forest _____ woodland _____ scrubland (grassland) _____ desert _____
 scrub _____ marshland _____ other (specify) _____

Cultural Data:

Chipped Stone: lithic debitage core biface uniface other _____

Material _____ Platform; Flake Stage; Retouch; etc. _____

Localized caliche core with unidirectional flaking on one edge & side,
two flakes removed from other side: 5.2 x 4.0 x 3.0 cms.

Ground Stone: _____

Ceramics: type, if known; describe paint, slip, temper, paste, vessel form, rim type, etc. _____

Historic (older than 50 yrs.) _____

Other _____

Sketch _____

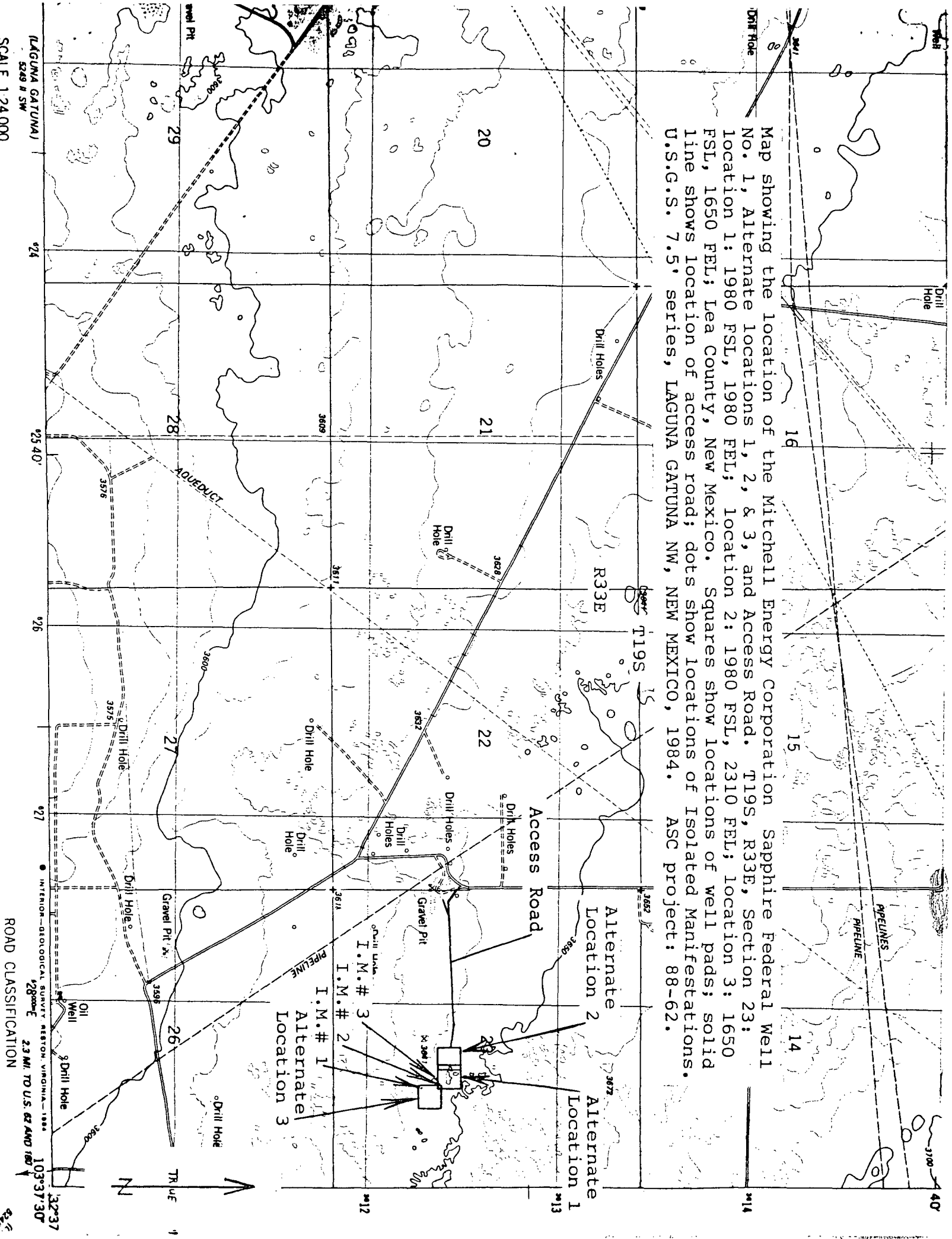
Cultural Affiliation UNKNOWN Best Date UNKNOWNArtifact collected? yes ☒ no ☐ Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-62-IM #183 Public. Date: 7/05/88 Institution ARSC

