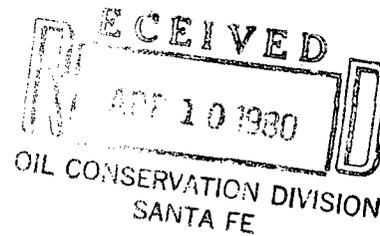


BASS ENTERPRISES PRODUCTION CO.  
FORT WORTH NATIONAL BANK BUILDING  
FORT WORTH, TEXAS 76102

April 7, 1980



State of New Mexico  
Energy & Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Joe D. Ramey, Director

Re: James Ranch Unit Well #12  
Lease #4733 & 4945-B  
Section 21, T22S-R30E  
Eddy County, New Mexico

Dear Sir:

In a letter dated March 10, 1980, we requested administrative approval of an unorthodox location of 1980' FEL and 1650' FNL in the referenced Section for an E/2 proration unit. Under letter dated March 31, 1980, you advised us that our application for approval of the non-standard location for the subject well had been approved under Order NSL-1172. However, we have just recently been advised by the Federal Archeologist that our unorthodox location is not satisfactory and that a new location being 1450' FNL and 1830' FEL would be satisfactory with the Federal Government. Therefore, it is necessary that we again request approval of this non-standard location, which as stated above, has been moved for archeological reasons.

By copy of this letter, we are advising Continental Oil Company of the change in location.

We appreciate your cooperation and understanding in this matter.

Sincerely

A large, stylized handwritten signature in black ink, appearing to read "Jens Hansen".

Jens Hansen  
Division Landman

JH:vm

cc: Continental Oil Company  
Box 1959  
Midland, Texas 79702

Jim Pullig

BASS ENTERPRISES PRODUCTION CO.  
FORT WORTH NATIONAL BANK BUILDING  
FORT WORTH, TEXAS 76102

NSL-1172  
Rule 104 F  
3-31-80

RECEIVED

March 10, 1980

MAR 11 1980

Oil Conservation

New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: James Ranch Unit Well #12  
Oil and Gas Leases  
No. 4733 and 4945-B  
Section 21, T22S-R30E  
Eddy County, New Mexico

E/2  
dedication  
Wolfcamp P &  
Permian Basin

Gentlemen:

We are currently preparing to drill the James Ranch Unit Well #12 in the referenced Section in accordance with our 1980 Plan of Development for the James Ranch Unit. It was our intention to drill this well at a location 1980' FNL and 1980' FEL inasmuch as the S/2 of Section 21 is within the R-111 potash outline, and to create East-West 320 acre proration units will allow two wells to be located in this Section.

However, due to topographical conditions, we are requesting an administrative approval of an unorthodox location. As evidenced by the attached plat, our original location of 1980' FNL and 1980' FEL locates the well on a steep grade which renders drilling operations untenable. Therefore, we are requesting approval to drill the well at a location 1980' FEL and 1650' FNL without penalty or hearing.

The only offsetting operator to this location is Continental Oil Company and we have concurrently notified Continental by certified mail of this application.

If you should have any questions regarding this application, please advise at your convenience.

Sincerely,



Jens Hansen  
Division Landman

RECEIVED

MAR 11 1980

Oil Conservation

JH:vm  
Attachment

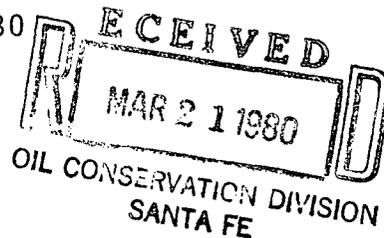
cc: Continental Oil Company  
Box 1959  
Midland, Texas 79702

Jim Pullig



BASS ENTERPRISES PRODUCTION CO.  
FORT WORTH NATIONAL BANK BUILDING  
FORT WORTH, TEXAS 76102

March 18, 1980



State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: Application for Non-  
Standard Location  
James Ranch Unit Well #12  
Section 21, T22S-R30E,  
Eddy County, New Mexico

Attention: R. L. Stamets

Dear Sir:

With reference to your inquiry of March 12, 1980,  
wherein you ask us to identify the acreage to be  
dedicated to the above referenced well, this would  
be the E/2 of Section 21, T22S-R30E, Eddy County,  
New Mexico.

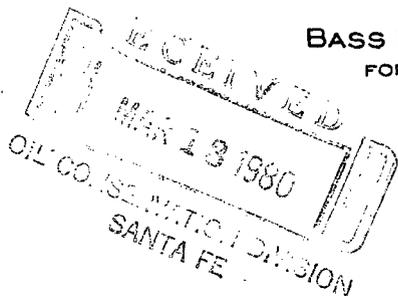
Sincerely,

A large, stylized handwritten signature in black ink, appearing to read "Jens Hansen".

Jens Hansen  
Division Landman

JH:vm

BASS ENTERPRISES PRODUCTION CO.  
FORT WORTH NATIONAL BANK BUILDING  
FORT WORTH, TEXAS 76102



March 10, 1980

Continental Oil Company  
Midland Savings Bldg.  
Box 1959  
Midland, TX 79702

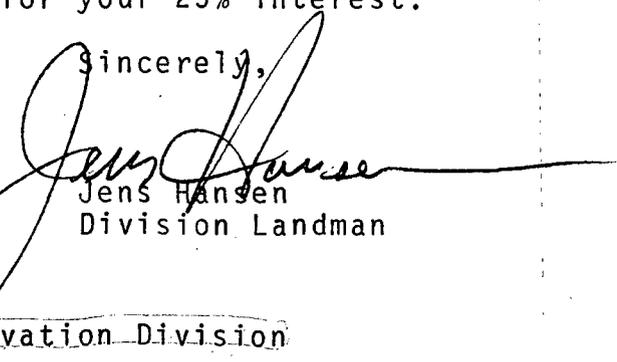
Re: James Ranch Unit Well #12  
Oil and Gas Leases  
No. 4733 & No. 4945-B  
Section 21, T22S-R30E  
Eddy County, New Mexico

Gentlemen:

We have filed an application with the New Mexico Oil Conservation Division requesting an administrative approval for an unorthodox location due to topographical conditions which render a legal location undrillable. We have moved the location from 1980' FNL and 1980' FEL to 1980' FEL and 1650' FNL. Under law, we are required to give all offsetting operators formal notification of our application.

This is the well in which Continental owns an 80 acre interest in the proration unit. It is our understanding you are currently considering participating for your 25% interest.

Sincerely,



Jens Hansen  
Division Landman

JH:vm

cc: New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

March 12, 1980

BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

Bass Enterprises Production Co.  
Fort Worth National Bank Bldg.  
Fort Worth, Texas 76102

Re: Application for Non-Standard  
Location: James Ranch Unit Well  
No. 12, Sec. 21, T-22-S, R-30-E,  
Eddy County, New Mexico

We may not process the subject application for non-standard location until the required information or plats checked below (is) (are) submitted.