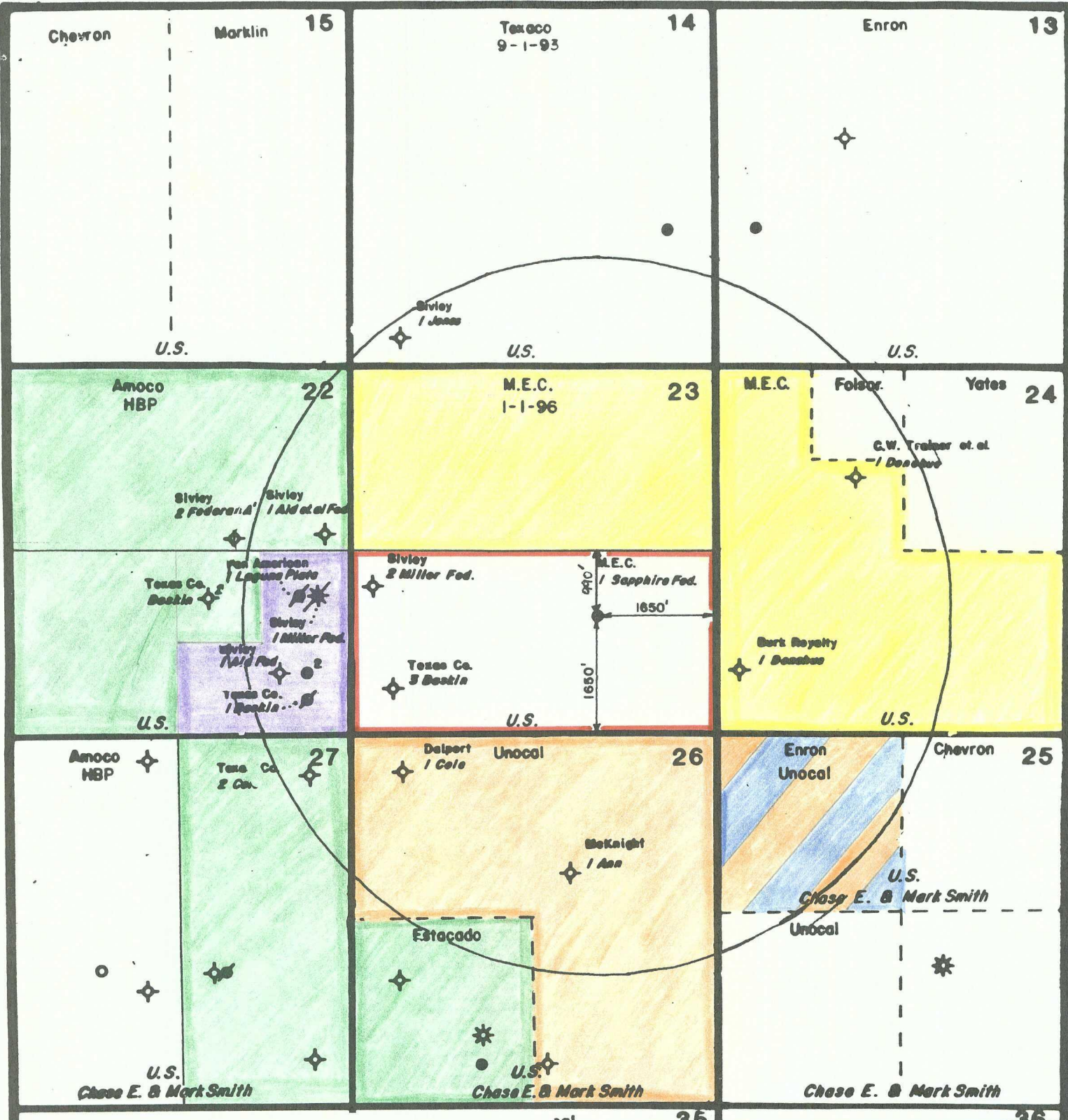
Author & Title GRIFFITHS, D.M. & J.V. SCISCENTI: "SAPPHIRE FEDERAL WELL No. 1.
ALTERNATE LOCATIONS 1, 2, & 3 & ACCESS ROAD FOR MITCHELL ENERGY CORP."

Field Recorder: J.V. SCISCENTI Date: 6/30/88

Form must be accompanied by a photocopy portion of the appropriate U.S.G.S. map, showing
 Township, Range, scale, & quadrangle name.

Map showing the location of the Mitchell Energy Corporation Sapphire Federal Well No. 1, Alternate locations 1, 2, & 3, and Access Road. T19S, R33E, Section 23; location 1: 1980 FSL, 1980 FEL; location 2: 1980 FSL, 2310 FEL; location 3: 1650 FSL, 1650 FEL; Lea County, New Mexico. Squares show locations of well pads; solid line shows location of access road; dots show locations of isolated manifestations. U.S.G.S. 7.5' series, LAGUNA GATUNA NW, NEW MEXICO. ASC project: 88-62.





MITCHELL ENERGY CORPORATION

SAPPHIRE FEDERAL #1
Lea County, New Mexico

SCALE: 1"=2000'
DATE: 8/88

Exhibit 4

ATTACHMENT TO EXHIBIT #4
Abandoned Wells Within One-Mile Radius
Sapphire Federal No. 1
Sec 23, T-19-S, R-33-E
Lea Co., New Mexico

Sec. 14

Sively, Jones Fed. #1 (330' FSL & 660' FWL) D&A

Sec. 22

Pan American, Laguna Plata Unit #1 (1980' FSL & 710' FEL) P&A
Sively, Aid et al Fed #1 (2310' FNL & 330' FEL) D&A
Sively, Federal "A" #2 (2310' FNL & 1650' FEL) D&A
Sively, Hebert Aid Federal #1 (800' FSL & 990' FEL) D&A
Sively, Hebert Aid Federal #2 (1220' FSL & 660' FEL) P&A
Sively, Miller Federal #1 (1980' FSL & 495' FEL) P&A
Texas Co., Baskin #1 (660' FSL & 660' FEL) P&A
Texas Co., Baskin #2 (1980' FSL & 1980' FEL) D&A

Sec. 23

Sively, Miller Fed. #2 (2125' FSL & 100' FWL) D&A
Texas Co., Baskin #3 (660' FSL & 660' FWL) D&A

Sec. 24

Burk Royalty, Donohue #1 (800' FSL & 330' FWL) D&A
C.W. Trainer et al, Donohue #1 (1650' FNL & 1980' FWL) D&A

Sec. 26

Dalport, Cole #1 (660' FNL & 660' FWL) D&A
McKnight, Ann #1 (1980' FNL & 1980' FEL) D&A

Sec. 27

Texas Co., Cole #2 (660' FNL & 660' FEL) D&A

Exhibit No. 5

Certificate of Service

I hereby certify that a true and correct copy of Mitchell Energy Corporation's Application for an Unorthodox Location, for its Sapphire Federal No. 1 well, was sent to each of the below named offset operators by certified mail on August 22, 1988.

Enron Oil & Gas Company
Box 1188
Houston, Texas 77251

UNOCAL
P. O. Box 3100
Midland, Texas 79702

Amoco Production Company
P. O. Box 3092
Houston, Texas 77001

H. E. Yates Company
Sunwest Center
P. O. Box 1933
Roswell, New Mexico 88201



George Mullen
Regulatory Affairs Specialist

August 1, 1989

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

RECEIVED

AUG 4 1989

OIL CONSERVATION DIV.
SANTA FE

Re: UNOCAL Notification
MEC Sapphire Federal #1 Well
Lea County, New Mexico

Dear Mr. Stogner:



Reference is made to our phone conversation July 31, 1989 whereby you requested a copy of the green certified card signed by UNOCAL's agent. This card was attached to the packet sent to UNOCAL notifying them of Mitchell's request for an unorthodox location for our Sapphire Federal #1 well.