- A plat must be submitted clearly showing the ownership of the offsetting leases.
- A statement must be submitted that offset owners have been notified of the application by certified mail.
- A plat must be submitted fully identifying the topography necessitating the non-standard location.
- Other: Please identify the acreage to be dedicated to the well.

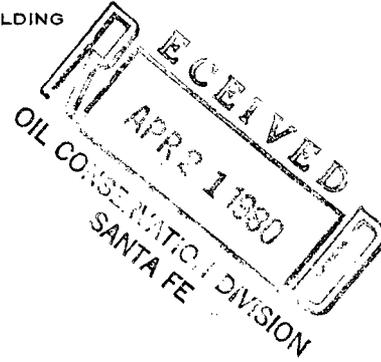
Very truly yours

R. L. STAMETS  
Technical Support Chief

RLS/dr

BASS ENTERPRISES PRODUCTION CO.  
FORT WORTH NATIONAL BANK BUILDING  
FORT WORTH, TEXAS 76102

April 17, 1980



State of New Mexico  
Energy & Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: R. L. Stamets

Re: Application for Non-  
Standard Location  
Section 21, T22S-R30E  
James Ranch Unit Well No. 12  
Eddy County, New Mexico

Dear Sir:

In accordance with your letter dated April 14, 1980, advising us of the needed materials for an approved unorthodox location at the referenced location and Section, we enclose for your handling three plats indicating the new well location and a copy of the letter we today sent Continental Oil Company by way of Certified Mail.

Thank you for your cooperation.

Sincerely,

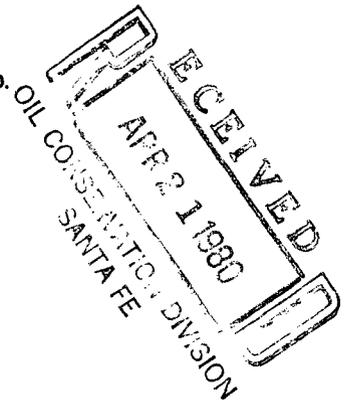
A handwritten signature in cursive script that reads "Jens Hansen".

Jens Hansen  
Division Landman

JH:vm  
Attachments

BASS ENTERPRISES PRODUCTION CO.  
FORT WORTH NATIONAL BANK BUILDING  
FORT WORTH, TEXAS 76102

April 17, 1980



CERTIFIED MAIL

Continental Oil Company  
Midland Savings Bldg.  
Box 1959  
Midland, Texas 79702

Re: James Ranch #12  
Lease #4733 & #4945-B  
Section 21, T22S-R30E  
Eddy County, New Mexico

Gentlemen:

We are advising that Bass Enterprises Production Co. has applied for administrative approval of an unorthodox well location, being 1450' FNL and 1830' FEL of the referenced Section. We recently applied for and received administrative approval for an unorthodox location of 1980' FEL and 1650' FNL, but were unable to drill same because of the Federal Archeologist. Therefore, it is necessary that we again request approval for a non-standard location and in that regard, we are advising of our application.

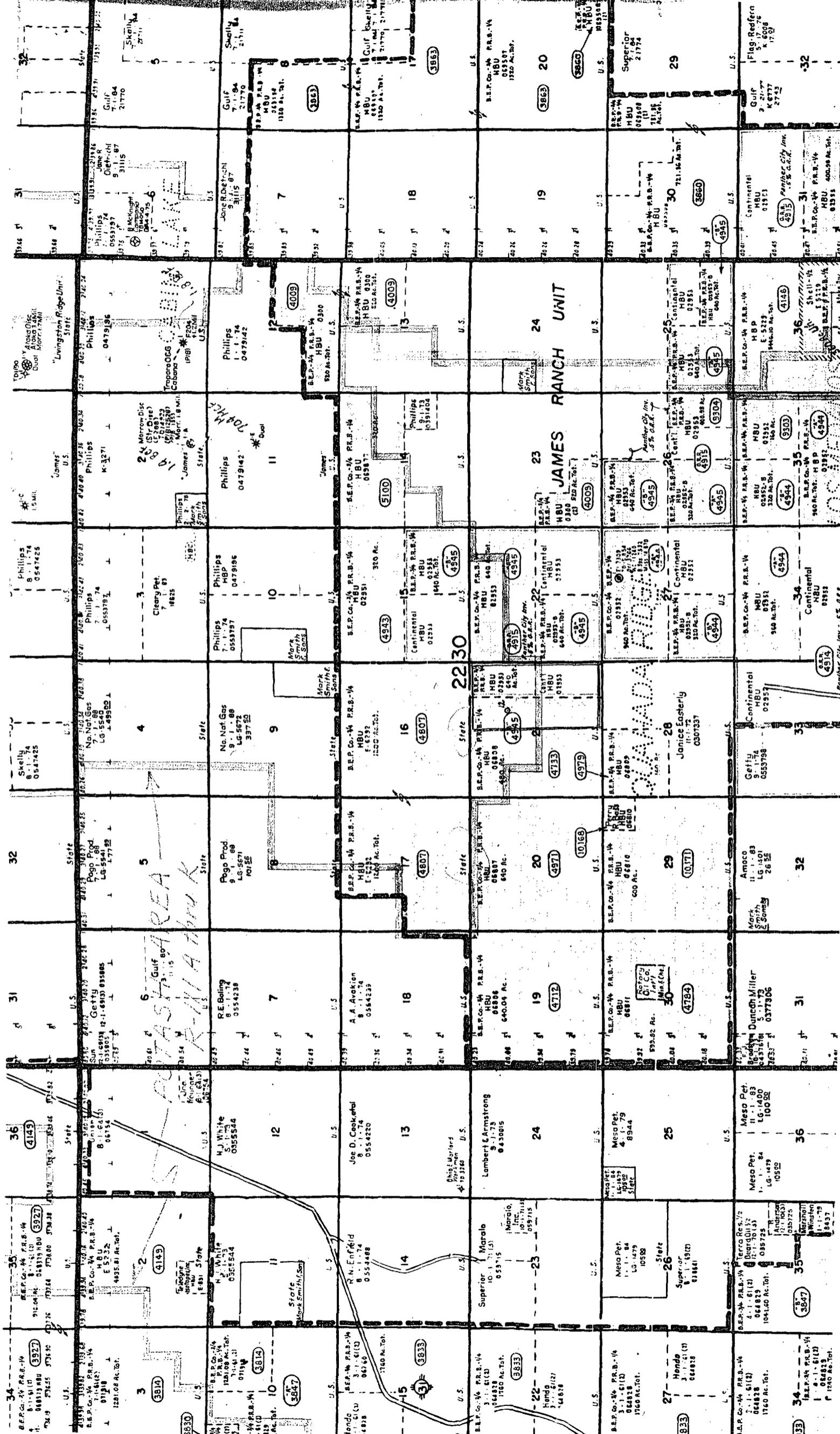
Sincerely,

A large, stylized handwritten signature in black ink, appearing to read 'Jens Hansen'.

Jens Hansen  
Division Landman

JH:vm

cc: State of New Mexico  
Energy & Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501



ACTAS AREA  
R-1-A  
Gulf  
R-1-A

JAMES RANCH UNIT

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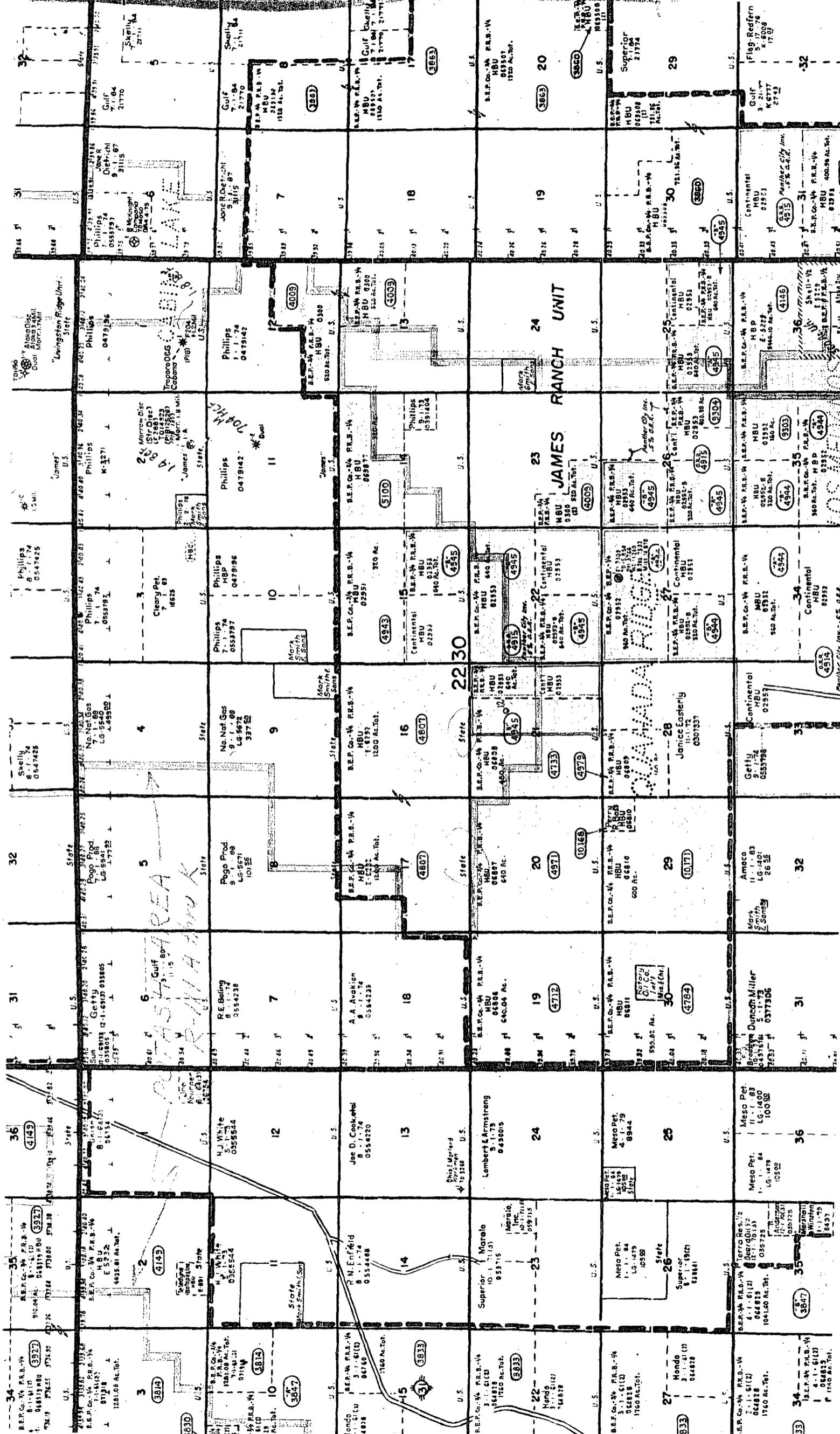
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DUST AREA  
R-1/A AREA

# JAMES RANCH UNIT

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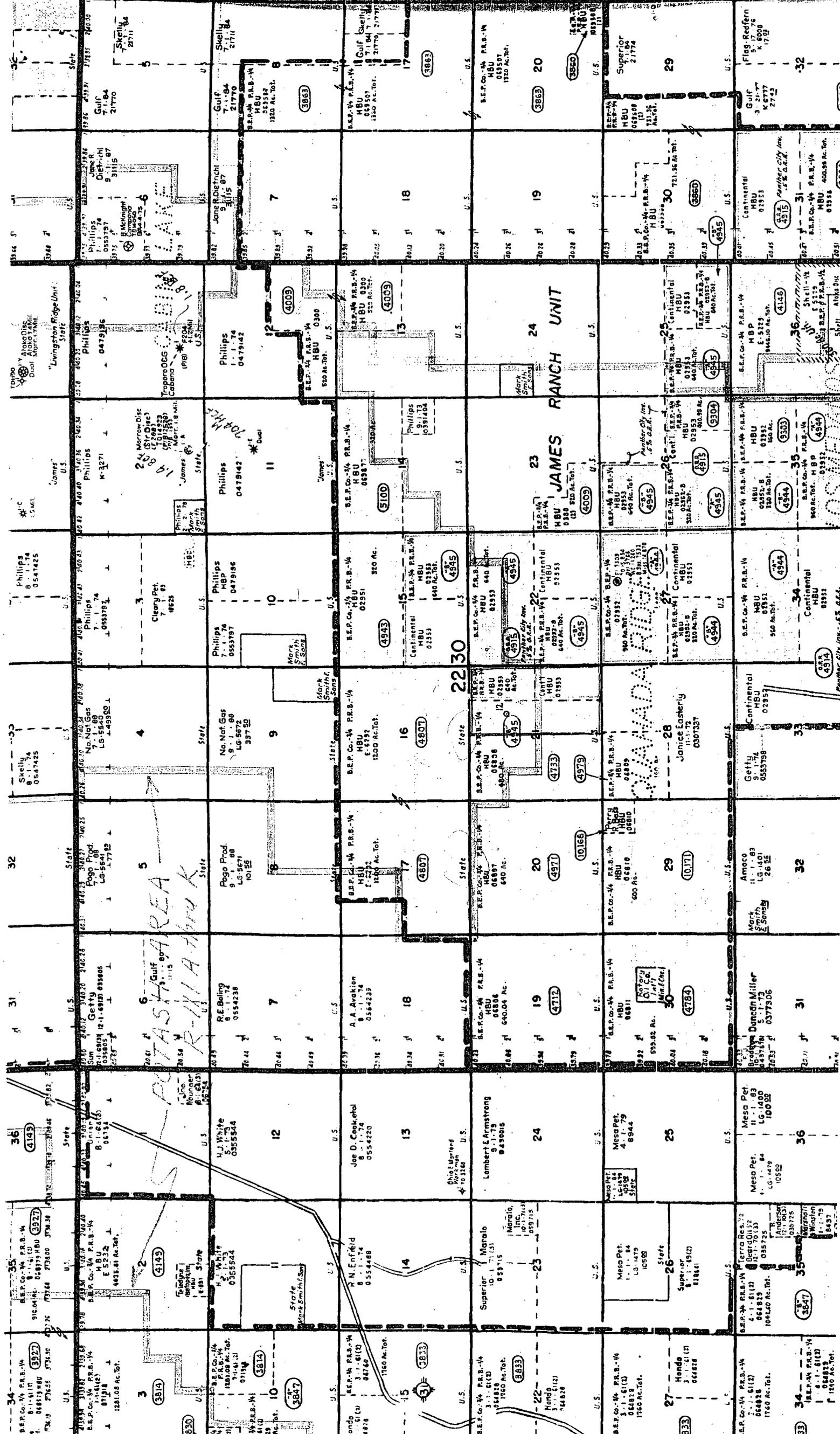
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POTASH AREA  
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JAMES RANCH UNIT