If I can be of any further help in this matter, kindly advise.

Very truly yours,

MITCHELL ENERGY CORPORATION

George Mullen
Regulatory Affairs Specialist

GM:dhh

Enclosure

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

3. Article Addressed to: UNOCAL P. O. Box 3100 Midland, Texas 79702	4. Article Number P 659 892 222 Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail Always obtain signature of addressee or agent and <u>DATE DELIVERED</u>.
5. Signature — Addressee X	8. Addressee's Address (<i>ONLY if requested and fee paid</i>)
6. Signature — Agent X <i>Bob Bayler</i>	
7. Date of Delivery <i>8-24-88</i>	

★ U.S.G.P.O. 1987-178-268

DOMESTIC RETURN RECEIPT

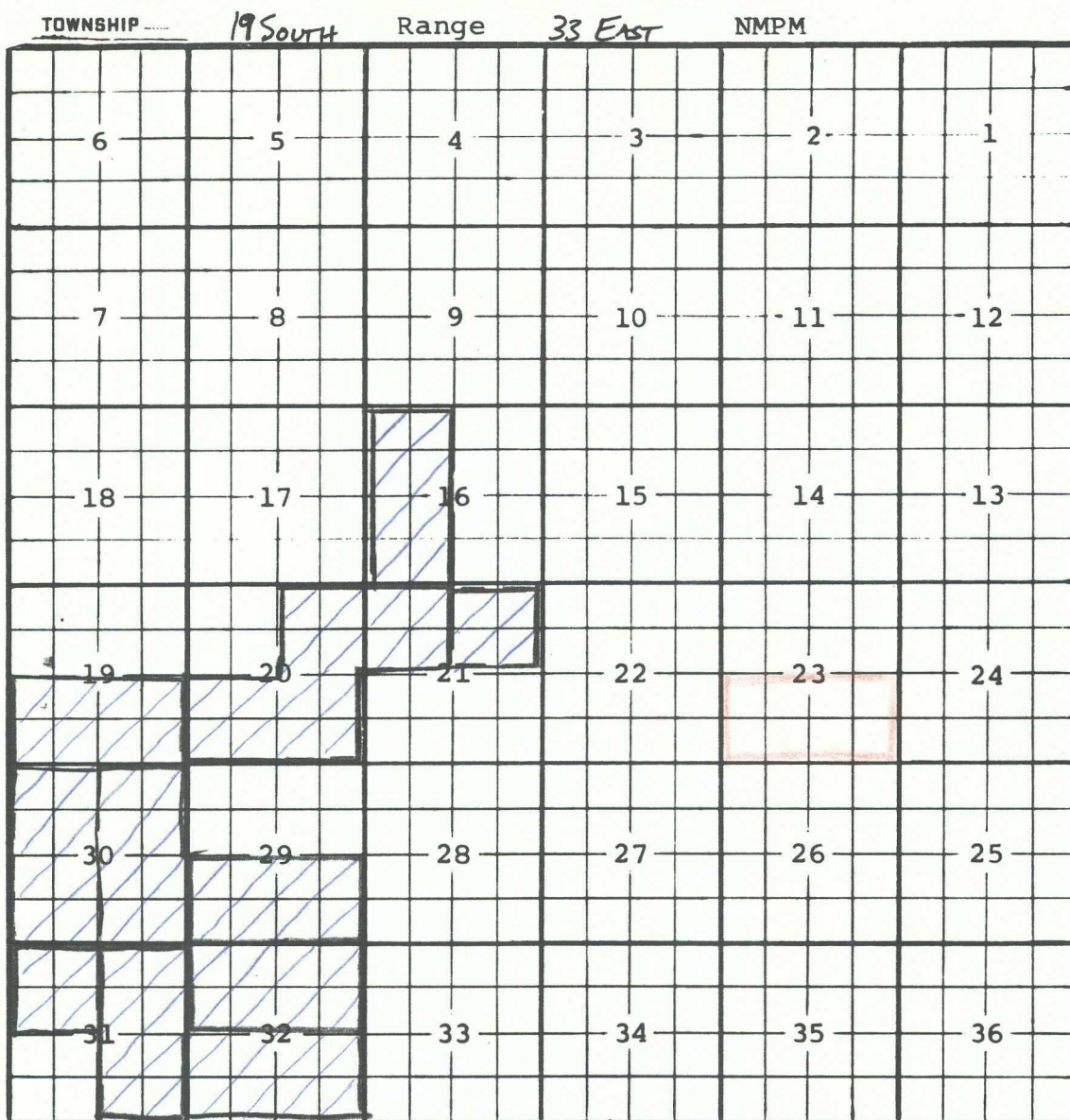
County LEA Pool EAST GEM - MORROW GAS

TOWNSHIP		Range		NMPM	
<u>19 South</u>		<u>33 East</u>			
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

DESCRIPTION: $\frac{1}{2}$ Sec. 35 (R-6211, 12-31-79)
 EXT: $\frac{1}{2}$ Sec. 26 (R-6328, 5-1-80)
 EXT: Sec: 25 $\frac{1}{2}$ + SW $\frac{1}{4}$, Sec: 35 $\frac{1}{2}$ (R-7114-10-19-82)

No Special Pool Rules

County LEA Pool GEM-MORROW GAS



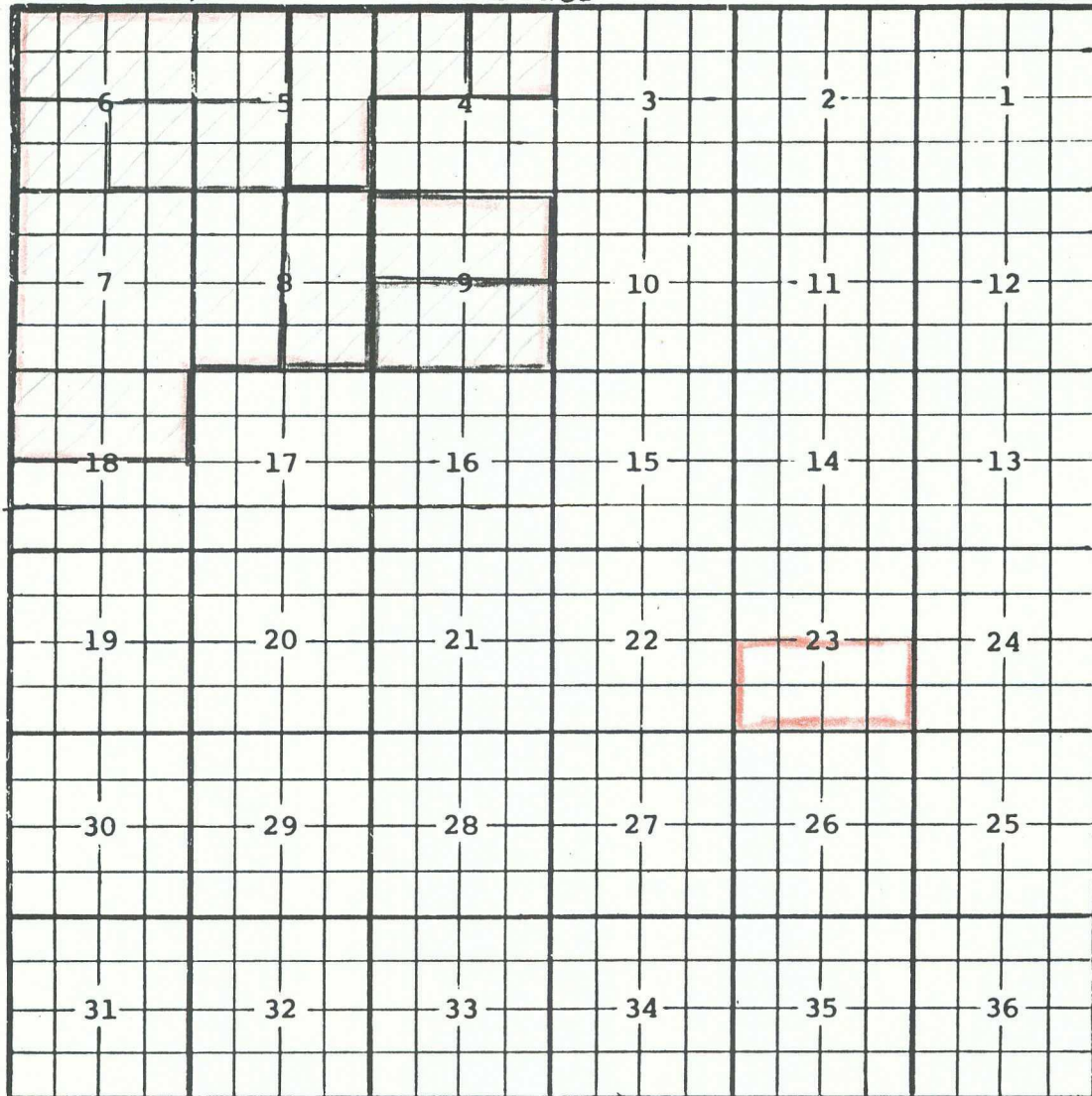
DESCRIPTION: $\frac{1}{2}$ Sec. 29 (R-6211, 12-31-79) Ext: $\frac{1}{2}$ Sec. 32 (R-6420, 8-1-80)
 Ext: $\frac{1}{2}$ sec 31 (R-6724, 7-16-81) Ext: $\frac{1}{2}$ sec 30, $\frac{1}{2}$ sec 32 (R-6890, 1-2-82)
 Ext: $\frac{1}{2}$ Sec. 30 (A-7307, 6-14-83) Ext: $\frac{1}{2}$ Sec. 19 (R-7322, 8-1-83)
 Ext: $\frac{1}{2}$ and $\frac{NE}{4}$ Sec. 20, $\frac{NW}{4}$ sec. 21 (A-7996, 8-6-85)
 Ext: $\frac{NE}{4}$ Sec. 21 (R-8041, 10-3-85) Ext: $\frac{1}{2}$ Sec. 16 (R-8233, 5-29-86)