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**NMAS**  
**New Mexico Archaeological Services, Inc.**

P. O. Box 1341  
Carlsbad, New Mexico 88220  
(505) 887-7646

26 May 1980

RECEIVED  
MAY 28 1980

Reconnaissance  
Excavation  
Analysis  
Explanation  
Curation

Mr. Mike Waygood  
Engineering Assistant  
BASS ENTERPRISES PRODUCTION COMPANY  
P.O. Box 2760  
Midland, Texas 79701

Oil Conservation

Dear Mr. Waygood:

Enclosed please find NMAS' Archaeological Clearance Report for BASS ENTERPRISES PRODUCTION COMPANY's proposed James Ranch Unit Well No. 11 and associated access road in Eddy County, New Mexico. One archaeological site (NMAS 5054) was recorded during this reconnaissance. NMAS is thus suggesting clearance for this project provided the drill pad is moved 200 ft north to measure 1450 ft from the north line and 150 ft east to measure 1830 ft from the east line of Section 21, T22S, R30E.

If you have any questions pertaining to this report, please call my office. Thank you for asking NMAS to do this reconnaissance.

Yours sincerely,

Dr. J. Loring Haskell  
Principal Investigator

Enclosure

cc: Mr. Thomas Zale, BLM, Carlsbad  
Ms. Ann Ramage, BLM, Roswell  
Mr. George Stewart, USGS, Artesia  
Mr. Curtis Schaafsma, Laboratory of Anthropology,  
Santa Fe  
Mr. Thomas W. Merlan, SHPO, Santa Fe  
Ms. Diane Richardson, New Mexico Oil Conservation  
Commission, Santa Fe

as

RECEIVED

MAY 28 1980

Oil Conservation

Archaeological Clearance Report  
for  
BASS ENTERPRISES PRODUCTION COMPANY  
James Ranch Unit Well No. 11

Prepared

By

Charles A. Aylward  
Research Associate

Submitted

By

Dr. J. Loring Haskell  
Principal Investigator  
New Mexico Archaeological Services, Inc.  
Carlsbad, New Mexico

26 May 1980

Permit No. 79-NM-166

## Abstract

New Mexico Archaeological Services, Inc., representing BASS ENTERPRISES PRODUCTION COMPANY, undertook an archaeological reconnaissance of Bureau of Land Management Lands scheduled to be impacted by the construction of a drill location. The investigated area is situated in Section 21, T22S, R30E, NMPM, Eddy County, New Mexico. Cultural properties consisted of one archaeological site, viz., NMAS 5054.

## Introduction

On 25 March 1980, New Mexico Archaeological Services, Inc., (NMAS), Carlsbad,, undertook for BASS ENTERPRISES PRODUCTION COMPANY, Midland, an archaeological reconnaissance of federal lands administered by the Bureau of Land Management in Eddy County, New Mexico. Reconnoitered areas will be impacted by the construction of a drill location and an associated access road. This project was advanced by Mr. Mike Waygood, Engineering Assistant, BASS ENTERPRISES PRODUCTION COMPANY, and administered by Dr. J. Loring Haskell, Principal Investigator, NMAS, Inc. This reconnaissance was undertaken by Mr. Charles A. Aylward, Research Associate, NMAS.

## Survey Technique

For this investigation, BASS ENTERPRISES PRODUCTION COMPANY's proposed location was reconnoitered for evidence of man's past activities by walking it in a series of 20 ft wide, close interval (15° or less), zigzag transects. In addition, an added zone embracing to 20 ft on each side of the staked 400 X 400 ft location, and hence lying outside the bounds of the proposed work area, was reconnoitered by a similar means as was the access road. Methodologically, this procedure served to promote optimal conditions for the visual examination of areas to be impacted by construction-related activities.

James Ranch Unit Well No. 11

## Location

The proposed location will measure 400 X 400 ft on federal lands and will be situated 1650 ft from the north line and 1980 ft

from the east line of:

Section 21, T22S, R30E, NMPM, Eddy County, NM

Thus it will be situated in the:

SW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 21, T22S, R30E, NMPM, Eddy County, NM

The associated access road will measure 20 X 7200 ft and will be situated in the:

SE $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 28, T22S, R30E, NMPM, Eddy County, NM

NE $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 28, T22S, R30E, NMPM, Eddy County, NM

SE $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 21, T22S, R30E, NMPM, Eddy County, NM

NE $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 21, T22S, R30E, NMPM, Eddy County, NM

SE $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 21, T22S, R30E, NMPM, Eddy County, NM

SW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 21, T22S, R30E, NMPM, Eddy County, NM

Map Reference: USGS NASH DRAW QUADRANGLE, 15 Minute Series, 1939.

### Terrain

The proposed location rests on alluvial deposits at the base of Livingston Ridge. South of this feature, the contemporary surface is overlain with deep aeolian deposits eroded into major dunes and associated deflation basins. Alluvial deposits along the ridge contain frequent angular caliche fragments and cobbles. Varying with the terrain, local soils range from non-calcareous sandy loams to calcareous claysand gravelly loams. Peds are intergrades of the Typic Torripsamment subgroup in the aeolian deposits and Typic Paleorthid subgroup along the ridge.

### Floristics

Soils of this landform support a varying and mixed overstory of *Prosopis juliflora*, *Quercus havardii*, *Yucca glauca*, *Larrea tridentata*, *Rhus microphylla* and *Condalia ericoides*. In the understory are the forbs: *Ephedra* sp., *Lepidium* sp., *Croton* spp., *Gutierrezia sarothrae*, *Monarda punctata*, *Eriogonum annuum*, *Helianthus*

sp., *Mentzelia* sp., *Solanum* sp., and *Dithyrea* sp. A wide variety of grasses is represented locally, viz., *Tridens pulchellus*, *Cenchrus incertus*, *Setaria macrostachya*, *Sporobolus* sp., *Aristida* sp., *Bouteloua eriopoda*, *Chloris cuculatta* and *Muhlenbergia* sp.

### Cultural Resources

During the course of this reconnaissance, one archaeological site, NMAS 5054, was recorded.

NMAS 5054

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 21, T22S, R30E, NMPM, Eddy County, NM UTM; Zone 13, N3,582,800; E605,100

Map Reference: USGS NASH DRAW QUADRANGLE, 15 Minute Series, 1965.

Ownership: Bureau of Land Management Administration

Dimension of Resources: 17 X 162m

Typological Designation: Special Activities Zone

Temporality: Jornada Mogollon (A.D. 950-1350)

Narrative Description of Site:

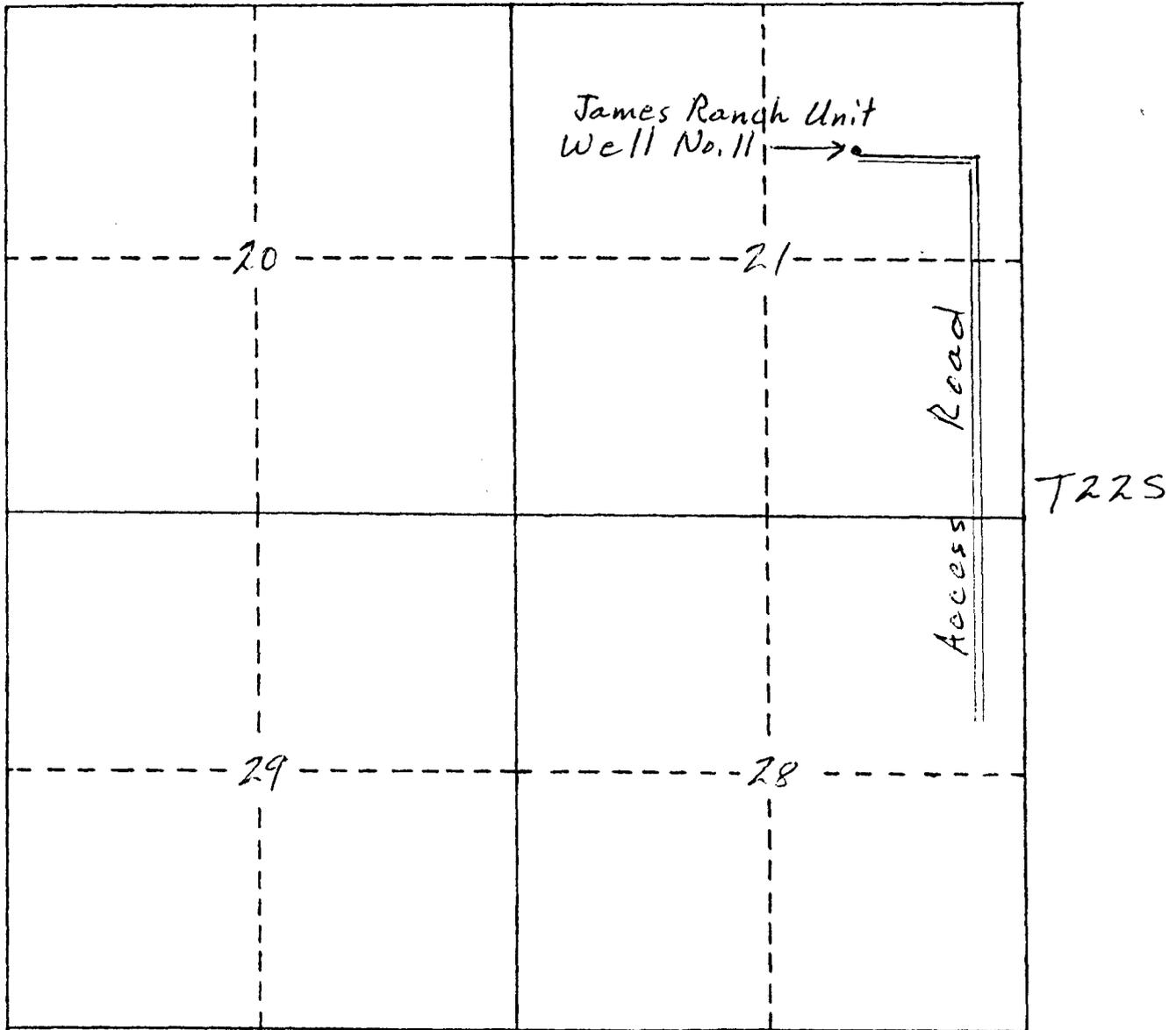
During the course of this reconnaissance, a concentration of cultural resources was observed, viz: NMAS 5054. Cultural properties are scattered in a linear fashion paralleling, and a few feet below, the crest of Livingston Ridge. Concentrations occur on small ledges and prominences coextensive with this latter feature. Owing to the physiographic setting, associated cultural resources have been subject to persistent, long-term erosion and many artifacts have been transported to the alluvium at the foot of Livingston Ridge. Cultural properties include numerous caliche cobbles, probable hearths, ground stone fragments, primary and secondary decortication

flakes, and hammerstones. One Jornada Brown ceramic sherd was noted. Owing to the diverse nature of associated cultural properties, this site represents a special activities zone.

#### Recommendations

NMAS recommends clearance for BASS ENTERPRISES PRODUCTION COMPANY's proposed James Ranch Unit Well No. 11 provided it is moved 200 ft north (1450 ft from the north line) and 150 ft east (1830 ft from the east line) of Section 21, T22S, R30E. This action will ensure the integrity of cultural properties along and at the base of Livingston Ridge. Clearance, of course, is granted by the Bureau of Land Management.

R30E



Schematic Drawing of proposed Access Road to James Ranch Unit Well No. 11.



MINERAL CHEMICAL CORP.

Crawford Ranch

AR 227

AR 260

AR 225

Wash Draw

Musk Wall

Wash Draw

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

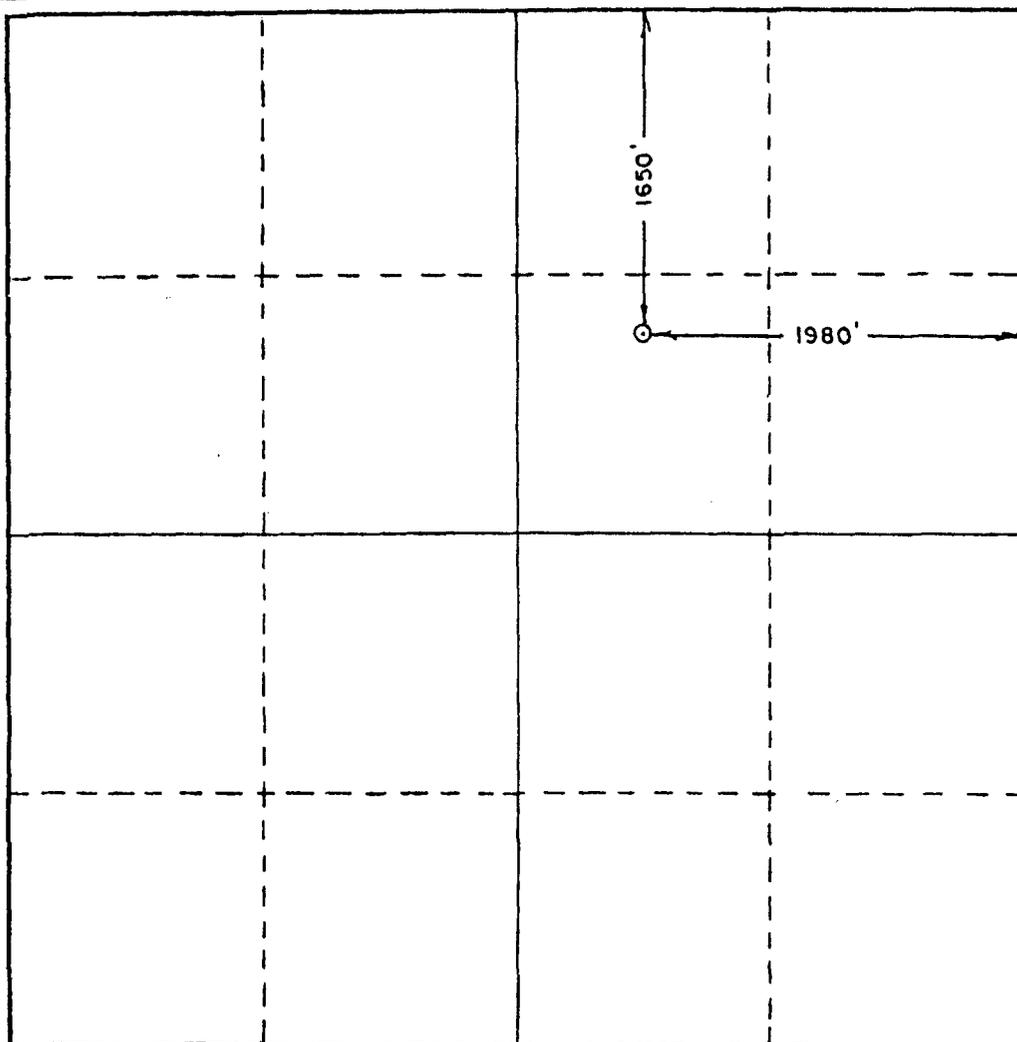
Operator <b>Parry R. Bass</b>		Lease <b>James Ranch Unit</b>			Well No. <b>11</b>
Unit Letter <b>G</b>	Section <b>21</b>	Township <b>22 South</b>	Range <b>30 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>1650</b> feet from the <b>North</b> line and <b>1980</b> feet from the <b>East</b> line					
Ground Level Elev. <b>3159.4</b>	Producing Formation	Pool		Dedicated Acreage:  Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 \_\_\_\_\_

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 Commission.



CERTIFICATION

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

Name

Position

Company

Date

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

Date Surveyed

**Jan. 29, 1980**

Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No. **JOHN W. WEST 678**  
**PATRICK A. ROMERO 6888**  
**Ronald J. Eldson 3239**

0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1600 1400 1200 1000 800



NMAS

New Mexico Archaeological Services, Inc.

P. O. Box 1341

Carlsbad, New Mexico 88220

(505) 887-7646

23 April 1980

Reconnaissance  
Excavation  
Analysis  
Explanation  
Coriation

Mr. Mike Waygood  
Engineering Assistant  
BASS ENTERPRISES PRODUCTION COMPANY  
P.O. Box 2760  
Midland, Texas 79701

Dear Mr. Waygood:

Enclosed please find NMAS' Archaeological Clearance Report for BASS ENTERPRISES PRODUCTION COMPANY's proposed James Ranch Well No. 12, its associated access road, and the quarry in Section 28, T22S, R30E, NMPM, Eddy County, New Mexico. A light scatter of cultural resources was recorded near the access road during this reconnaissance; it can be attributed to en passant activities. NMAS is suggesting clearance for this project.

If you have any questions pertaining to this report, please call my office. Thank you for asking NMAS to do this reconnaissance.

Yours sincerely,

Dr. J. Loring Haskell  
Principal Investigator

Enclosure

cc: Mr. Thomas Zale, BLM, Carlsbad  
Ms. Ann Ramage, BLM, Roswell  
Mr. George Stewart, USGS, Artesia  
Mr. Curtis Schaafsma, Laboratory of Anthropology,  
Santa Fe  
Mr. Thomas W. Merlan, SHPO, Santa Fe

as

Archaeological Clearance Report  
for  
BASS ENTERPRISES PRODUCTION COMPANY

James Ranch Well No. 12  
Quarry, Section 28, T22S, R30E,  
NMPM, Eddy County, New Mexico

Prepared

By

Charles A. Aylward  
Research Associate

Submitted

By

Dr. J. Loring Haskell  
Principal Investigator  
New Mexico Archaeological Services, Inc.  
Carlsbad, New Mexico

23 April 1980

Permit No. 79-NM-166

## Introduction

On 22 April 1980, New Mexico Archaeological Services, Inc., (NMAS), Carlsbad, undertook for BASS ENTERPRISES PRODUCTION COMPANY, Midland, an archaeological reconnaissance of federal lands administered by the Bureau of Land Management in Eddy County, New Mexico. Reconnoitered areas will be impacted by the construction of a drill location, its associated access road, and expansion of a quarry. This project was advanced by Mr. Mik Waygood, Engineering Assistant, BASS ENTERPRISES PRODUCTION COMPANY, and administered by Dr. J. Loring Haskell, Principal Investigator, NMAS, Inc. This reconnaissance was undertaken by Mr. Charles A. Aylward, Research Associate, NMAS.

## Survey Technique

For this investigation, BASS ENTERPRISES' proposed location was reconnoitered for evidence of man's past activities by walking it in a series of 20 ft wide, close interval (15° or less), zigzag transects. In addition an added zone embracing to 20 ft on each side of the staked 400 X 400 ft locations, and hence lying outside the bounds of the proposed work area, was reconnoitered by a similar means as was the access road and the quarry. Methodologically, this procedure served to promote optimal conditions for the visual examination of areas to be impacted by construction-related activities.

James Ranch Well No. 12

## Location

The proposed location will measure 400 X 400 ft on federal

lands and will be situated 1450 ft from the north line and 1830 ft from the east line of:

Section 21, T22S, R30E, NMPM, Eddy County, NM

Thus it will be situated in the:

SW $\frac{1}{2}$ NE $\frac{1}{4}$ , Section 21, T22S, R30E, NMPM, Eddy County, NM

The associated access road will measure 20 X 5500 ft and will be situated in the:

SW $\frac{1}{2}$ NE $\frac{1}{4}$ , Section 21, T22S, R30E, NMPM, Eddy County, NM  
 NW $\frac{1}{2}$ NE $\frac{1}{4}$ , Section 21, T22S, R30E, NMPM, Eddy County, NM  
 NE $\frac{1}{2}$ NE $\frac{1}{4}$ , Section 21, T22S, R30E, NMPM, Eddy County, NM  
 SE $\frac{1}{2}$ SE $\frac{1}{4}$ , Section 16, T22S, R30E, NMPM, Eddy County, NM  
 SW $\frac{1}{2}$ SW $\frac{1}{4}$ , Section 15, T22S, R30E, NMPM, Eddy County, NM  
 NW $\frac{1}{2}$ SW $\frac{1}{4}$ , Section 15, T22S, R30E, NMPM, Eddy County, NM  
 NE $\frac{1}{2}$ SW $\frac{1}{4}$ , Section 15, T22S, R30E, NMPM, Eddy County, NM

Map Reference: USGS NASH DRAW QUADRANGLE, 15 Minute Series, 1939.

### Terrain

The investigated area is situated on an undulating feature coextensive with Nash Draw and lying near the foot of Livingston Ridge. Local topography features caliche-capped ridges, duned crests, alluvial fans and aeolian deposits. The contemporary surface of Nash Draw is varied, containing stabilized dunes, occasional hummocks and gypsiferous outcroppings. Along the access road, the surface is crosscut by abrupt, vertical gullies to as much as 3.5 m in depth. Soils range from calcareous clay loams to non-calcareous sandy loams frequently containing angular caliche fragments.

### Floristics

The local floral overstory is dominated by *Larrea tridentata* and *Prosopis juliflora* with *Atriplex canescens*, *Yucca glauca*, and *Condalia ericoides* intermixed. Observed forbs are: *Solanum*

*sp.*, *Lepidium sp.*, *Gutierrezia sarothrae*, *Sartwellia sp.*, *Coldenia canescens*, *Croton sp.*, *Mentzelia sp.*, and *Dalea formosa*. Among the grasses are: *Hilaria mutica*, *Sporobolus sp.*, *Tridens pulchellus*, *Aristida sp.*, and *Bouteloua sp.*

### Cultural Resources

During the course of this reconnaissance, a light scatter of cultural resources was observed. Located in a slightly duned area, these resources are situated about 1000 ft northeast of the staked location and 20 ft northwest of the road's center line. Observed cultural properties include one Jornada Brown ceramic sherd, one ground stone fragment, and seven scattered burned- and fire-cracked caliche cobbles. Owing to the paucity of these remains, they are attributed to en passant activities.

Location: SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 21, T22S, R30E, NMPM, Eddy County, NM

UTM: Zone 13, N3,583,230; E605,050

Map Reference: USGS NASH DRAW QUADRANGLE, 15 Minute Series, 1939.

### Recommendations

NMAS recommends clearance for BASS ENTERPRISES' proposed James Ranch Well No. 12 and its access road and suggests that work-related activities proceed in accordance with company plans. Clearance, of course, is granted by the Bureau of Land Management.

Quarry, Section 28, T22S, R30E,  
Eddy County, New Mexico

### Location

The existing quarry is situated in the:

SW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 28, T22S, R30E, NMPM, Eddy County, NM

Map Reference: USGS NASH DRAW QUADRANGLE, 15 Minute Series, 1939.

### Terrain

The investigated quarry, situated within the Livingston Ridge system, overlooks Nash Draw on the west and Los Medanos on the south. Areal soil individuals belong to the Typic Paleorthid and Typic Torripsamment subgroups.

### Floristics

Local soils support an overstory of *Prosopis juliflora*, *Larrea tridentata*, *Condalia ericoides*, and *Yucca glauca*. Frequent forbs include: *Zinnia acerosa*, *Mentzelia* sp., *Croton* sp., *Gutierrezia sarothrae*, *Lepidium* sp., and *Psilostrophe* sp. Commonly encountered grasses include: *Tridens pulchellus*, *Aristida* sp., and *Bouteloua* sp.

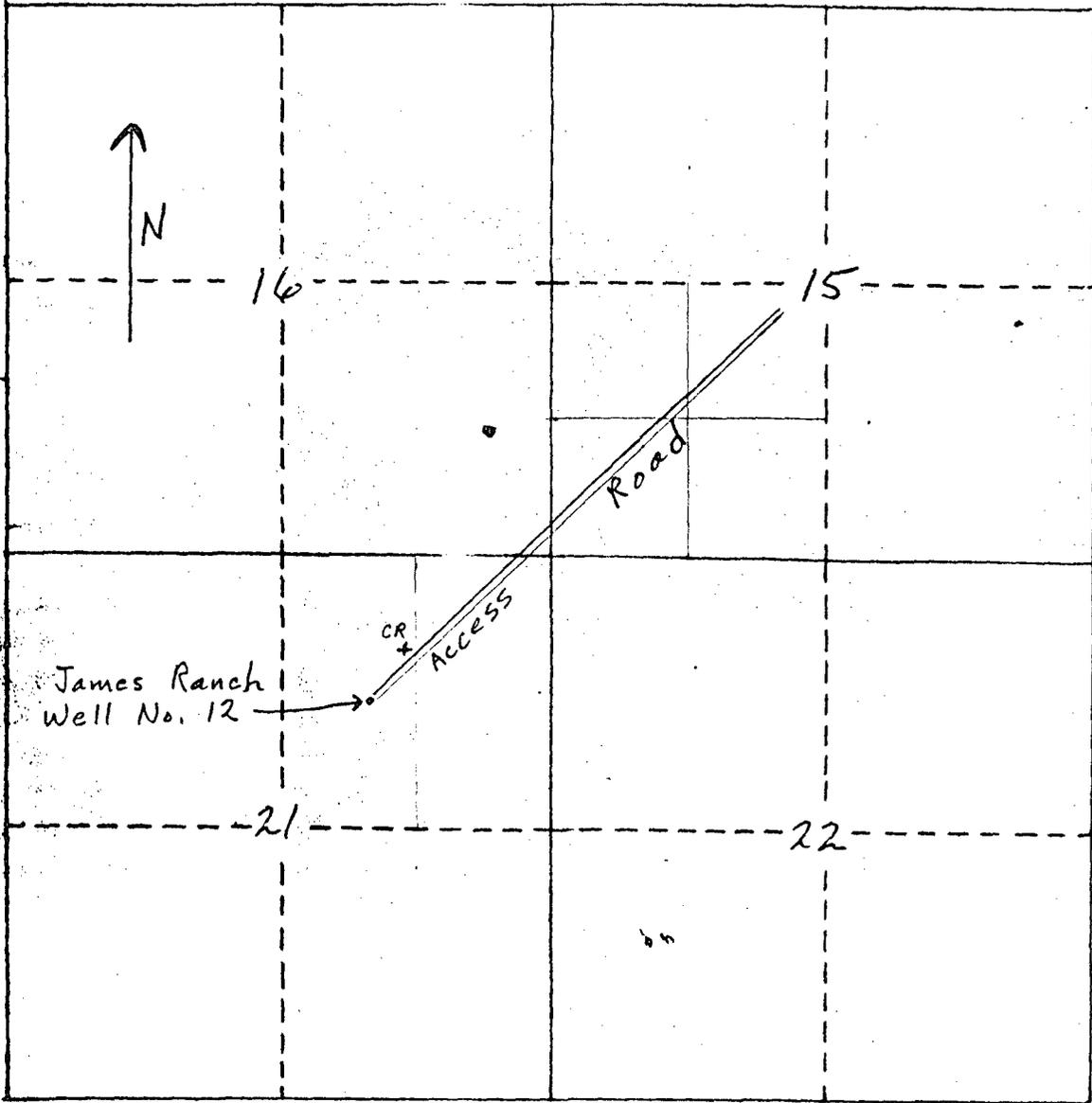
### Cultural Resources

No cultural resources were recorded during this reconnaissance. In the past, this general area was utilized intensively by man during Jornada Mogollon times (A.D. 950-1350). Resources, frequently occurring near the rim of areal escarpments, include often substantial amounts of lithic and ceramic detritus associated with fire hearths, midden deposits, and possible dwellings.

### Recommendations

NMAS recommends clearance for the proposed expansion of the quarry and suggests that BASS ENTERPRISES PRODUCTION COMPANY proceed with its existing plans. Clearance, of course, is granted by the Bureau of Land Management.

R30E.



James Ranch  
Well No. 12

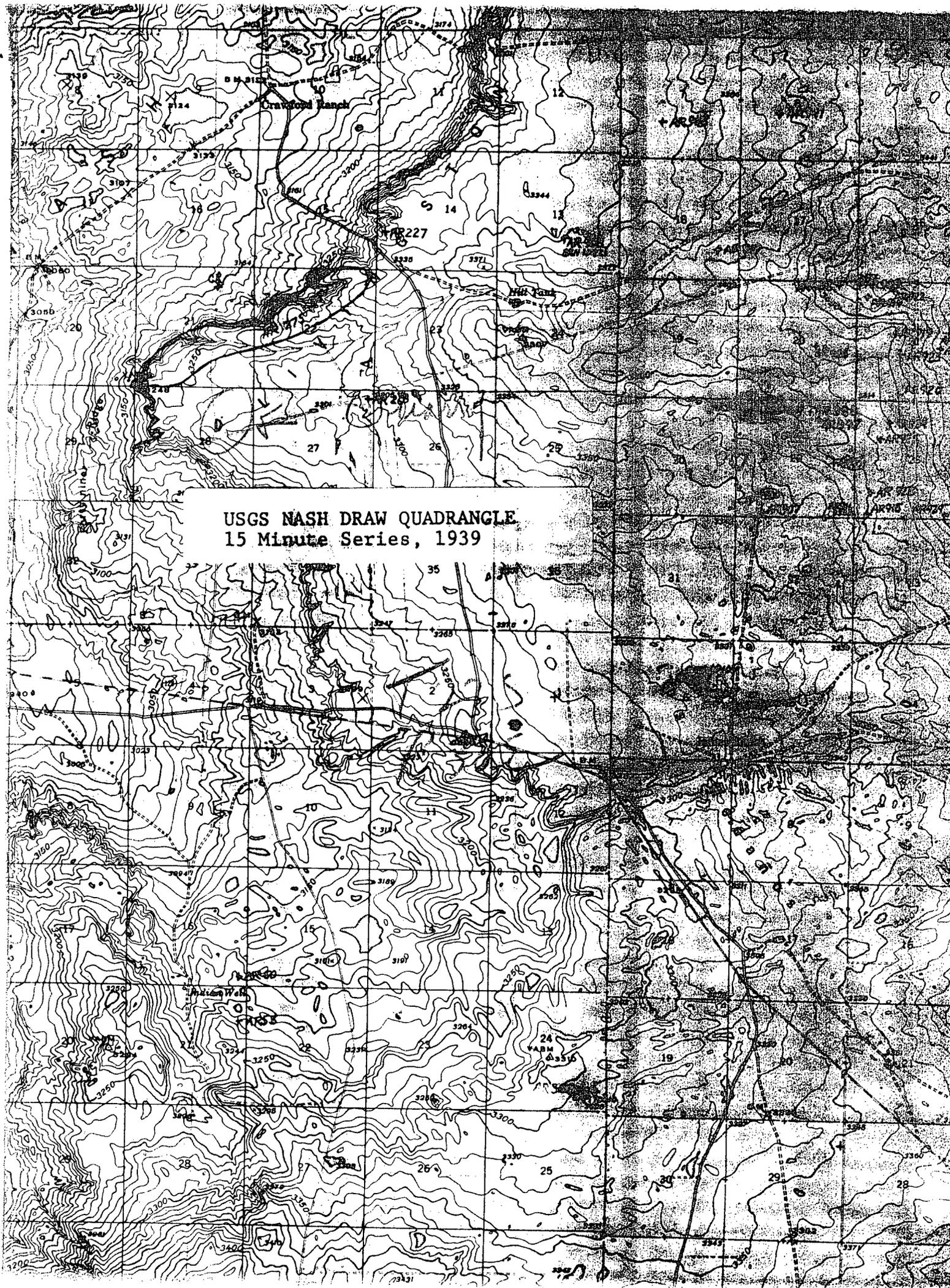
CP

ACCESS

Road

T225

USGS NASH DRAW QUADRANGLE  
15 Minute Series, 1939





STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

April 22, 1980

BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

Bass Enterprises Production Co.  
Fort Worth National Bank Building  
Fort Worth, Texas 76102

Re: Application for Non-Standard  
Location: Amendment NSL-1172  
James Ranch Unit Well No. 12  
Eddy County, New Mexico

We may not process the subject application for non-standard location until the required information or plats checked below (is) (are) submitted.

- A plat must be submitted clearly showing the ownership of the offsetting leases.
- A statement must be submitted that offset owners have been notified of the application by certified mail.
- A plat must be submitted fully identifying the topography necessitating the non-standard location. A copy of the archeologist report would suffice.
- Other:

Very truly yours

R. L. STAMETS  
Technical Support Chief

RLS/dr



STATE OF NEW MEXICO  
 ENERGY AND MINERALS DEPARTMENT  
 OIL CONSERVATION DIVISION

April 14, 1980

BRUCE KING  
 GOVERNOR  
 LARRY KEHOE  
 SECRETARY

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R. L. STAMETS  
 Technical Support Chief

RLS/dr

*Please  
 send another  
 letter with the  
 added sentence  
 underlined*