NMPM

A 6x6 grid with numbers 1 through 36. The numbers are arranged in a boustrophedon pattern, starting from the top right (1) and ending at the bottom left (36). Two red boxes are present: a 2x2 box in the top right corner (covering cells 1, 2, 11, 12) and a 2x1 box in the middle right (covering cells 23, 24).

Description: NW/4 Sec. 2 (L-2620, 1-1-64)

COUNTY Lea POOL Buffalo - Pennsylvanian Gas
 TOWNSHIP 19 South RANGE 33 East NMFM



Description: $NE\frac{1}{4}$ Sec. 4 (R-1559, 1-1-60)

Ext: $NW\frac{1}{4}$ Sec. 4; $\frac{1}{2}$ Sec. 5 (R-2620, 1-1-64) Ext: $SW\frac{1}{4}$ Sec 5, -

- $SE\frac{1}{4}$ Sec 6 (R-5781, 9-1-78)

Ext. $NW\frac{1}{4}$ Sec 5, $N\frac{1}{2}$ Sec 6 (R-6033, 7-1-79)

Ext: $SW\frac{1}{4}$ Sec. 6, All Sec. 7, $W\frac{1}{2}$ Sec. 8, $N\frac{1}{2}$ Sec. 18 (R-6449, 9-1-80)

Ext: $E\frac{1}{2}$ Sec. 8 (R-6476, 10-1-80) Ext: $N\frac{1}{2}$ Sec. 9 (R-6967, 5-6-82)

Ext: Sec. 9, $S\frac{1}{2}$ (R-7114, 10-19-82)

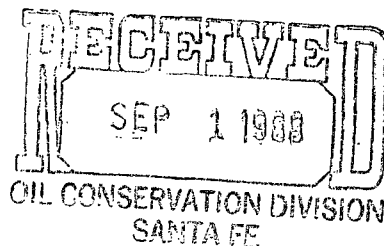


STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

8-29-88

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161



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

RE: Proposed:

MC _____
DHC _____
NSL X _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Mitchell Energy Inc. Sapphire Fed #1-J 23-19-33
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK JS

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed