

ROY L. MCKAY, PRESIDENT

MAILING ADDRESS: P.O. BOX 2014 ROSWELL, N.M. 88202 • TELEPHONE 505 / 623 - 4735

STREET ADDRESS: ONE MCKAY PLACE ROSWELL, N.M. 88201 • FAX NO. 505 / 624 - 2202

OIL  
&  
GAS

NOV - 8 2000

November 6, 2000

Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

ATTENTION: Mr. Michael E. Stogner

REFERENCE: Five Mile Tank "B" Federal #5  
Snakeweed "B" Federal #4  
Chaves County, New Mexico

(see 12547)

Gentlemen:

McKay Oil Corporation requests to be placed on the hearing docket for the Division's December 5, 2000.

The referenced wells are Non-Standard Locations. Justification for each locations is as follows:

1. Five Mile Tank "B" Federal #5 is located on the western edge of a draw and water drainage system for a large portion of the area north and west of the drilling and production location (See attached Topographic Plat). The Non-Standard Location causes the least infringement on the draw and minimizes the amount of erosion around and through the production location.
2. Snakeweed "B" Federal #4 has 2 constraints requiring the location be placed where it has been surveyed. The first constraint is an existing pipeline immediately adjacent to the drilling location (See attached Topographic Plat). The second constraint are 2 different archeological finds immediately west of the location (See attached Archeological Report). These finds are considered significant by the Bureau of Land Management which restricts McKay Oil's ability to move the location to a standard location.

Also enclosed is the notice to be placed on the newspaper giving public notice of McKay Oil's Non-Standard Locations and our application for a hearing before the Division. We have Oil

Conservation Division

November 6, 2000

page 2 of 2

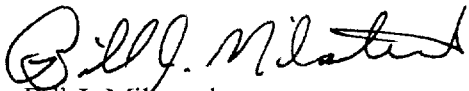
contacted the offset Leasehold Owner, Pecos Slope Partners, L.L.C., Midland, Texas. It is our understanding they have forwarded a letter to the Division stating that they do not contest the location for either of the NSLs.

If any questions or additional information is required, please feel free to contact the undersigned at (505) 623-4735.

Thank you for your immediate attention to this matter.

Very truly yours,

MCKAY OIL CORPORATION

A handwritten signature in black ink, appearing to read "Bill J. Minstead", written over the printed name.

Bill J. Minstead

Vice President - Land and Legal

enclosures

Notice is hereby given that McKay Oil Corporation has applied to the Oil Conservation Division for approval of 2 non-standard locations in Chaves County, New Mexico described as follows:

FIVE MILE TANK "B" FEDERAL #5, located 1760' FSL and 588' FWL, Section 17, T6S, R23E,

and

SNAKEWEED "B" FEDERAL #4, located 880' FSL and 588' FEL, Section 18, T6S, R23E.

A hearing before the Oil Conservation Division is to be held on December 5, 2000, in Santa Fe, New Mexico.

Correspondence concerning to McKay Oil Corporation's applications should be forwarded to the Oil Conservation Division, 2040 South Pacheco Street, Santa Fe, New Mexico 87505.

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

## DISTRICTU

P.O. Box 1980, Hobbs, NM 88240

## DISTRICT II

P.O. Drawer DD, Alcala, NM 88210

DISTRICT III

1000 Rio Pecos Rd., Abec, NM 87410

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

|                                                                                                  |                     |                            |              |                          |
|--------------------------------------------------------------------------------------------------|---------------------|----------------------------|--------------|--------------------------|
| Operator<br>MCKAY OIL CORP.                                                                      |                     | Lease<br>SNAKEWEED FED "B" |              | Well No.<br>4            |
| Unit: Letter<br>P                                                                                | Section<br>18       | Township<br>6S             | Range<br>23E | County<br>CHAVES         |
| Actual Footage Location of Well:<br>880 feet from the SOUTH line and 588 feet from the EAST line |                     |                            |              |                          |
| Ground level Elev.<br>4126                                                                       | Producing Formation |                            | Pool         | Dedicated Acctg:<br>ASST |

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 interest 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 well be strung 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.

A 4x4 grid map showing a survey area. A point is marked in the bottom-right quadrant with the label "SNAKEWEED FED. \"B\"#4" and coordinates "588" and "880".

### OPERATOR CERTIFICATION

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

Signature Billy M. Lister

Printed Name Bill L. M. / 8 End

Position  
Vice President

Company  
MCKAY & CO. Carbondale

Date 3-3-07

### SURVEYOR CERTIFICATION

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

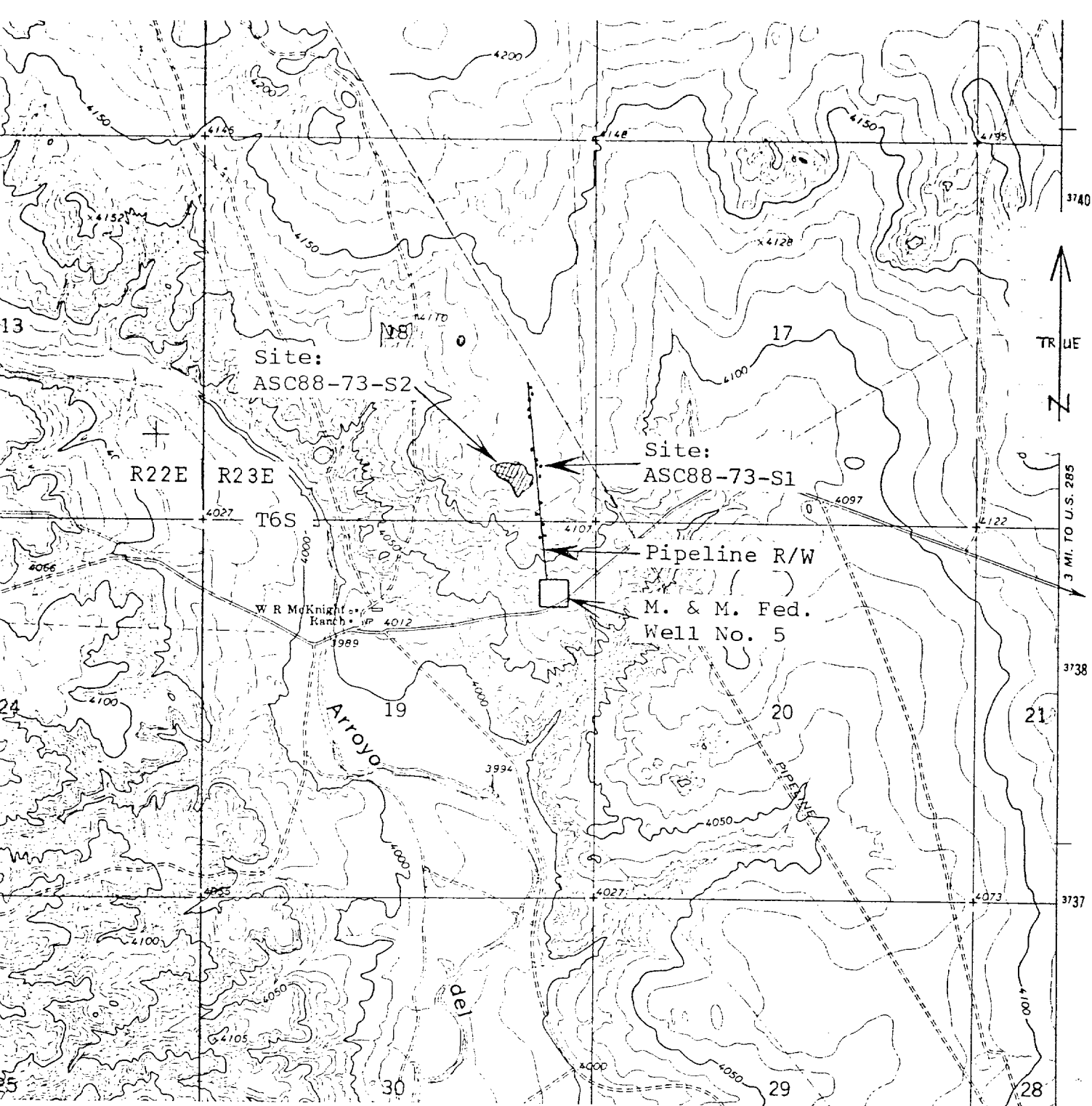
Date Submitted: 1/29/88

Signature of \_\_\_\_\_  
 Prof. \_\_\_\_\_

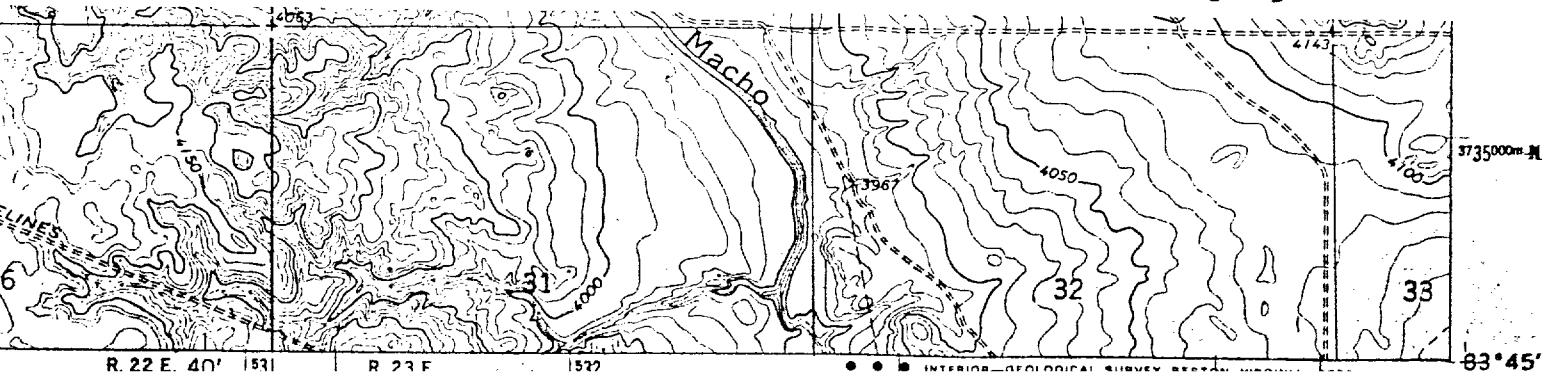


Certificate No.

LS 8504



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatched area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



UTM: Zone 12 E 532,440m. N 3,739,125m.Legal Desc.: 1 6 S R 23 E: Section 18; SW 1/4 NE 1/4 SE 1/4.County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4138 ft.Map Reference: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_

## Local Vegetation \_\_\_\_\_

grasses: grama, 3-awn, yucca, cholla, prickly pear.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. \_\_\_\_\_

- a) 1 Tan San Andres Chert prepared platform tertiary flake: 2.1 x 2.7 x 0.4 cms
- b) 1 " " " " interior " : 2.8 x 2.5 x 0.6 cms.
- c) 1 " " " " " " : 2.1 x 2.7 x 0.3 cms.
- d) 1 Grey " " " " " " (proximal): 2.5 x 3.0 x 0.4 c.

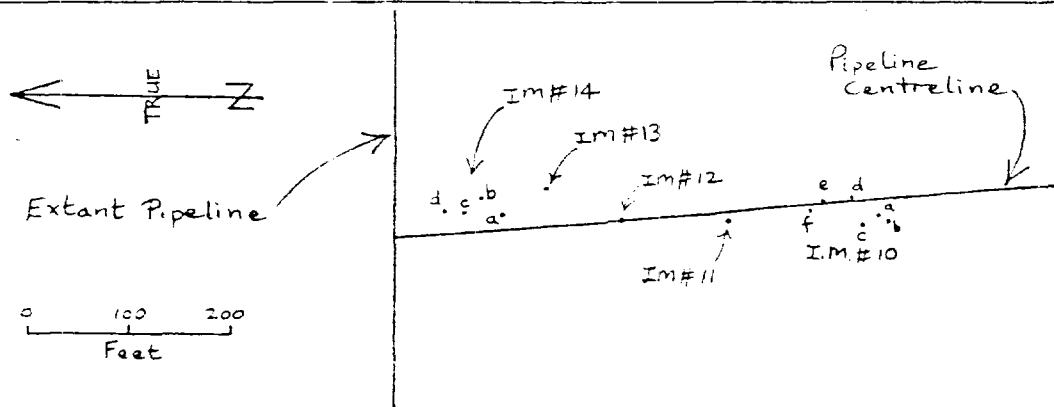
Ground Stone: \_\_\_\_\_

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

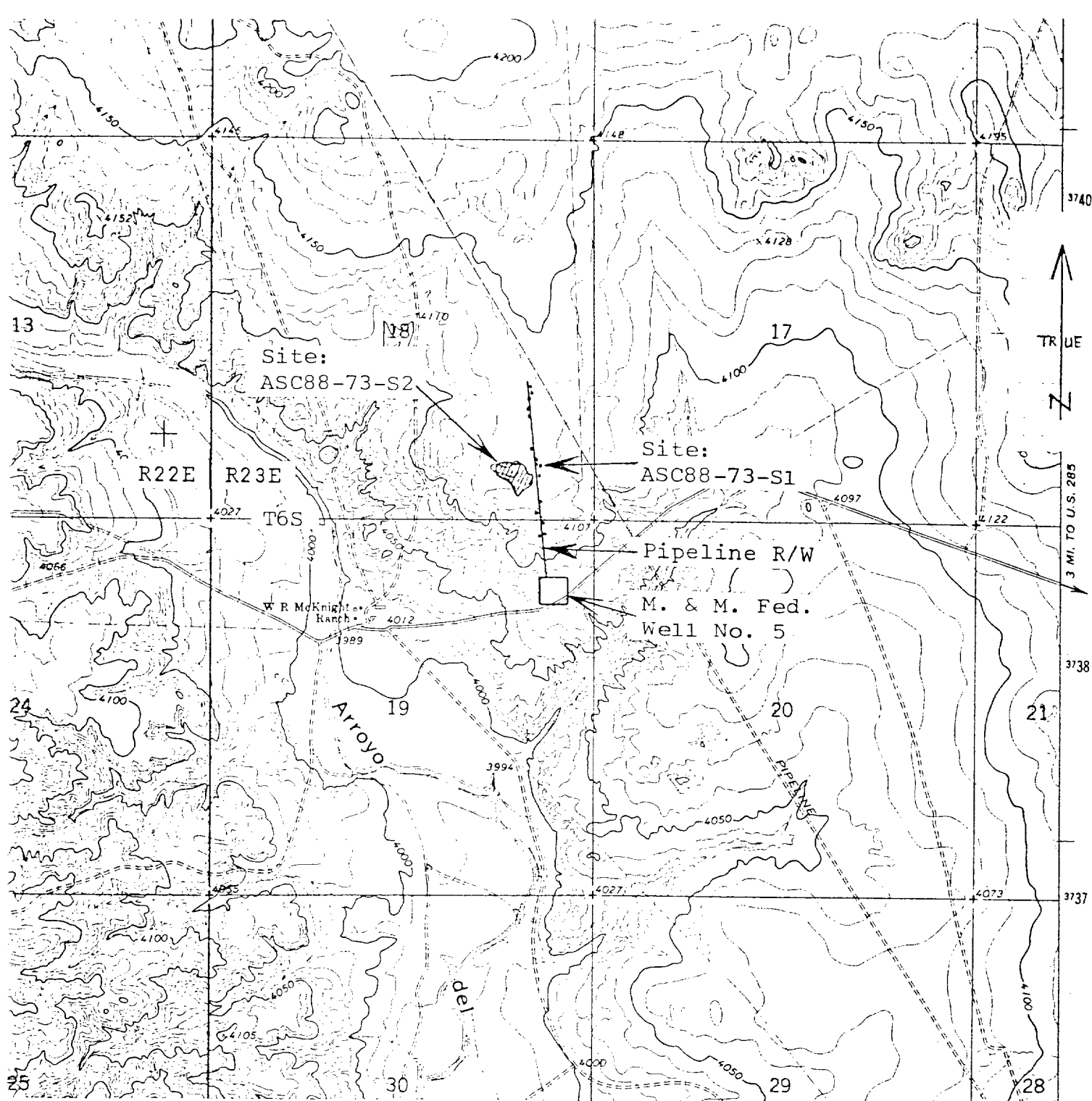
Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

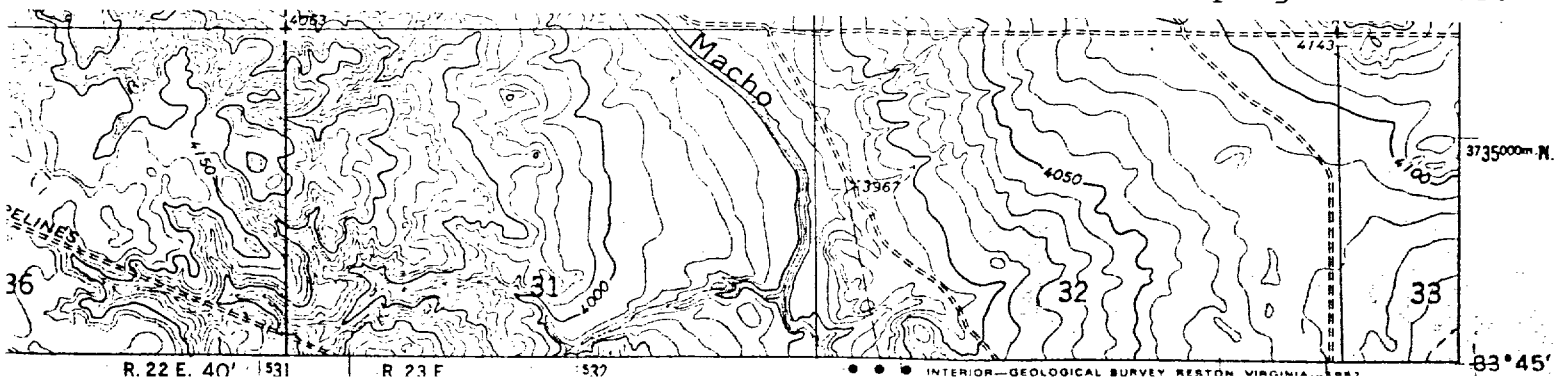
## Sketch

Cultural Affiliation UNKNOWN Best Date UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-73-IM# 13 Public. Date: 5/17/88 Institution ASDCAuthor & Title D.M. GRIFFITHS & J.V. SCISCENTI: "PIPELINE RW FOR THE M. & M. FEDER WELL No. 5 FOR MCKAY OIL CORPORATION"Field Recorder: D.M. GRIFFITHS Date: 5/06/88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatchured area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



## ISOLATED ARTIFACT FORM

ARCHAEOLOGICAL SURVEY CONSULTANTS NO. 1 88-73-IM.# 13UTM: Zone 13 E 532,445m N 3,739,095mLegal Desc.: 1 6 S R 23 E; Section 18, SW 1/4 NE 1/4 SE 1/4.County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4138 ft.Map Reference: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_

## Local Vegetation \_\_\_\_\_

grasses; grama, 3-awn. yucca, cholla, prickly pear.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 Black Orthoquartzite prepared platform primary flake: 3.2 x 4.0 x 1.0 cms.1 grey chert prepared platform interior flake (proximal end): 1.5 x 1.9 x 0.4 cm.

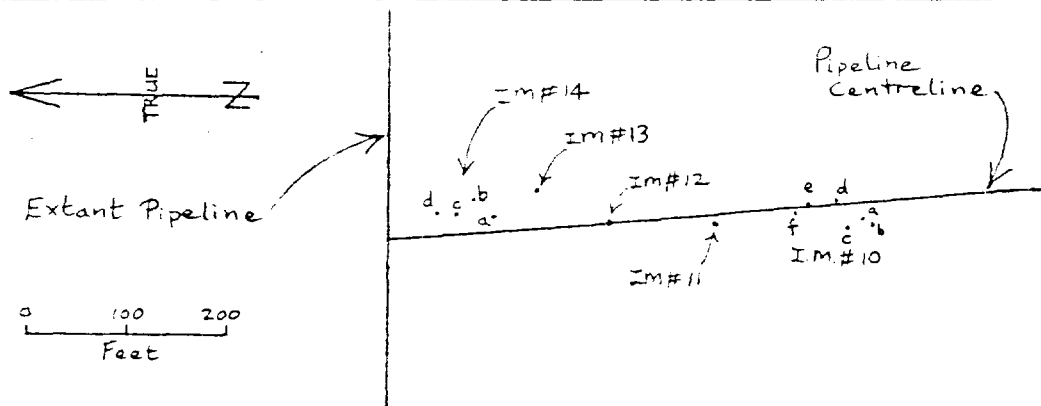
Ground Stone: \_\_\_\_\_

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

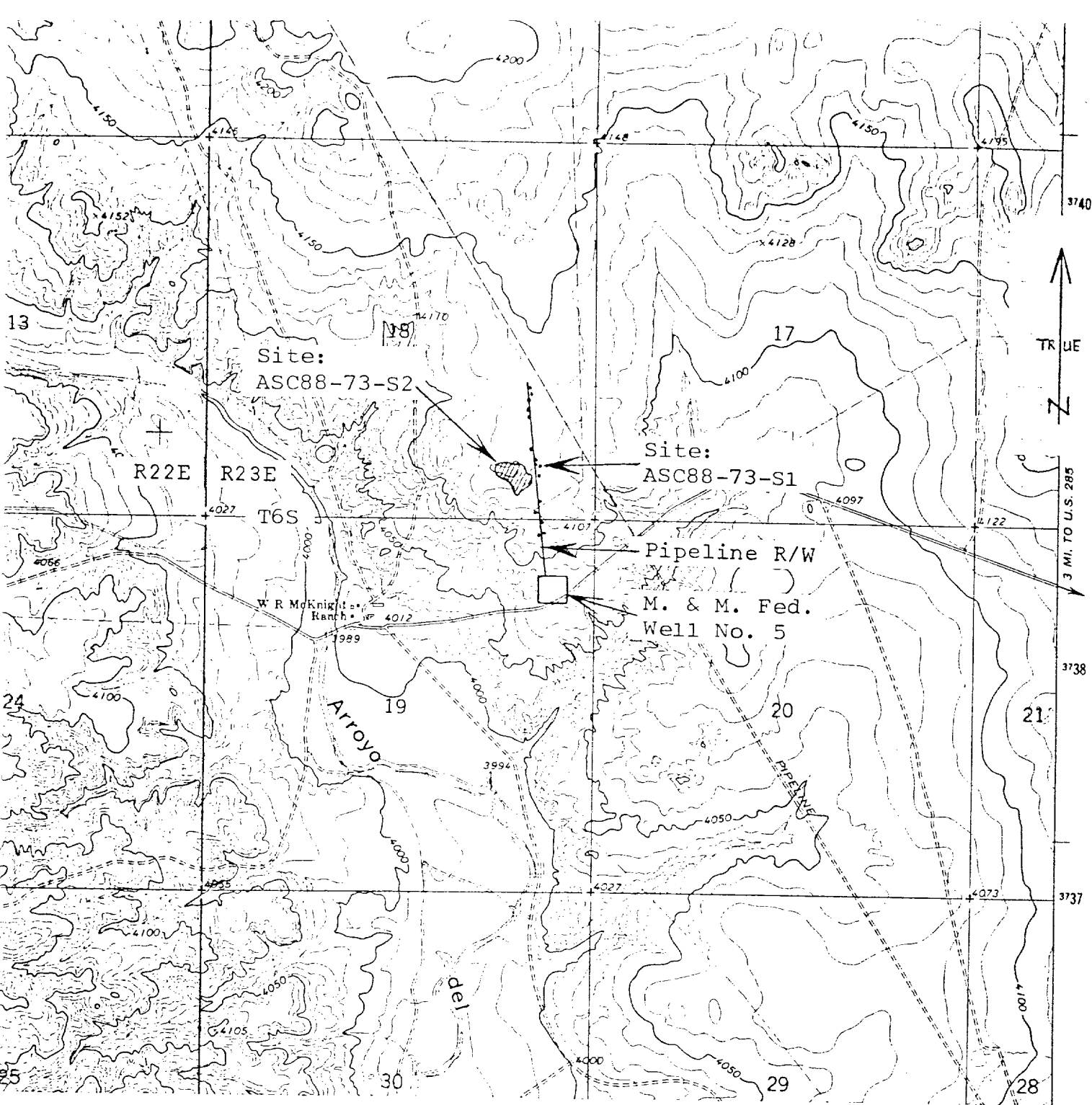
Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

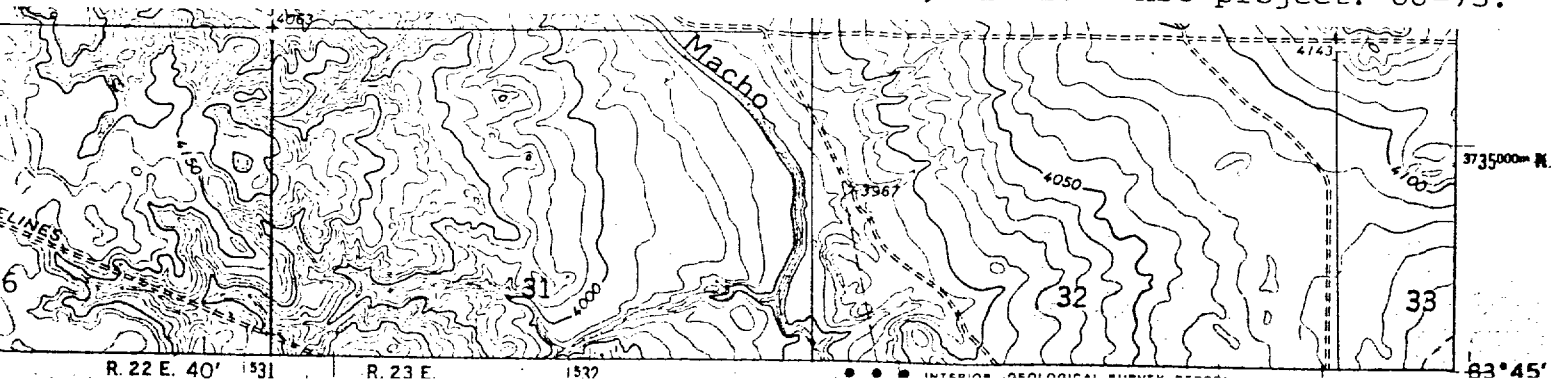
## Sketch

Cultural Affiliation UNKNOWN Best Date UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-73-IM #12 & 14 Public. Date: 5/17/88 Institution ARSCAuthor & Title D.M. GRIFFITHS & J.V. SCISCENTI: PIPELINE RW FOR THE M. & M. FEDER WELL No. 5 FOR MCKAY OIL CORPORATION.Field Recorder: D.M. GRIFFITHS Date: 5/06/88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatched area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



## ISOLATED ARTIFACT FORM

ARCHAEOLOGICAL SURVEY CONSULTANTS NO. 1 88-73-IM# 12

UTM: Zone 18 E 532,430m N 3,739,070m  
 Legal Desc.: 16 E R 23 E Section 18 SW 1/4 NE 1/4 SE 1/4.  
 County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4137 ft.  
 Map Reference: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_

## Local Vegetation

grasses: grama, 3-awn, yucca, cholla, prickly pear.

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.

purple quartzite prepared platform interior flake: 3.5x4.3x1.0 cms

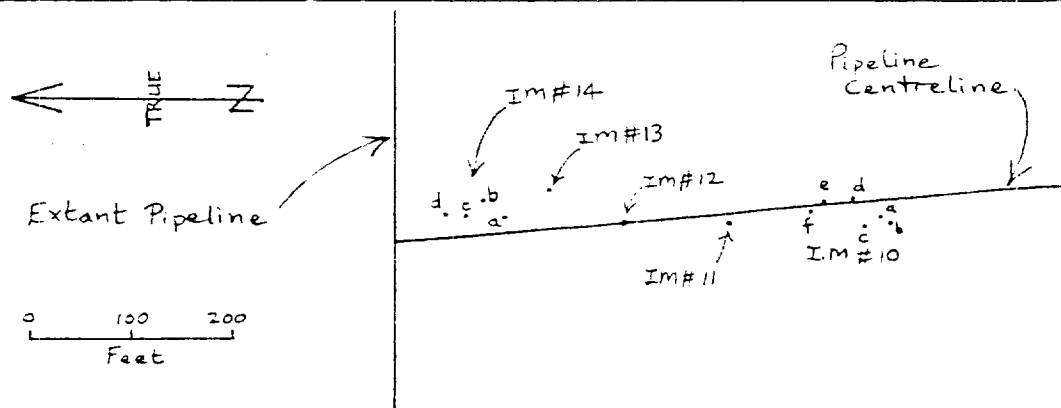
## Ground Stone: \_\_\_\_\_

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

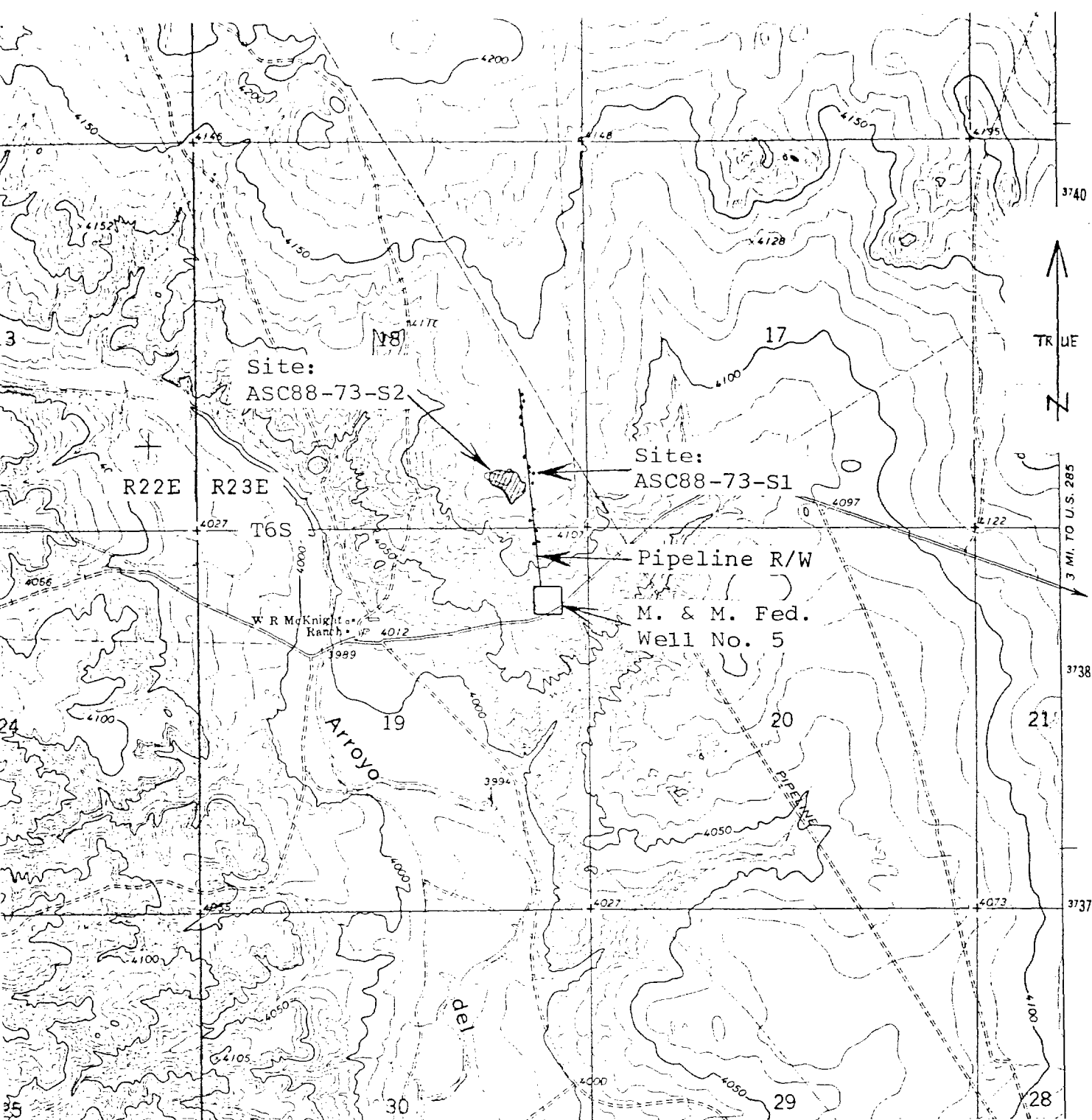
Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

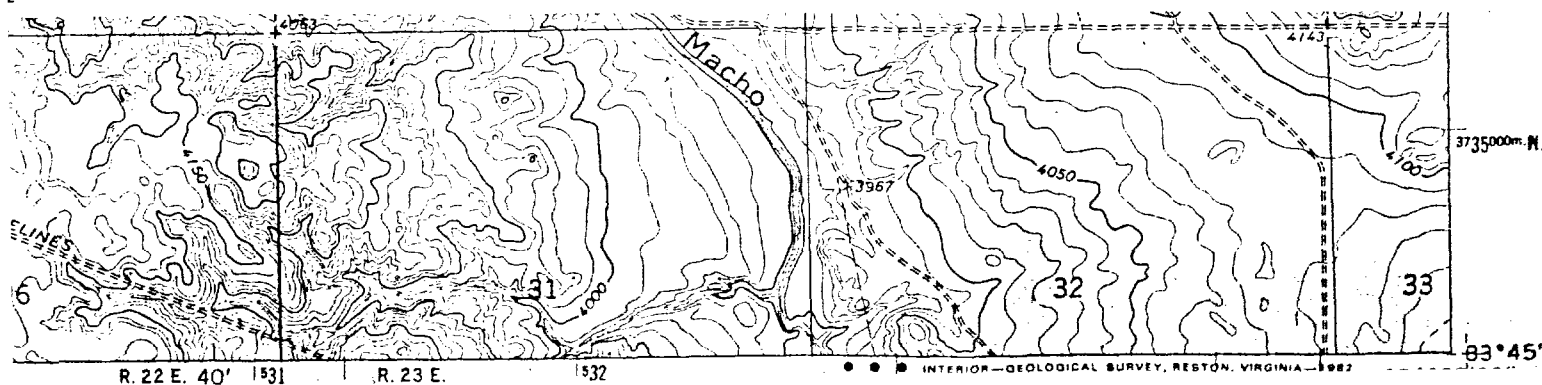
## Sketch

Cultural Affiliation UNKNOWN Best Date UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-73-IM# 11 & 13 Public. Date: 5/17/88 Institution ARSCAuthor & Title D.M. GRIFFITHS & J.V. SCISCENTI: "PIPELINE RW FOR THE M. & M. FEDER WELL No. 5 FOR MCKAY OIL CORPORATION"Field Recorder: D.M. GRIFFITHS Date: 5/06/88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatchured area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



## ISOLATED ARTIFACT FORM

ARCHAEOLOGICAL SURVEY CONSULTANTS NO.: 88-73-IM# 11

UTM: Zone 12 E 532,435 m. N 3,739,035 m.  
 Legal Desc.: 1 6 S R 23 E; Section 18; SW 1/4 NE 1/4 SE 1/4.  
 County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4136 ft.  
 Map References: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_

## Local Vegetation

grasses: grama, 3-awn, yucca, cholla, prickly pear.

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 Tan San Andres Chert prepared platform primary flake (proximal end):  
2.7 x 3.0 x 0.9 cms

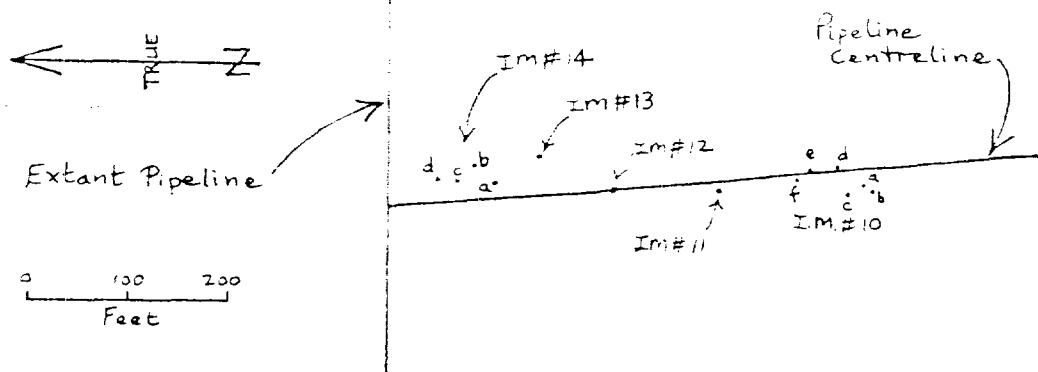
## Ground Stone: \_\_\_\_\_

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

Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

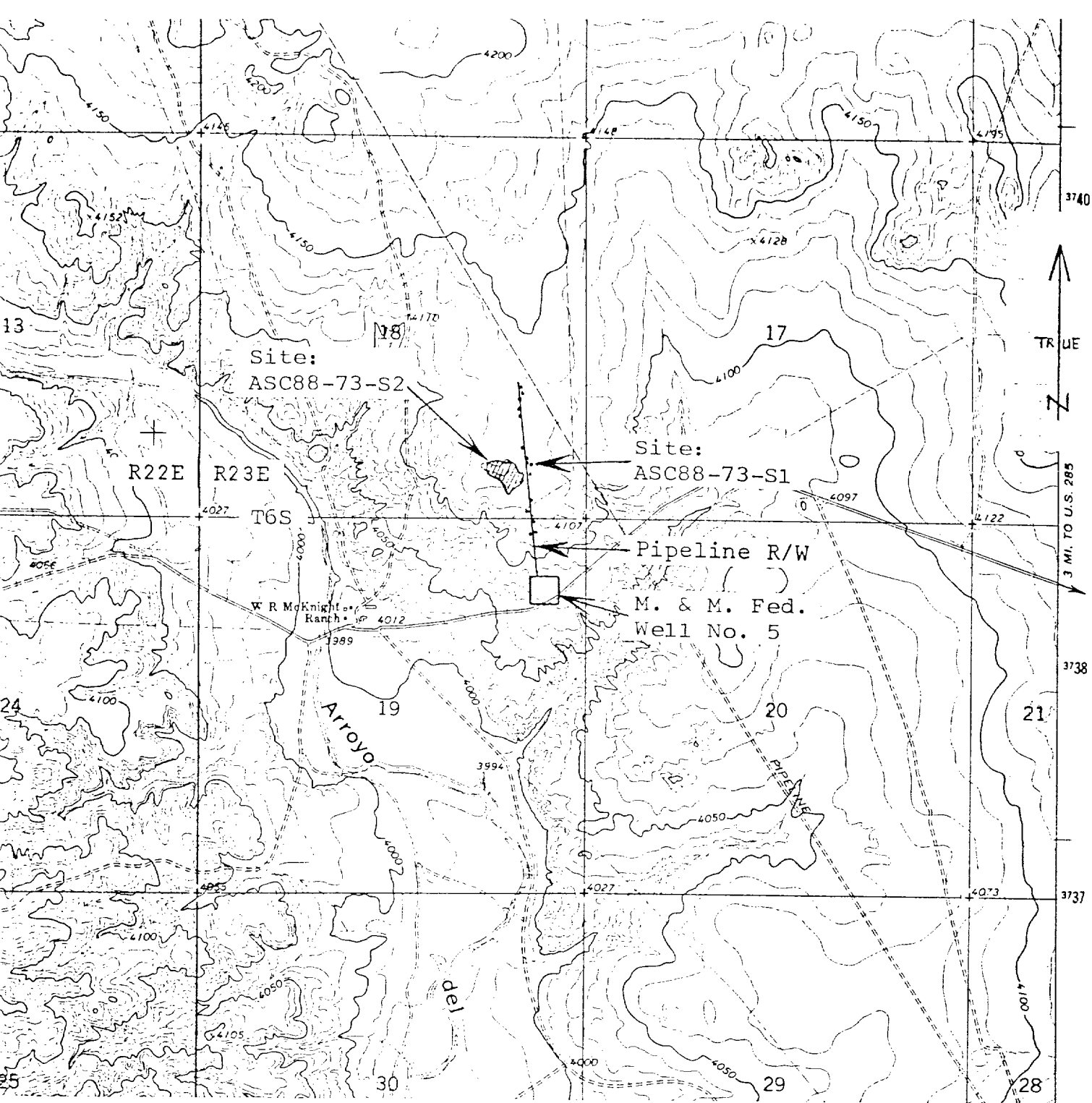
## Sketch

Cultural Affiliation UNKNOWN Best Date UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-73-IM# 10 & 12 Public. Date: 5/17/88 Institution ARSC

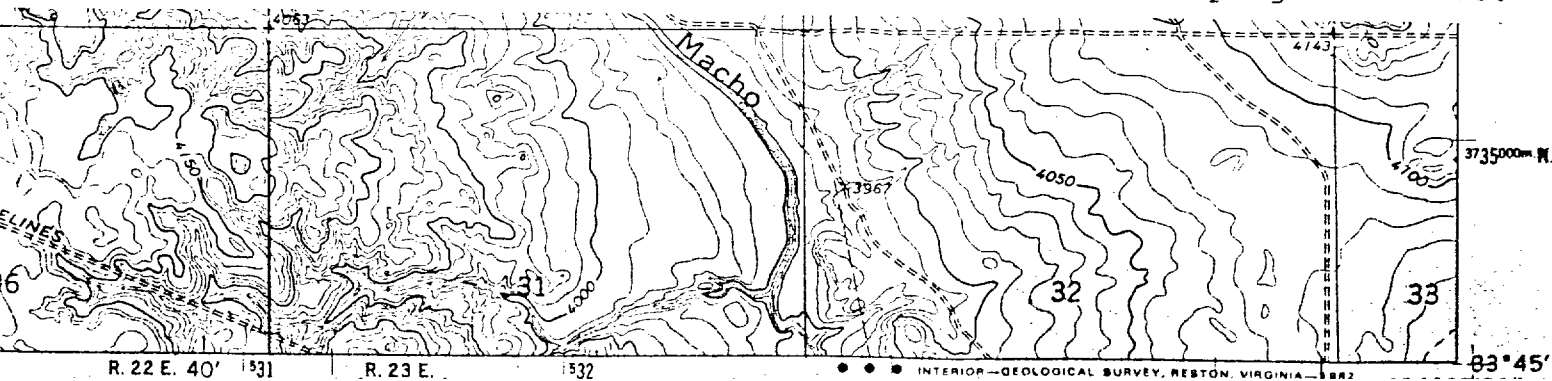
Author & Title D.M. GRIFFITHS & J.V. SUSCENI: "PIPELINE RW FOR THE M. & M. FEDER  
WELL No. 5 FOR MCKAY OIL CORPORATION."

Field Recorder: D.M. GRIFFITHS Date: 5/06/88

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 McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatchured area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



## ISOLATED ARTIFACT FORM

ARCHAEOLOGICAL SURVEY CONSULTANTS NO. 1 88-73-IM# 10UTM: Zone 12 E 532,435 m. N 3,739,000 m.Legal Desc.: 1 6 E R 23 E; Section 18, SW 1/4 NE 1/4 SE 1/4.County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4136 ft.Map Reference: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_

## Local Vegetation

grasses: grama, 3-awn, yucca, cholla, prickly pear.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. \_\_\_\_\_

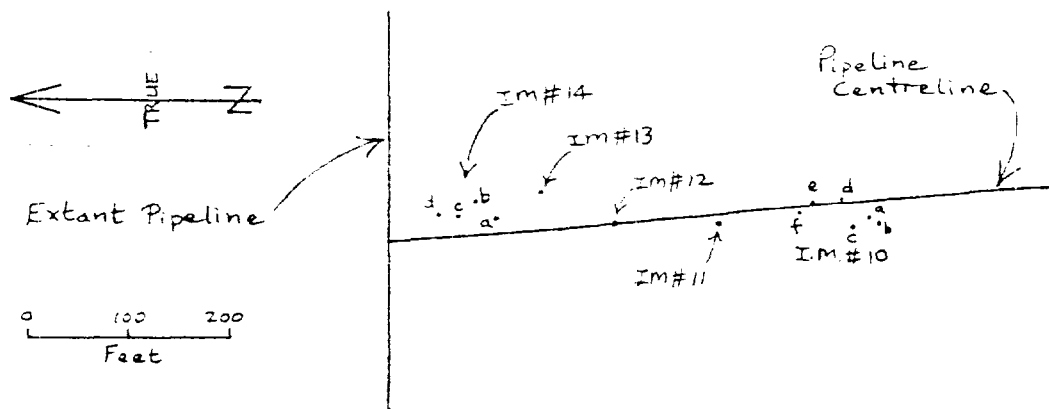
1 Red chert prepared platform secondary flake (proximal end):  $2.2 \times 2.0 \times 0.3$  cms1 Black Orthoquartzite " " " " :  $4.0 \times 6.0 \times 1.1$  cms1 " " " " " " :  $5.0 \times 6.0 \times 2.5$  cms1 Tan San Andres Chert prepared platform interior flake :  $3.2 \times 1.8 \times 0.7$  cms.1 Brown Orthoquartzite tertiary flake (distal end with retouch):  $4.0 \times 6.0 \times 1.1$  cms.1 Black Orthoquartzite prepared platform interior flake :  $5.4 \times 4.0 \times 0.8$  cms

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

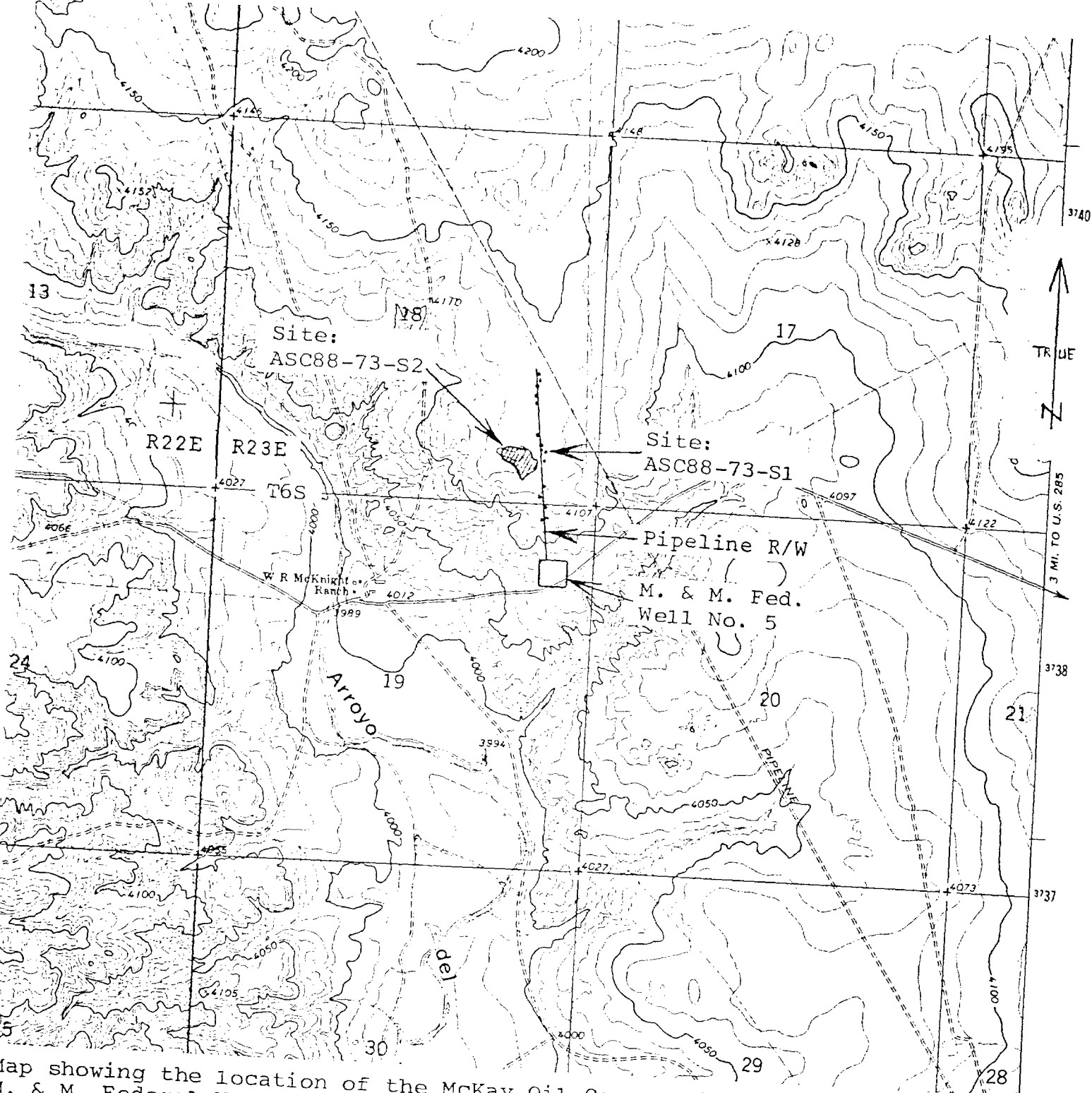
Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

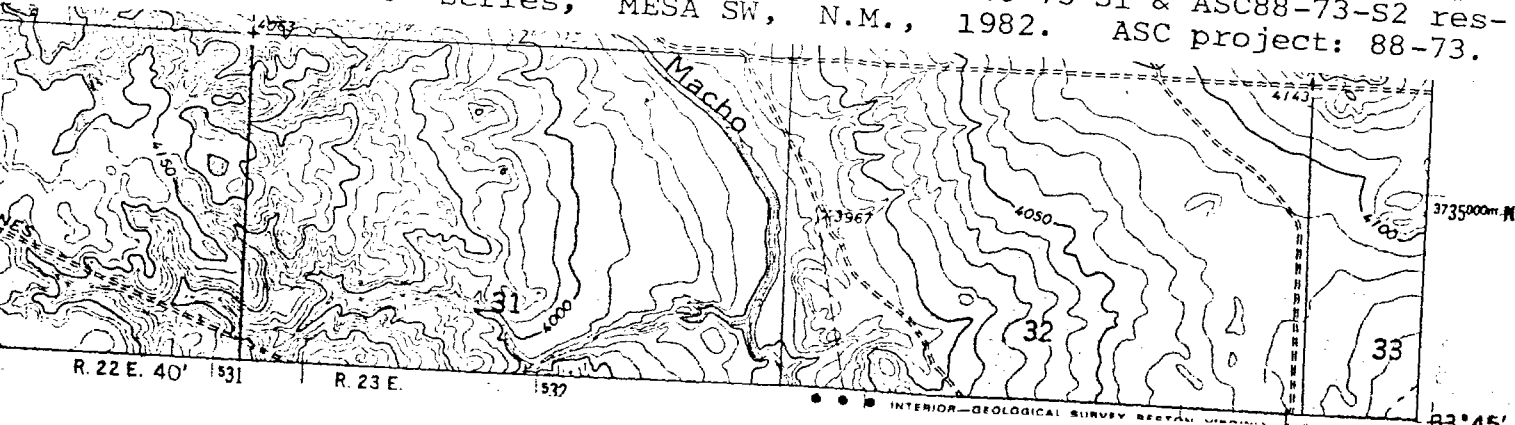
## Sketch

Cultural Affiliation UNKNOWN Best Date UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-73-IM# 11 Public. Date: 5/17/88 Institution ARSCAuthor & Title D.M. GRIFFITHS & J.V. SCISCENTI: "PIPELINE RW FOR THE M. & M. FEDERAL WELL No. 5 FOR MCKAY OIL CORPORATION"Field Recorder: D.M. GRIFFITHS Date: 5/06/88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatched area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



## ISOLATED ARTIFACT FORM

ARCHAEOLOGICAL SURVEY CONSULTANTS NO. 1 08-73-IM.#9

UTM: Zone 12 E 532,450m N 3,738,865m  
 Legal Desc.: 1 6 E R 23 E: Section 18, NW 1/4 SE 1/4 SE 1/4.  
 County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4132 ft.  
 Map Reference: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_

## Local Vegetation

grasses: grama, 3-awn, yucca, cholla, prickly pear.Ecological Zone: forest \_\_\_\_\_ woodland \_\_\_\_\_ scrubland grassland desert \_\_\_\_\_  
 scrub \_\_\_\_\_ marshland \_\_\_\_\_ other (specify) \_\_\_\_\_

## Cultural Data:

Chipped Stones: lithic debitage core biface uniface other \_\_\_\_\_

Material \_\_\_\_\_ Platform; Flake Stage; Retouch; etc. \_\_\_\_\_

a 1 grey chert core chunk, multi-direction platforms: 7.0x4.1x1.8 cmsb 1 Tan San Andres chert spall with 3 flakes removed: 3.2x1.7x0.7 cms.

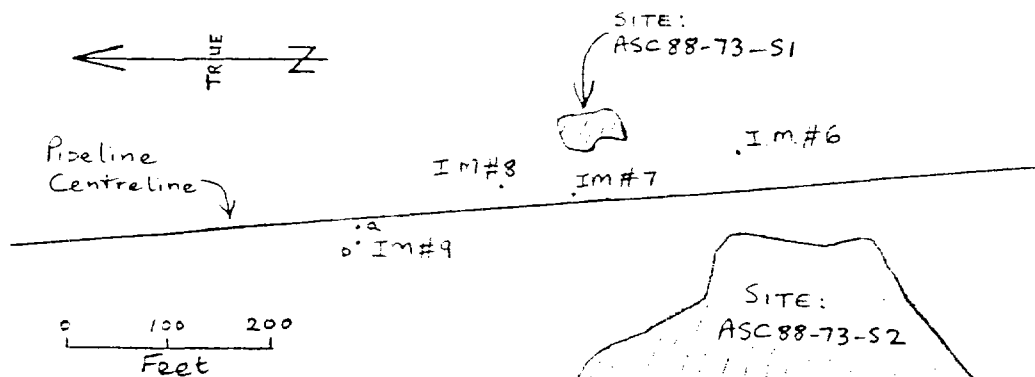
Ground Stone: \_\_\_\_\_

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

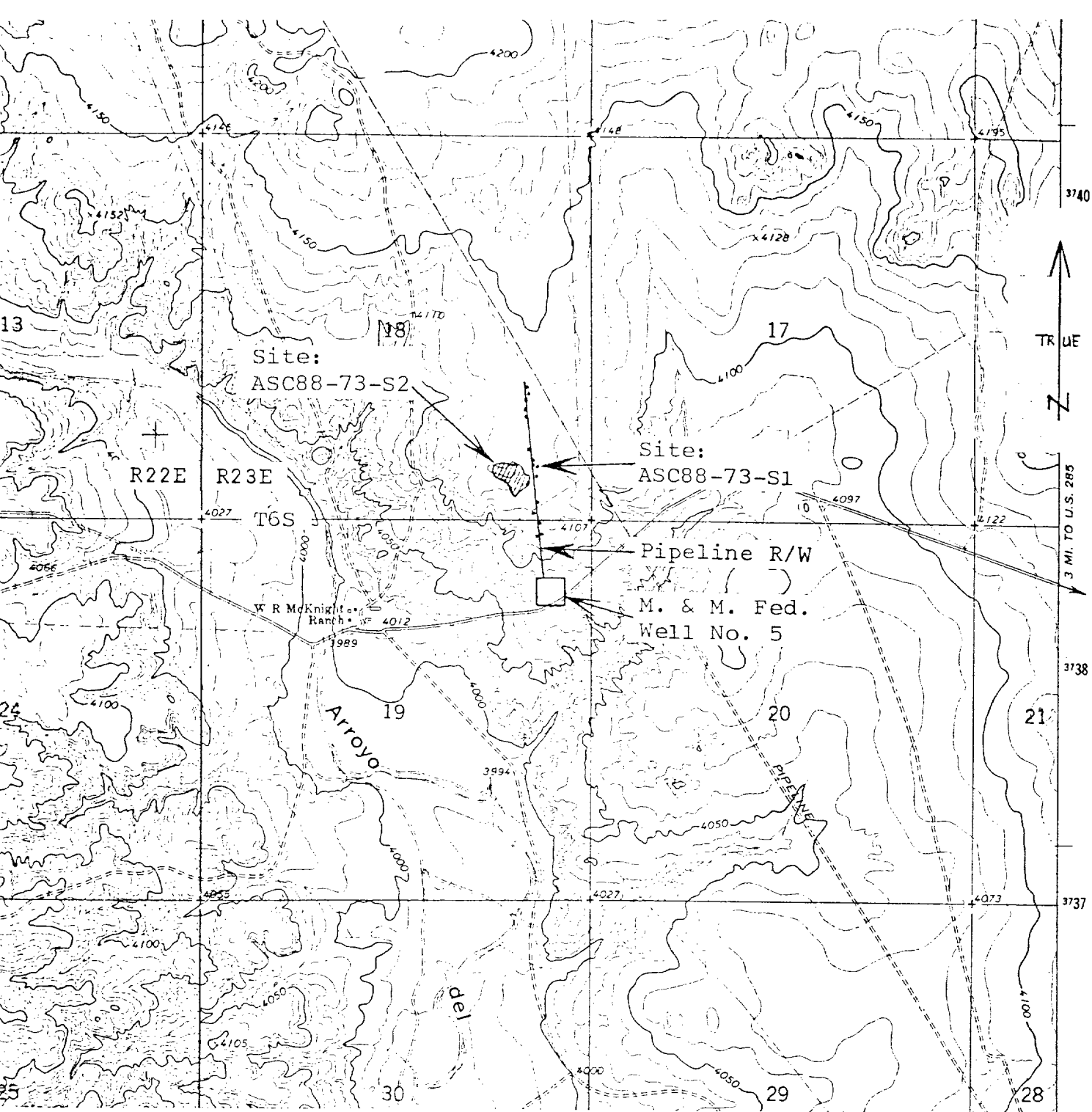
Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

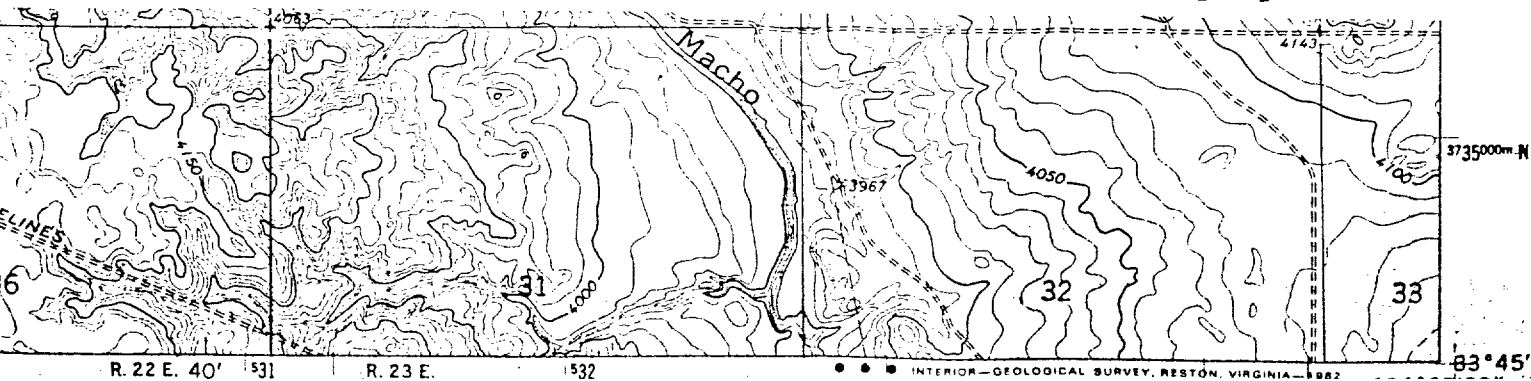
## Sketch

Cultural Affiliation UNKNOWNBest Date UNKNOWNArtifact collected? yes \_\_\_\_\_ no X Other I.A.'s, features, or site nearby? YES: SITES: ASC88-73-S1 & SLA/Field #: ASC88-73-IM.#8 Public. Date: 5/17/88 Institution PRSCAuthor & Title D.M. GRIFFITHS & J.V. SCISCENTI: "PIPELINE R/W FOR THE M. & M. FEDER WELL No. 5 FOR MCKAY OIL CORPORATION"Field Recorder: D.M. GRIFFITHSDate: 5/06/88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatched area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



UTM: Zone 12 E 532,470 m N 3,738,820 m.  
 Legal Desc.: 1 6 E R 23 E; Section 18; NW 1/4 SE 1/4 SE 1/4.  
 County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4131 ft.  
 Map Reference: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_

Local Vegetation \_\_\_\_\_

grasses: grama, 3-awn, yucca, cholla, prickly pear, gyp coidenic, snakeweedEcological 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 brown orthoquartzite prepared platform interior flake: 2.5 x 2.6 x 0.6 cms.

1 grey chert " " " " : 1.6 x 1.6 x 0.5 cms.

1 purple quartzite cortex platform secondary flake: 5.7 x 4.1 x 0.4 cms.

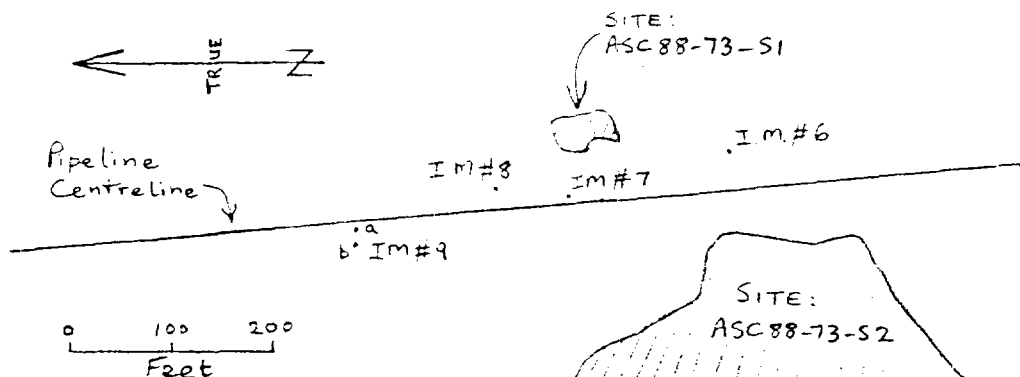
Ground Stone: \_\_\_\_\_

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

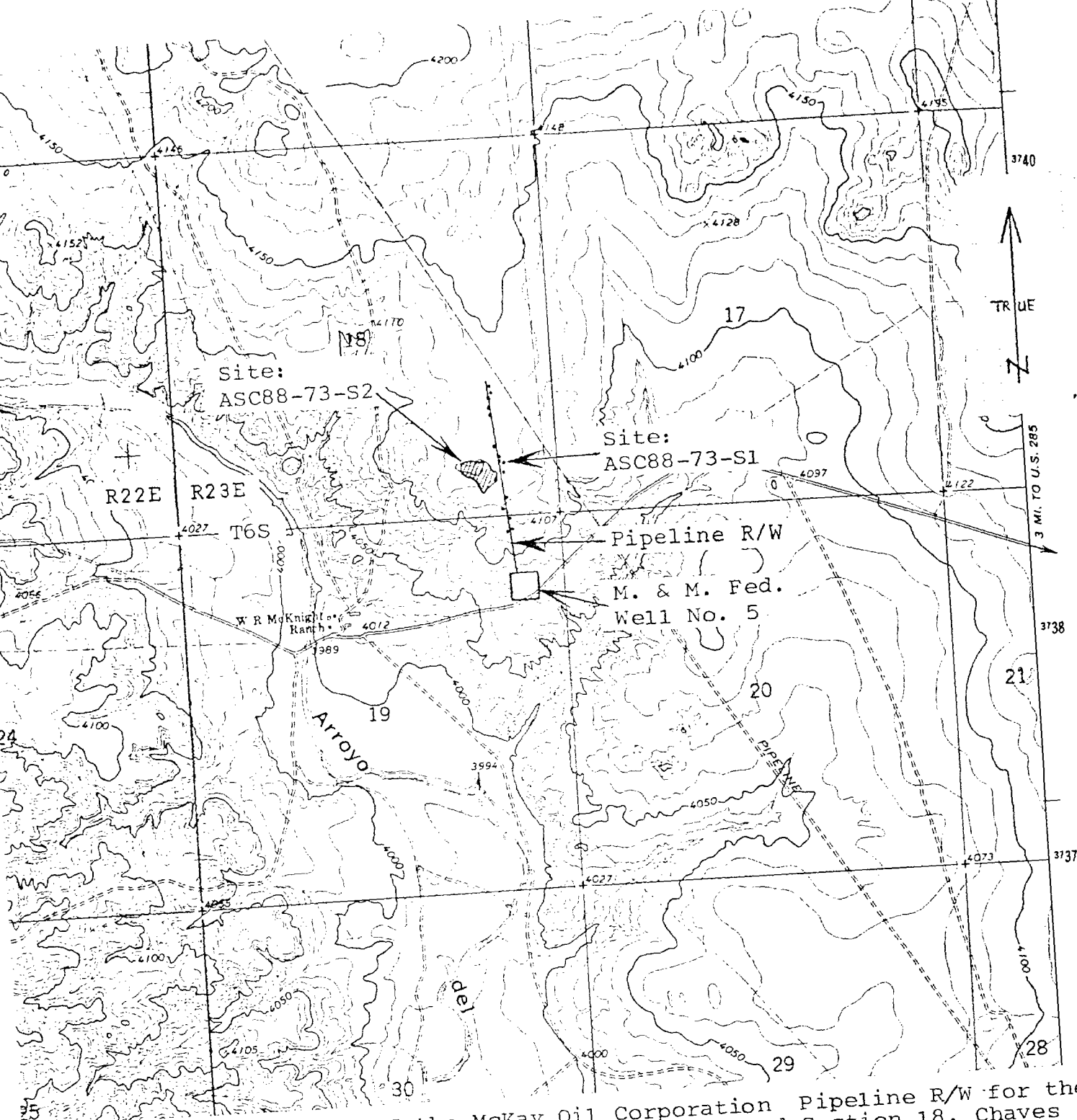
Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

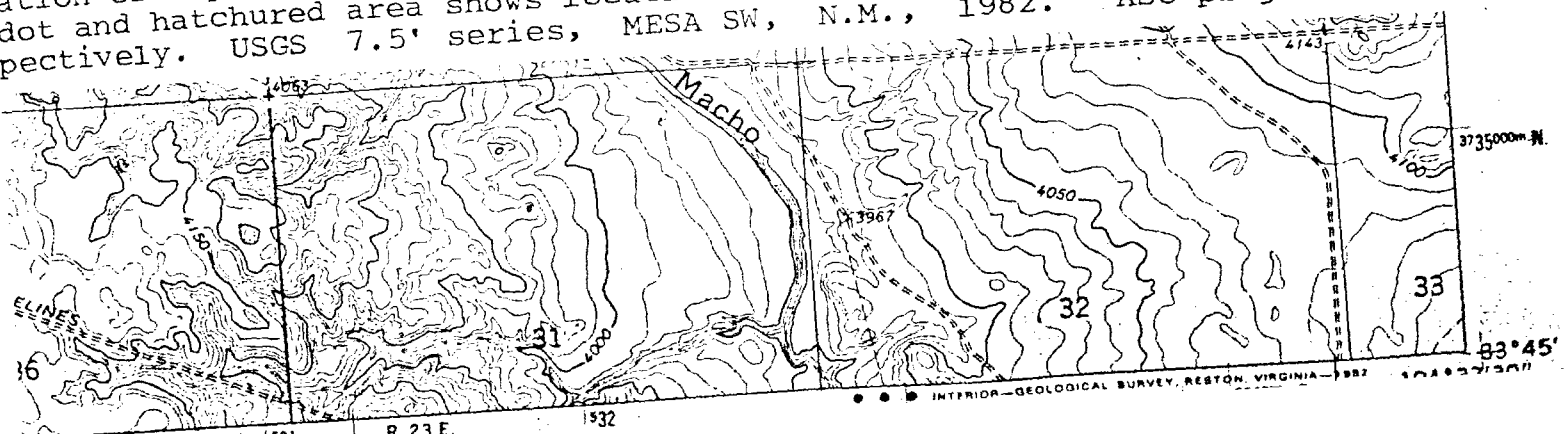
Sketch

Cultural Affiliation UNKNOWNBest Date UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YES SITES: ASC 88-73-S1 & S2LA/Field #: ASC 88-73-IM#7 & 9 Public. Date: 5/17/88 Institution APSCAuthor & Title D.M. GRIFFITHS & J.V. SCISSENTI: "PIPELINE RW FOR THE M. & M. FEDEX WELL No. 5 FOR MCKAY OIL CORPORATION."Field Recorder: D.M. GRIFFITHSDate: 5/06/88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatched area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



## ISOLATED ARTIFACT FORM

ARCHAEOLOGICAL SURVEY CONSULTANTS NO. 1 88-73-IM#7

UTM: Zone 12 E 532,465 m N 3,738,800 m.  
 Legal Desc.: T 6 S R 23 E Section 18; NW 1/4 SE 1/4 SE 1/4.  
 County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4131 ft.  
 Map Reference: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flet     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_

## Local Vegetation

grasses: grama, 3-awn, yucca, cholla, prickly pear, snakeweed gyp Cordenia

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 Tan San Andres Chert cortex platform interior flake (proximal end):  
2.1 x 1.6 x 0.4 cms.

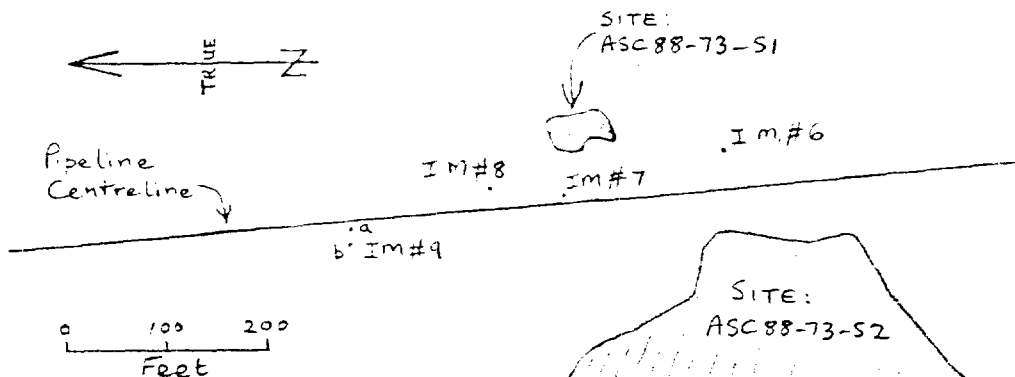
## Ground Stone: \_\_\_\_\_

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

Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

## Sketch



Cultural Affiliation

UNKNOWN

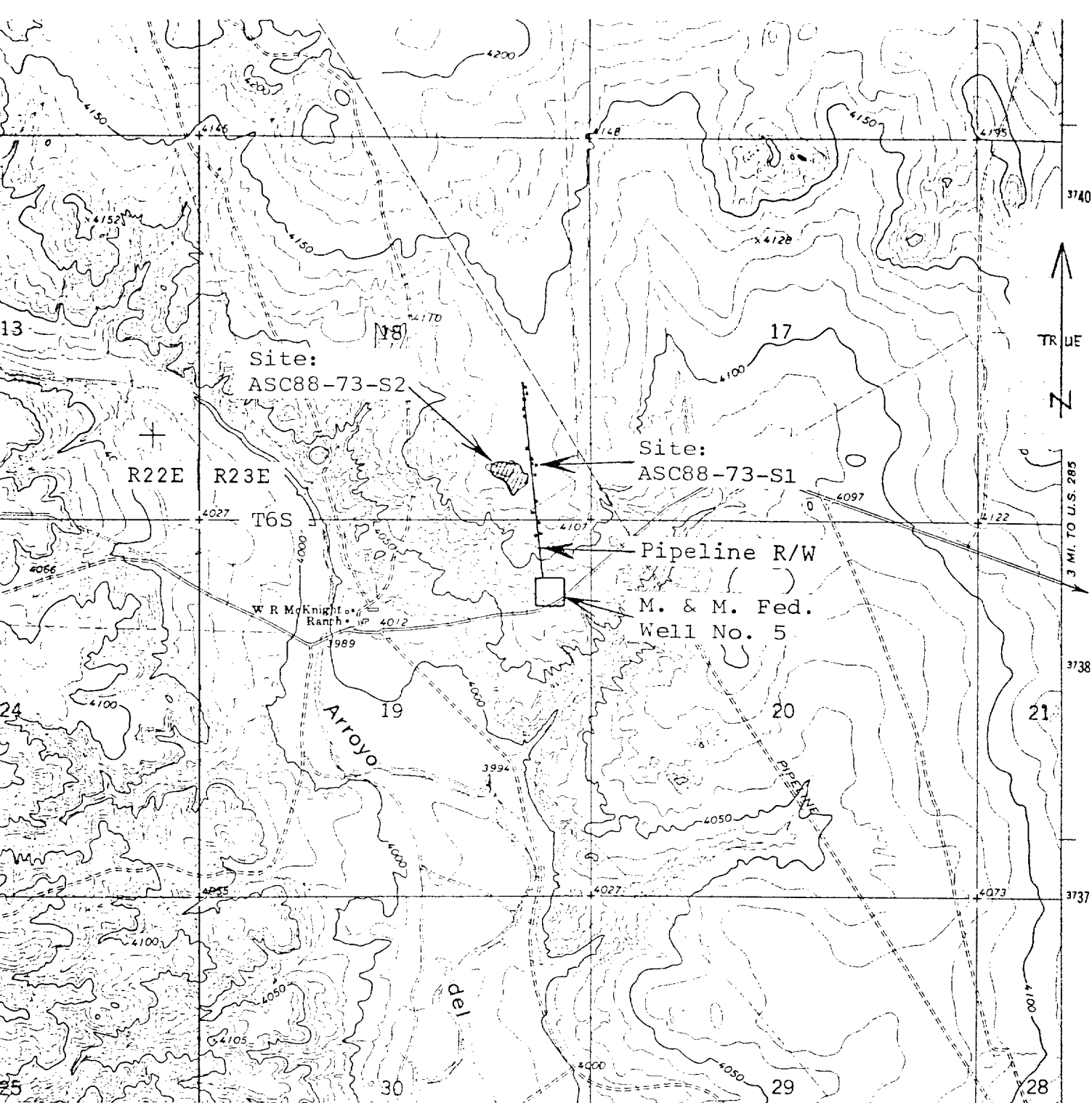
Best Date

UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YES SITES: ASC 88-73-S1 & SLA/Field #: ASC 88-73-IM#6 & 8 Public. Date: 5/17/88 Institution BRSC

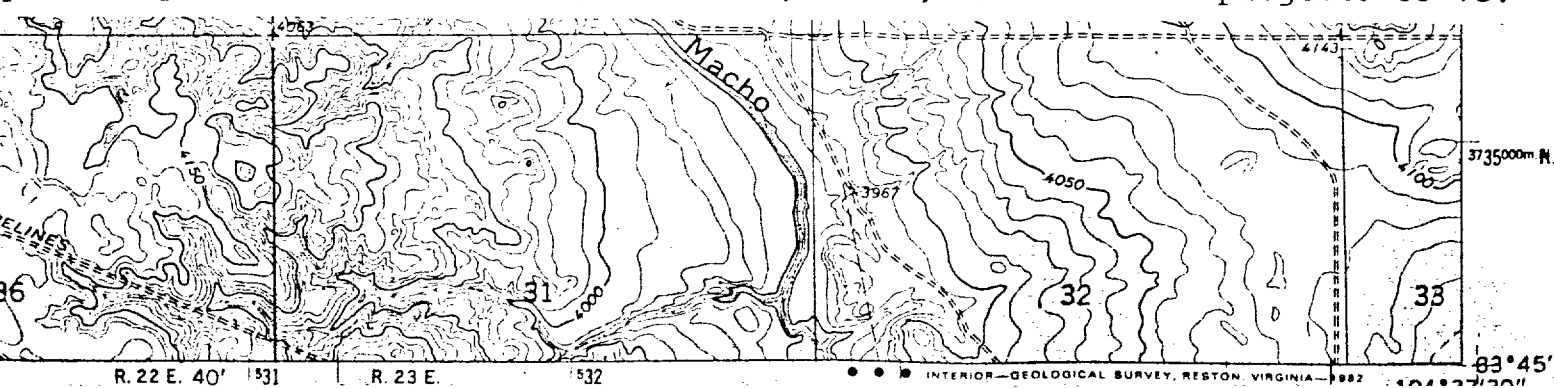
Author & Title D.M. GRIFFITHS & J.V. SCISCENTI: "PIPELINE RW FOR THE M. & M. FEDER  
WELL No. 5 FOR MCKAY OIL CORPORATION."

Field Recorder: D.M. GRIFFITHSDate: 5/02/88

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 McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatchured area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



UTM: Zone 12 E 532,480 m. N 3,738,755 m.  
 Legal Desc.: 1 6 S R 23 E; Section 18; SW 1/4 SE 1/4.  
 County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4128 ft.  
 Map Reference: USGS MESA SW Date: 1967 Scale: 7.5' / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/escarp  | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual eolian colluvial alluvial other \_\_\_\_\_

## Local Vegetation

grasses: grama, 3-awn. yucca, cholla, prickly pear, snakeweed.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 Purple quartzite Biface fragment: 4.3 x 4.1 x 1.2 to 0.2 cms.

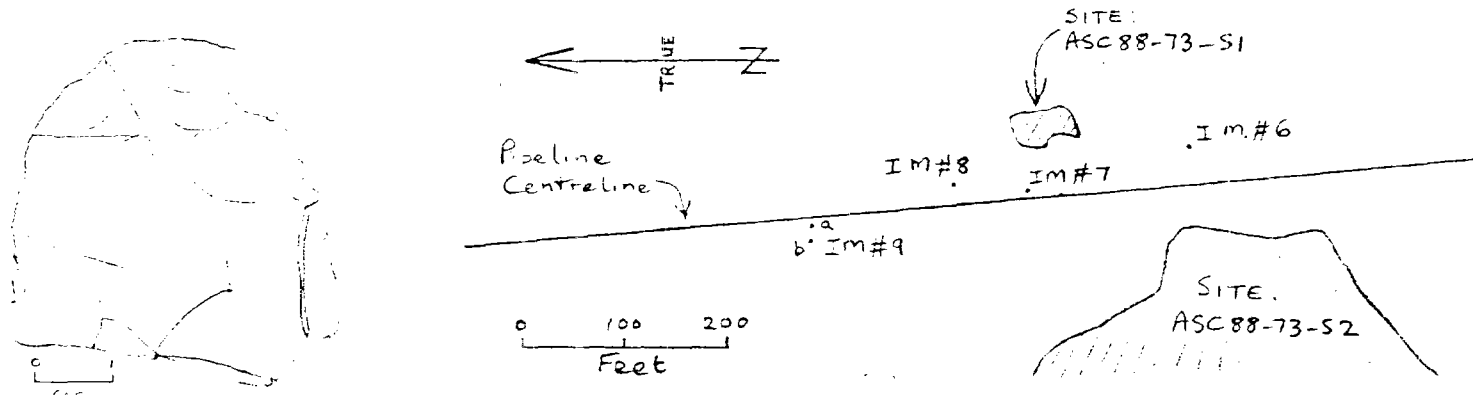
Ground Stone: \_\_\_\_\_

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

Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

## Sketch



Cultural Affiliation

UNKNOWN

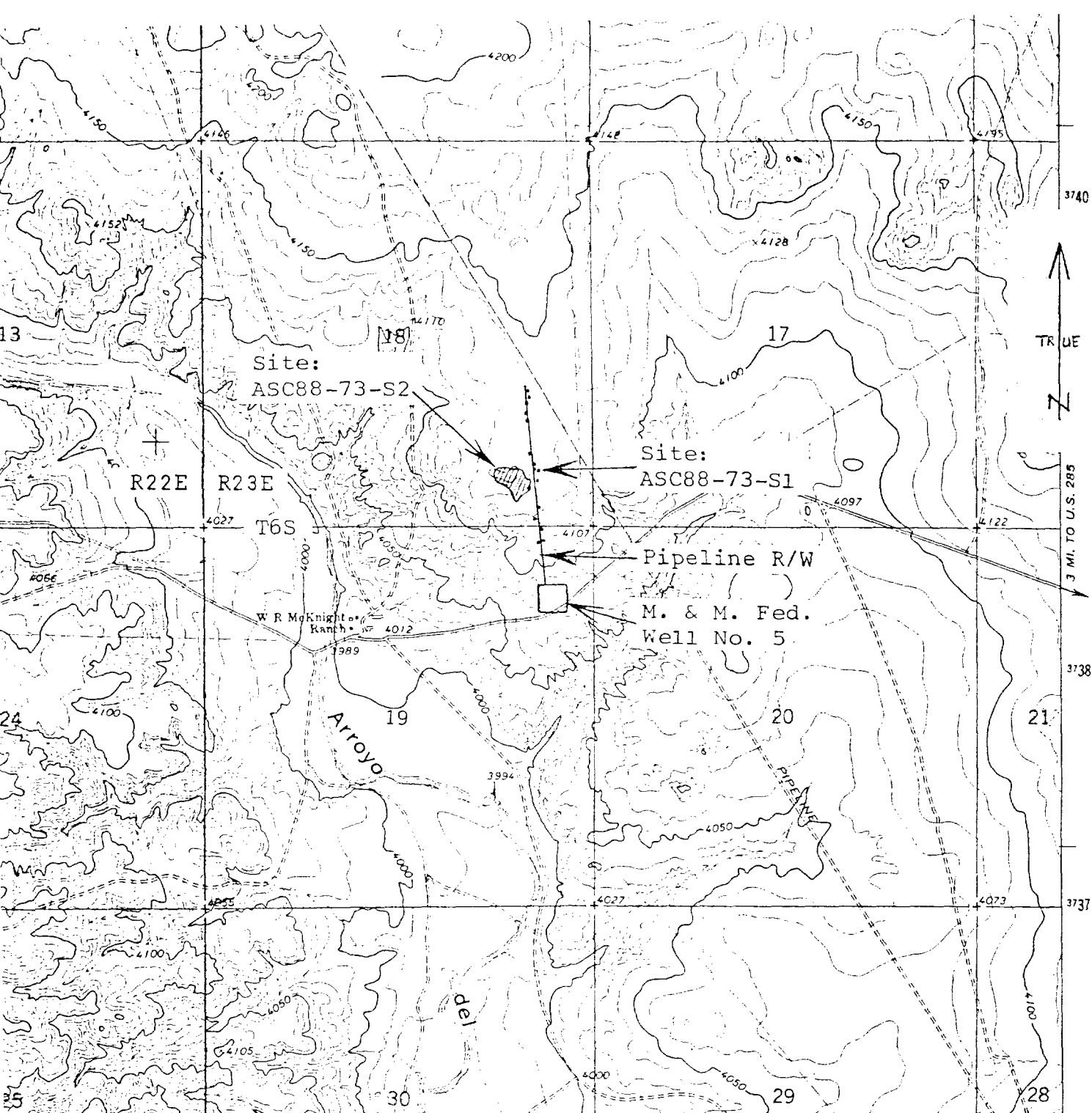
Best Date

UNKNOWNArtifact collected? yes \_\_\_\_\_ no X Other I.A.'s, features, or site nearby? YES. SITES: ASC88-73-S1 & SLA/Field #: ASC88-73-IM# 7

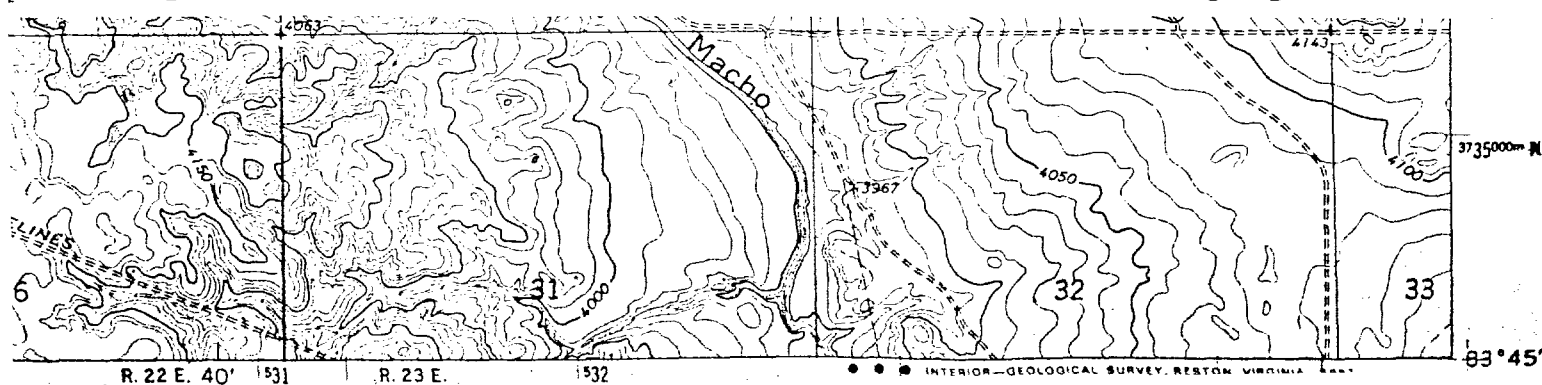
Public. Date:

5/17/88Institution PRSCAuthor & Title D.M. GRIFFITHS & J.V. SCUSCENTI: "PIPELINE RW FOR THE M. & M. FEDE. WELL No. 5 FOR MCKAY OIL CORPORATION"Field Recorder: D.M. GRIFFITHSDate: 5, 06, 88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatchured area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



## ISOLATED ARTIFACT FORM

ARCHAEOLOGICAL SURVEY CONSULTANTS NO. 1 60-73-IM#5

UTM: Zone 12 E 532,485 m. N 3,738,640  
 Legal Desc.: T 6 S R 23 E Section 18; SW 1/4 SE 1/4 SE 1/4.  
 County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4123 ft.  
 Map Reference: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/escarp  | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_

## Local Vegetation \_\_\_\_\_

grasses: grama, 3-awn, yucca, cholla, prickly pear, snakeweedEcological 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.

a) Tan San Andres Chert primary flake (medial portion): 4.3 x 3.5 x 1.1 cms.b) grey-tan " " prepared platform interior flake: 2.7 x 1.9 x 0.5 cms.

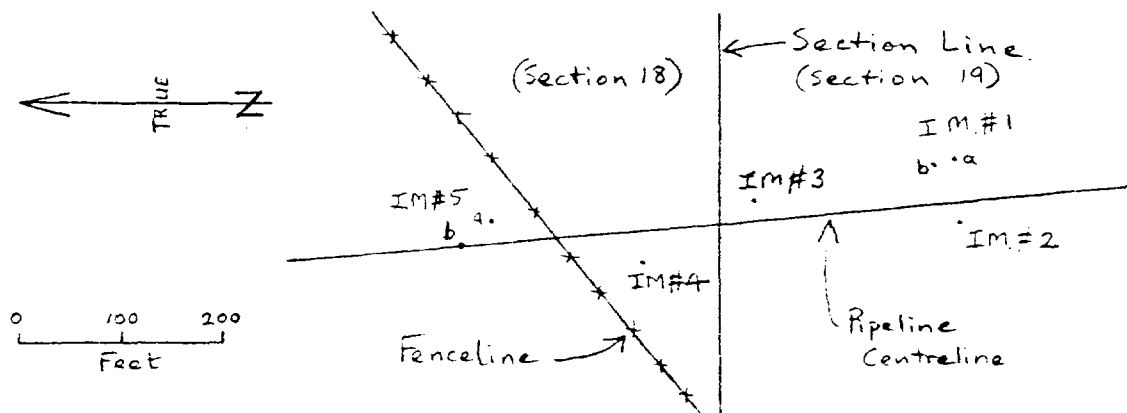
## Ground Stone: \_\_\_\_\_

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

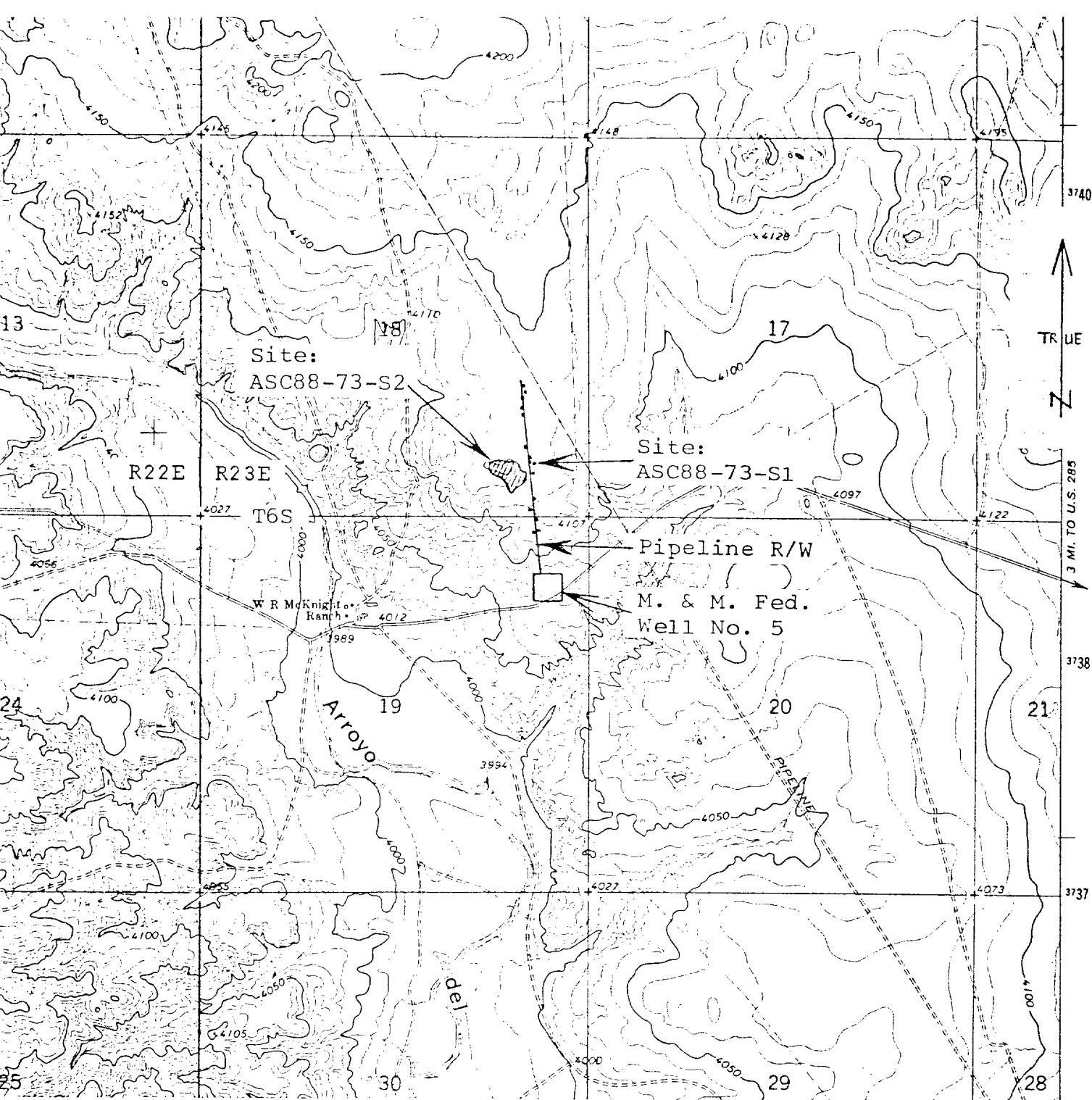
Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

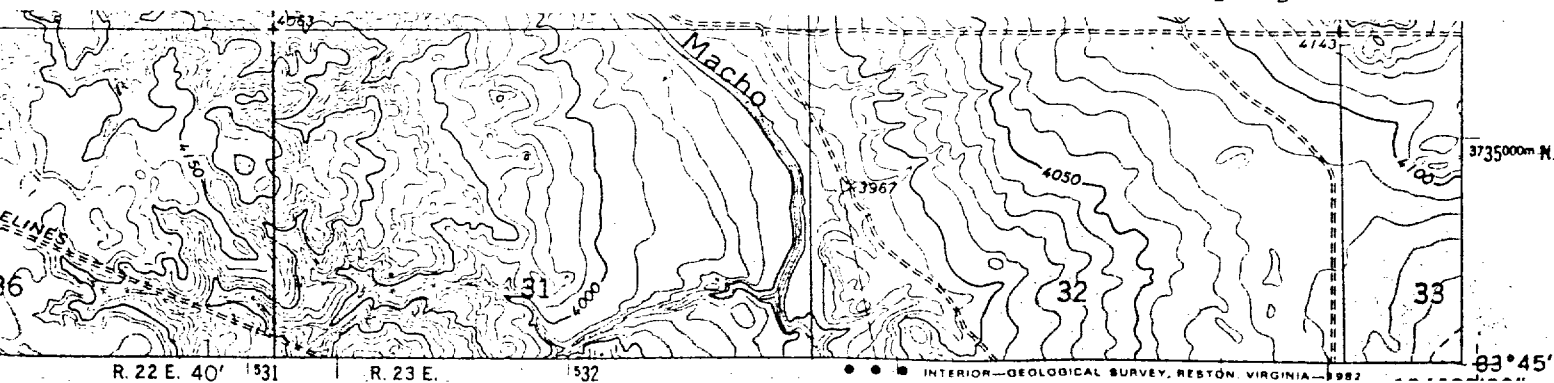
## Sketch

Cultural Affiliation UNKNOWNBest Date UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-73-IM#4 Public. Date: 5/17/88 Institution ARSCAuthor & Title D.M. GRIFFITHS & J.V. SCISCENTI: "PIPELINE RW FOR THE M. & M. FEDER WELL No. 5 FOR MCKAY OIL CORPORATION"Field Recorder: D.M. GRIFFITHSDate: 5/02/88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatched area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



UTM: Zone 13 E 532,495 m N 3,738,590 m.  
 Legal Desc.: T 6 E R 23 E: Section 18; SW 1/4 SE 1/4 SE 1/4.  
 County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4120 ft.  
 Map Reference: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> erode/wash    | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_Local Vegetation yucca, coldenia, snake-weed,grasses: grama, 3-awn, yucca, cholla, prickly pear.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.

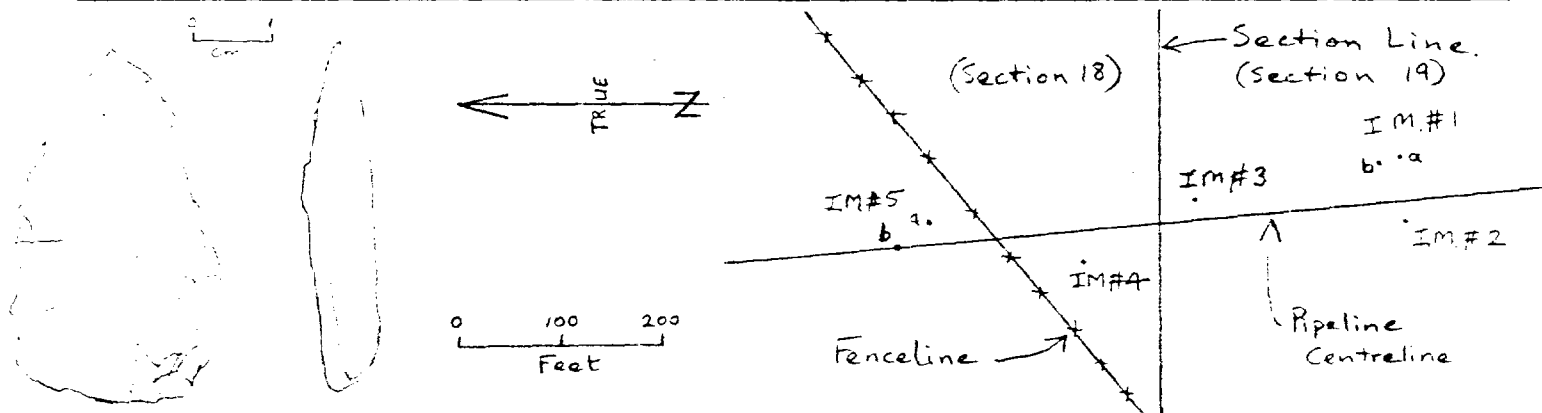
1 Tan San Andres Chert Biface: 4.5 x 2.6 x 1.9 cms.

Ground Stone: \_\_\_\_\_

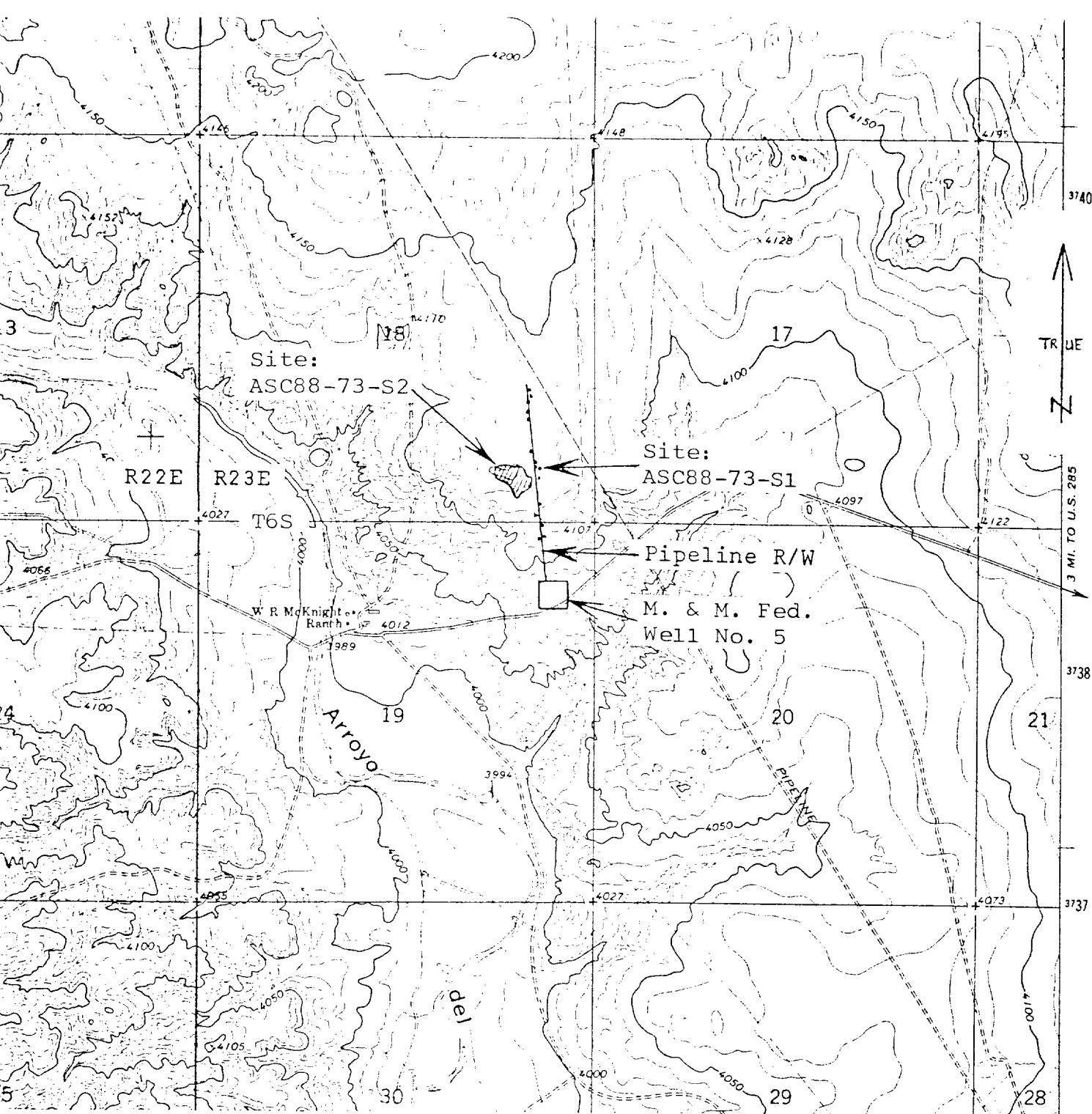
Ceramics: type, if known; describe paint, slip, temper, paste, vessel form, rim type, etc.

Historic (older than 50 yrs.) \_\_\_\_\_

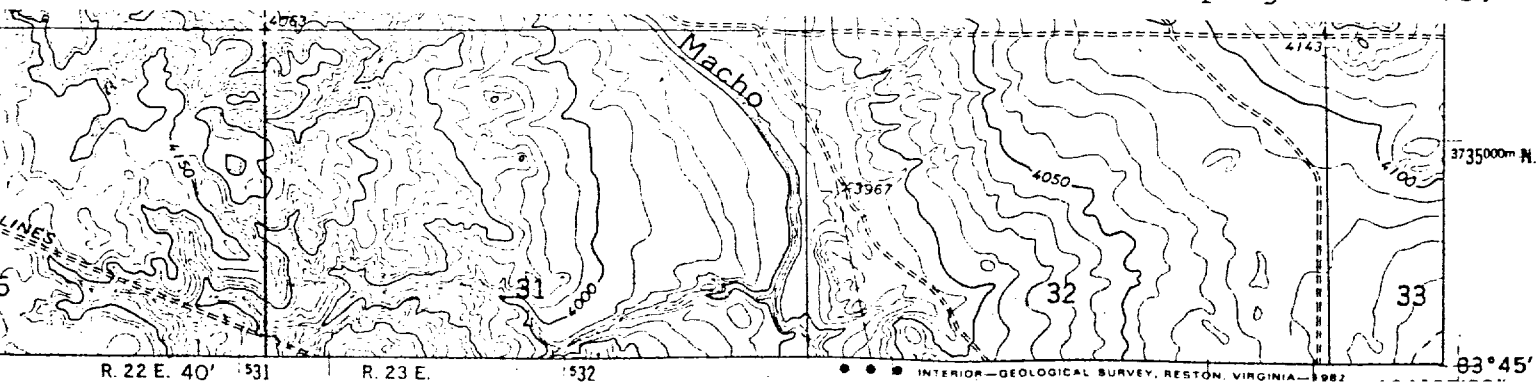
Other \_\_\_\_\_

Cultural Affiliation UNKNOWN Best Date UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-73-IM# 3 & 5 Public. Date: 5/17/88 Institution PRSCAuthor & Title D.M. GRIFFITHS & J.V. SCISCENTI: PIPELINE RW FOR THE M. & M. FEDERAL WELL No. 5 FOR MCKAY OIL CORPORATION.Field Recorder: D.M. GRIFFITHS Date: 5/02/88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatched area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



UTM: Zone 12 E 532,500 m. N 3,738,550 m.Legal Desc.: T 6 E R 23 E: Section 19; NW 1/4 NE 1/4 NE 1/4.County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4118 ft.Map References: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_Local Vegetation gyp cecidaria, snakeweed.grasses: grama, 3-awn, yucca, cholla, prickly pear.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 Tan San Andres Chert prepared platform interior flake (proximal end):  
3.5 x 3.7 x 1.0 cms

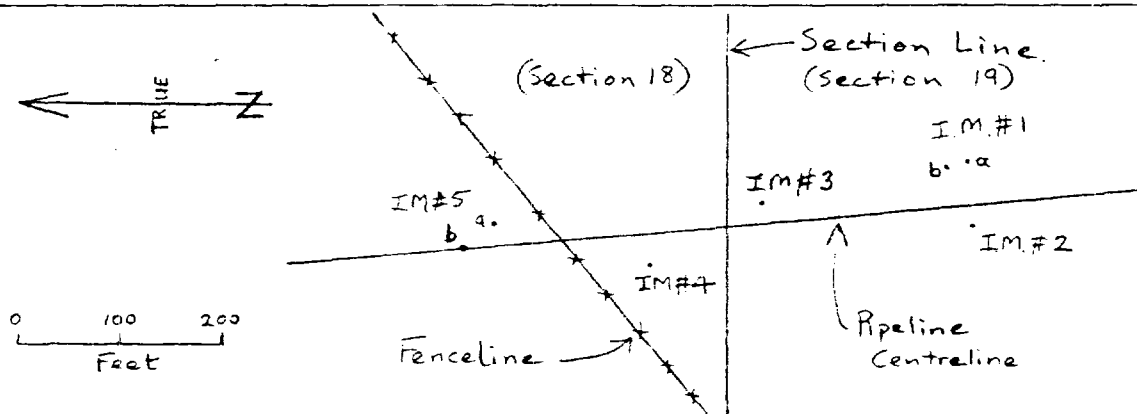
Ground Stone: \_\_\_\_\_

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

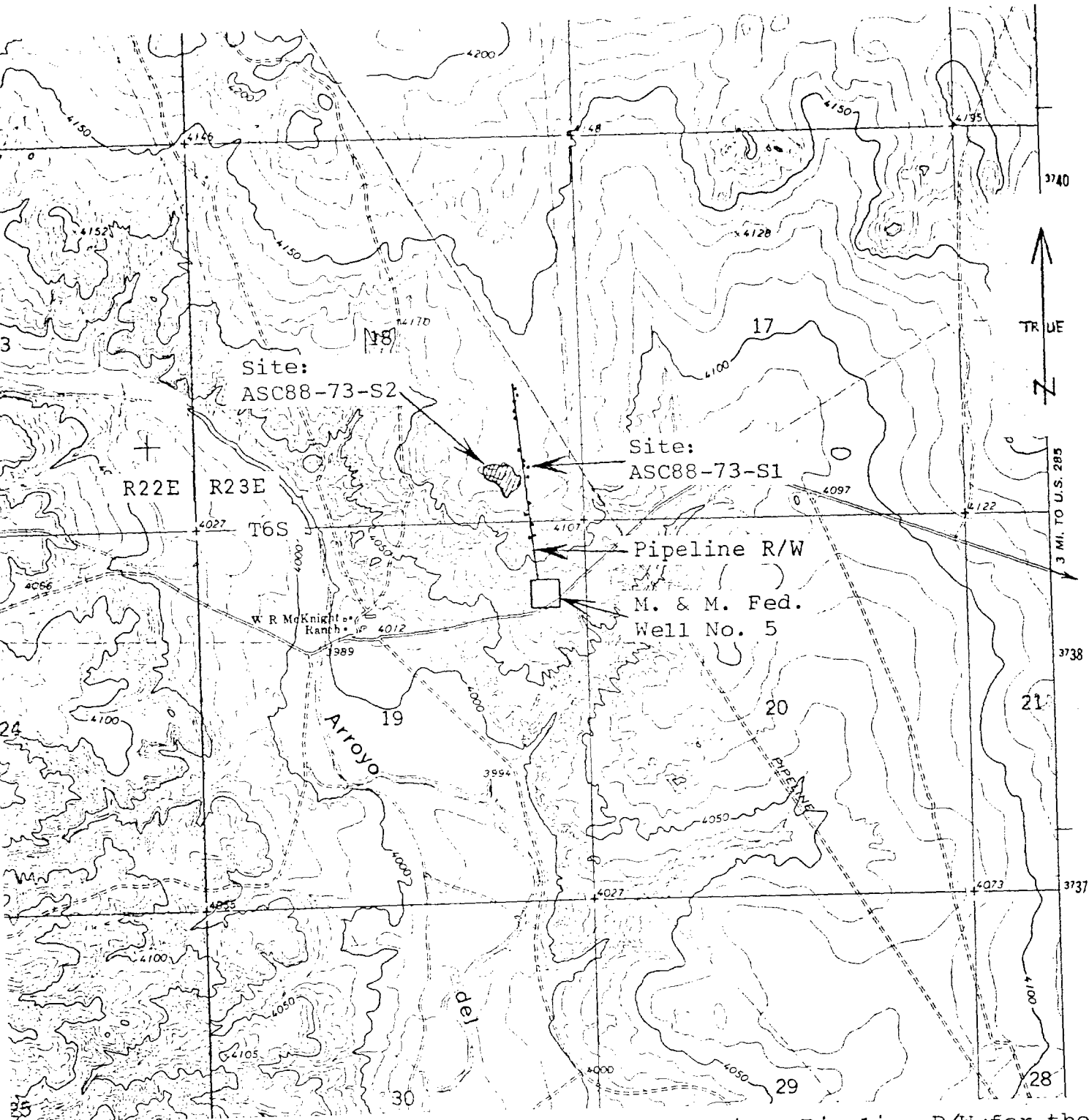
Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

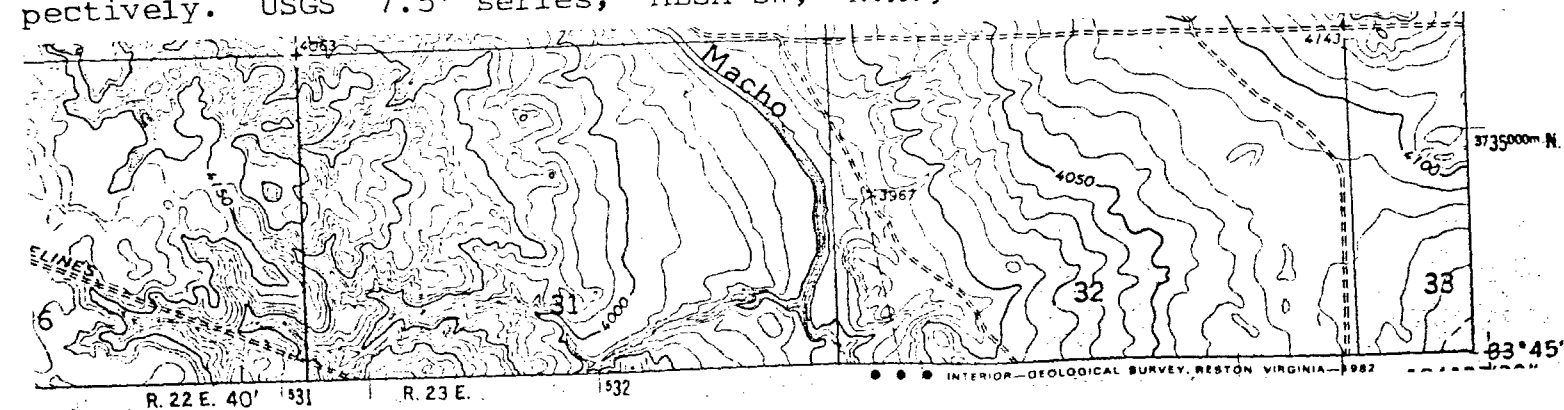
## Sketch

Cultural Affiliation UNKNOWN Best Date UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YESLA/Field #: ASC.88-73-IM.#184 Public. Date: 5/17/88 Institution ARSCAuthor & Title D.M. GRIFFITHS & J.V. SUSCENI: "PIPELINE RW FOR THE M. & M. FEDERAL WELL No. 5 FOR MCKAY OIL CORPORATION"Field Recorder: D.M. GRIFFITHS Date: 5/02/88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatchured area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



## ISOLATED ARTIFACT FORM

ARCHAEOLOGICAL SURVEY CONSULTANTS NO. 1 08-73-IM#2

UTM: Zone 18 E 532,490 m. N 3,738,495 m.  
 Legal Desc.: 16 E R 23 E Section 19; NW 1/4 NE 1/4 NE 1/4.  
 County: Chaves / Eddy / Lea / \_\_\_\_\_ State New Mexico Elevation 4114 ft.  
 Map Reference: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_Local Vegetation yucca, cecidaria, snakeweed,  
grasses: grama, 3-awn, yucca, cholla, prickly pear.Ecological Zone: forest \_\_\_\_\_ woodland \_\_\_\_\_ scrubland grassland desert \_\_\_\_\_  
scrub \_\_\_\_\_ marshland \_\_\_\_\_ other (specify) \_\_\_\_\_

## Cultural Data:

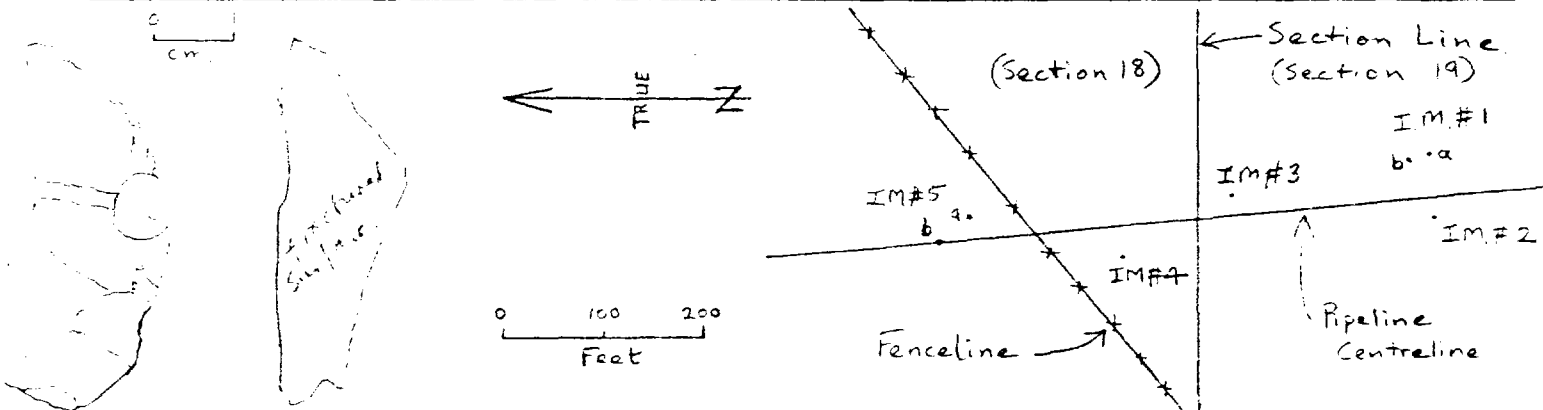
Chipped Stone; lithic debitage core biface uniface other \_\_\_\_\_Material \_\_\_\_\_ Platform: Flake Stage; Retouch; etc.  
1 grey/tan San Andres chert biface fragment: 4.8 x 2.1 x 1.5 cms.

Ground Stone: \_\_\_\_\_

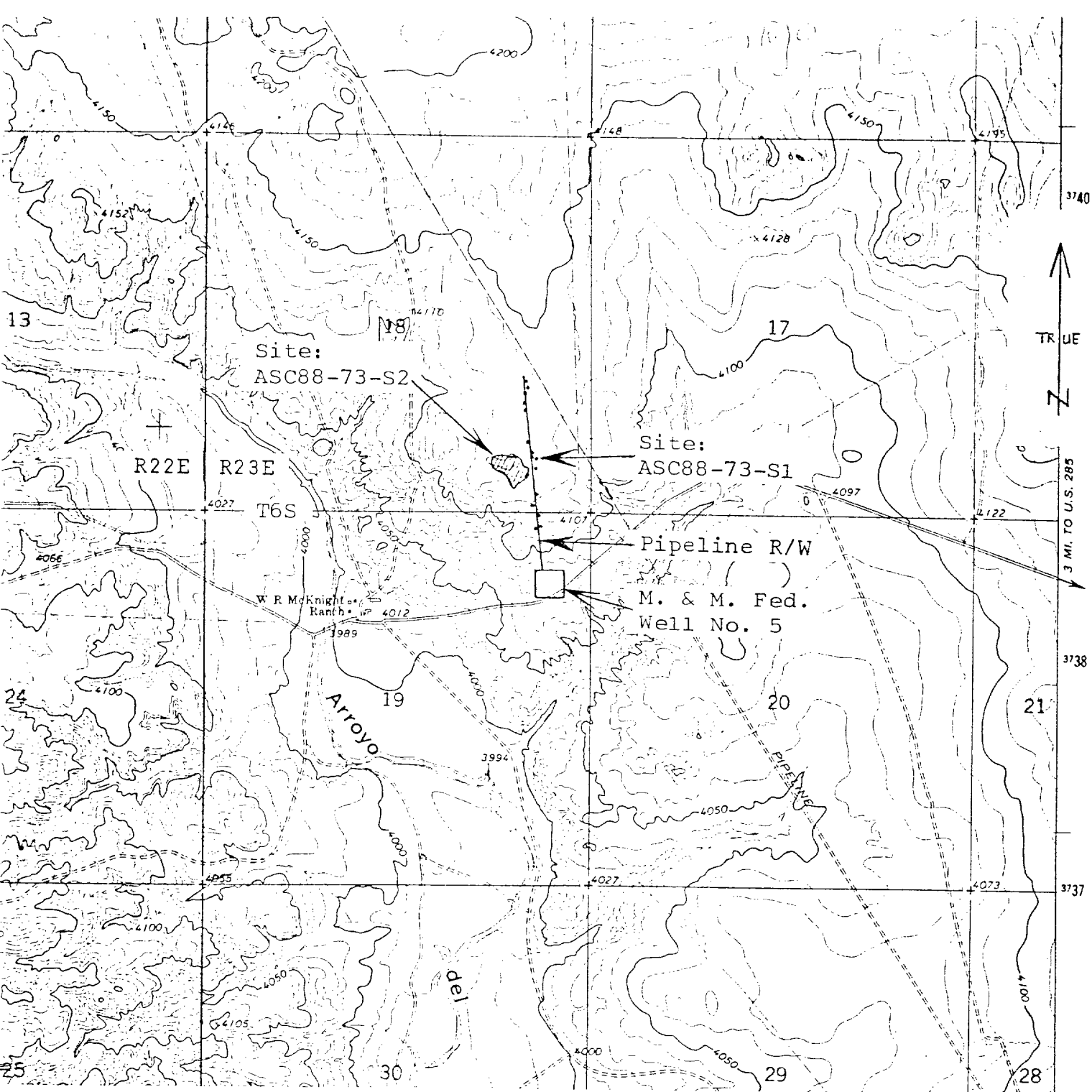
Ceramics: type, if known; describe paint, slip, temper, paste, vessel form, rim type, etc.

Historic (older than 50 yrs.) \_\_\_\_\_

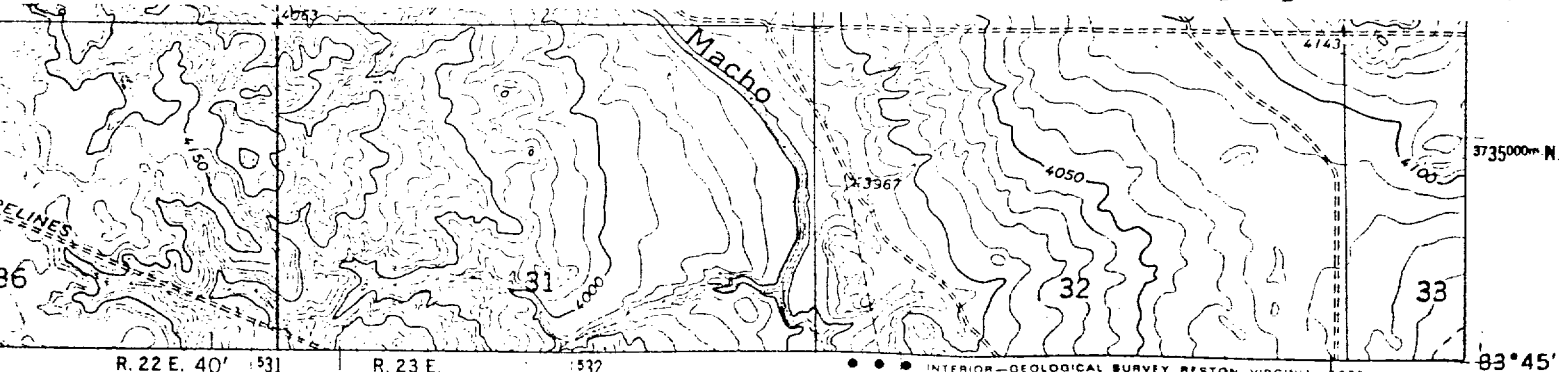
Other \_\_\_\_\_

Cultural Affiliation UNKNOWN Best Date UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-73-IM#1 & 3 Public. Date: 5/17/88 Institution BASCAuthor & Title D.M. GRIFFITHS & J.V. SCUSCENTI: PIPELINE RW FOR THE M. & M. FEDER  
WELL No. 5 FOR MCKAY OIL CORPORATION.Field Recorder: D.M. GRIFFITHS Date: 5/02/88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatchured area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.



## ISOLATED ARTIFACT FORM

ARCHAEOLOGICAL SURVEY CONSULTANTS NO.: 88-73-IM.#1UTM: Zone 13 E 532,510 m N 3,738,500 m.Legal Desc.: 1 6 S R 23 E Section 19: NW 1/4 NE 1/4.County: Chaves / Eddy / Lea / State New Mexico Elevation 4115 ft.Map Reference: USGS MESA SW Date: 1967 Scale: 7.5" / 15"

## Topographic Setting:

|                                        |                                             |                                         |                                                 |
|----------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> arroyo/wash   | <input type="checkbox"/> constricted canyon | <input type="checkbox"/> hill slope     | <input type="checkbox"/> playa                  |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> dune               | <input type="checkbox"/> low rise       | <input type="checkbox"/> ridge crest            |
| <input type="checkbox"/> bench         | <input type="checkbox"/> dune ridge system  | <input type="checkbox"/> mesa           | <input checked="" type="checkbox"/> ridge slope |
| <input type="checkbox"/> blowout       | <input type="checkbox"/> dune rise (local)  | <input type="checkbox"/> mountain       | <input type="checkbox"/> saddle                 |
| <input type="checkbox"/> canyon rim    | <input type="checkbox"/> floodplain         | <input type="checkbox"/> mountain front | <input type="checkbox"/> base, talus slope      |
| <input type="checkbox"/> cave          | <input type="checkbox"/> valley bottom      | <input type="checkbox"/> foothill       | <input type="checkbox"/> terrace                |
| <input type="checkbox"/> cliff/scarp   | <input type="checkbox"/> hill top           | <input type="checkbox"/> plain/flat     | <input type="checkbox"/> open canyon floor      |

other \_\_\_\_\_

Dep. Envir.: bedrock residual aeolian colluvial alluvial other \_\_\_\_\_Local Vegetation yucca, coldenia, snakeweed,grasses: grama, 3-awn, yucca, cholla, prickly pear.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. \_\_\_\_\_

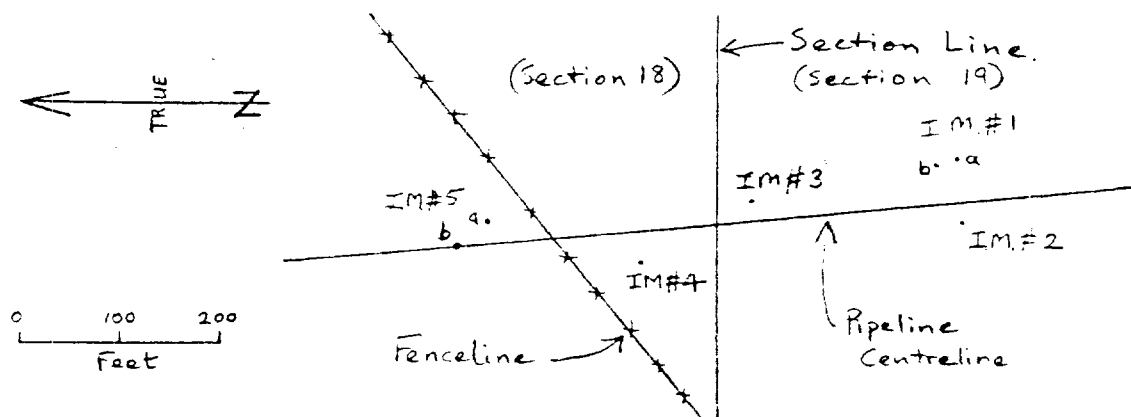
a 1 gray-tan San Andres Chert prepared platform secondary flake:2.3 x 2.5 x 0.4 cmsb 1 orange-tan " " " " " interior flake (proximal end):2.6 x 2.9 x 0.9 cm1 " " " " " spall with 3 flakes off one end: 3.5 x 2.0 x 1.1 cms1 " " " " " interior flake (medial portion): 1.7 x 1.5 x 0.2 cm

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

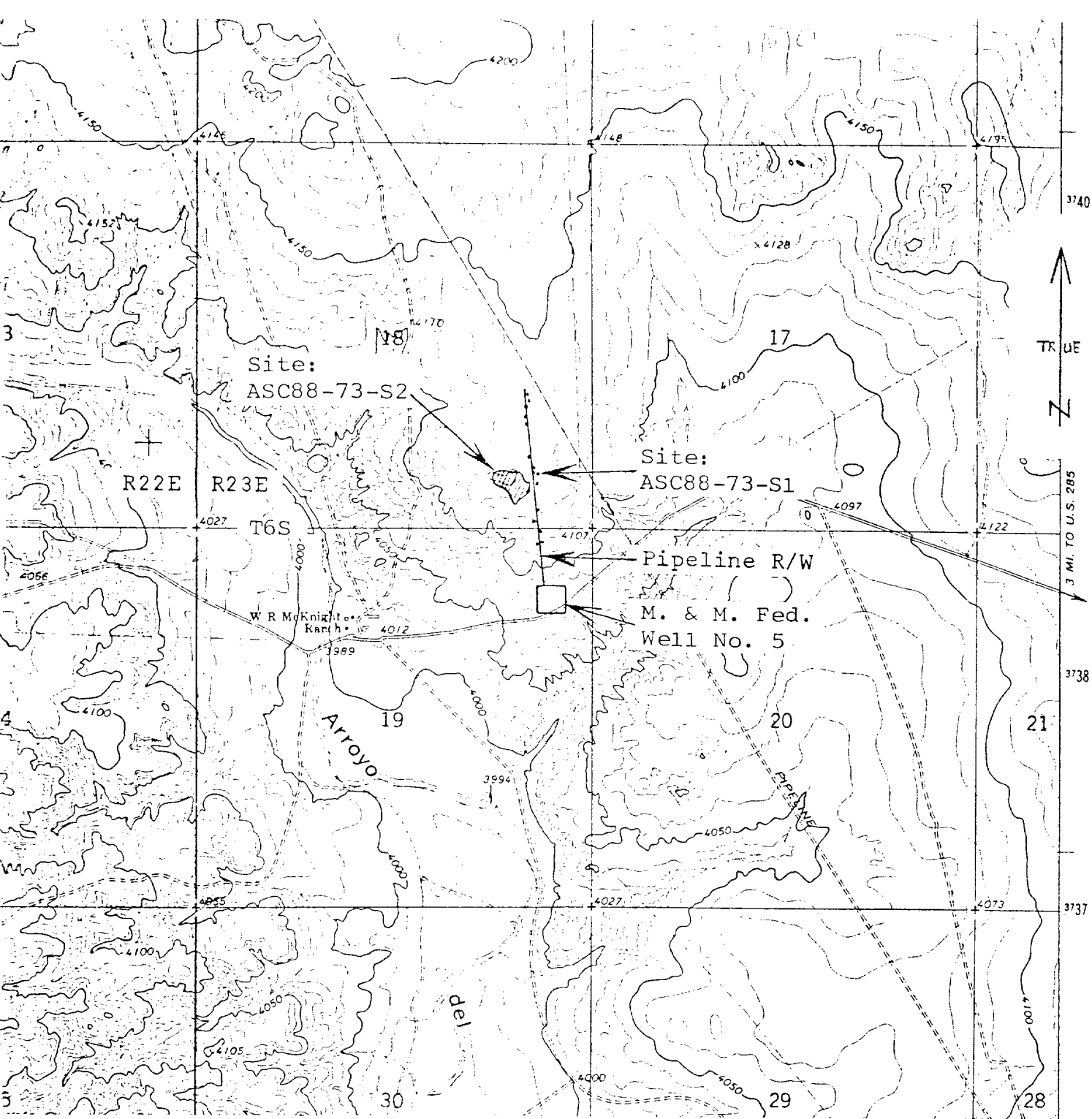
Historic (older than 50 yrs.) \_\_\_\_\_

Other \_\_\_\_\_

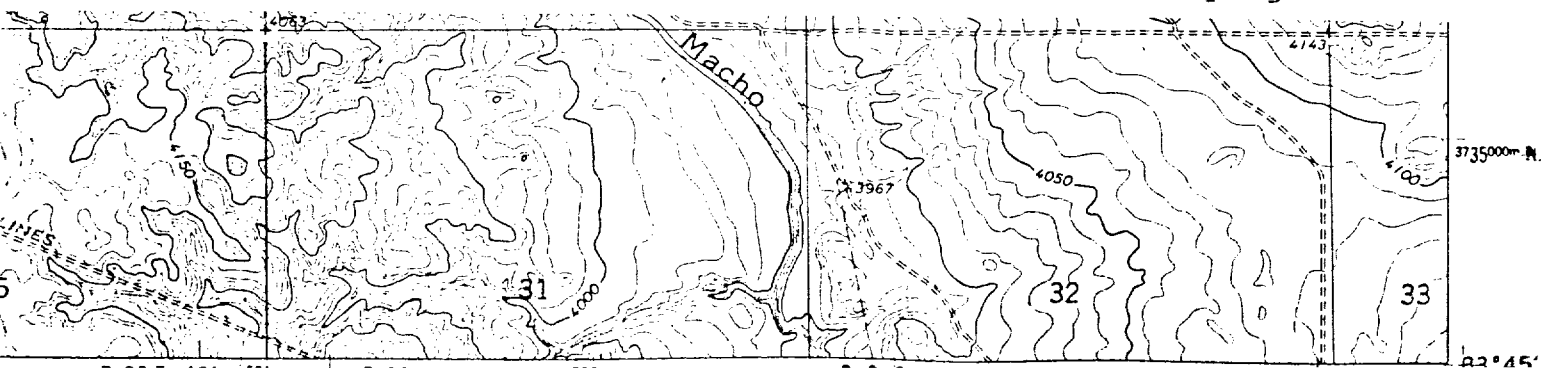
## Sketch

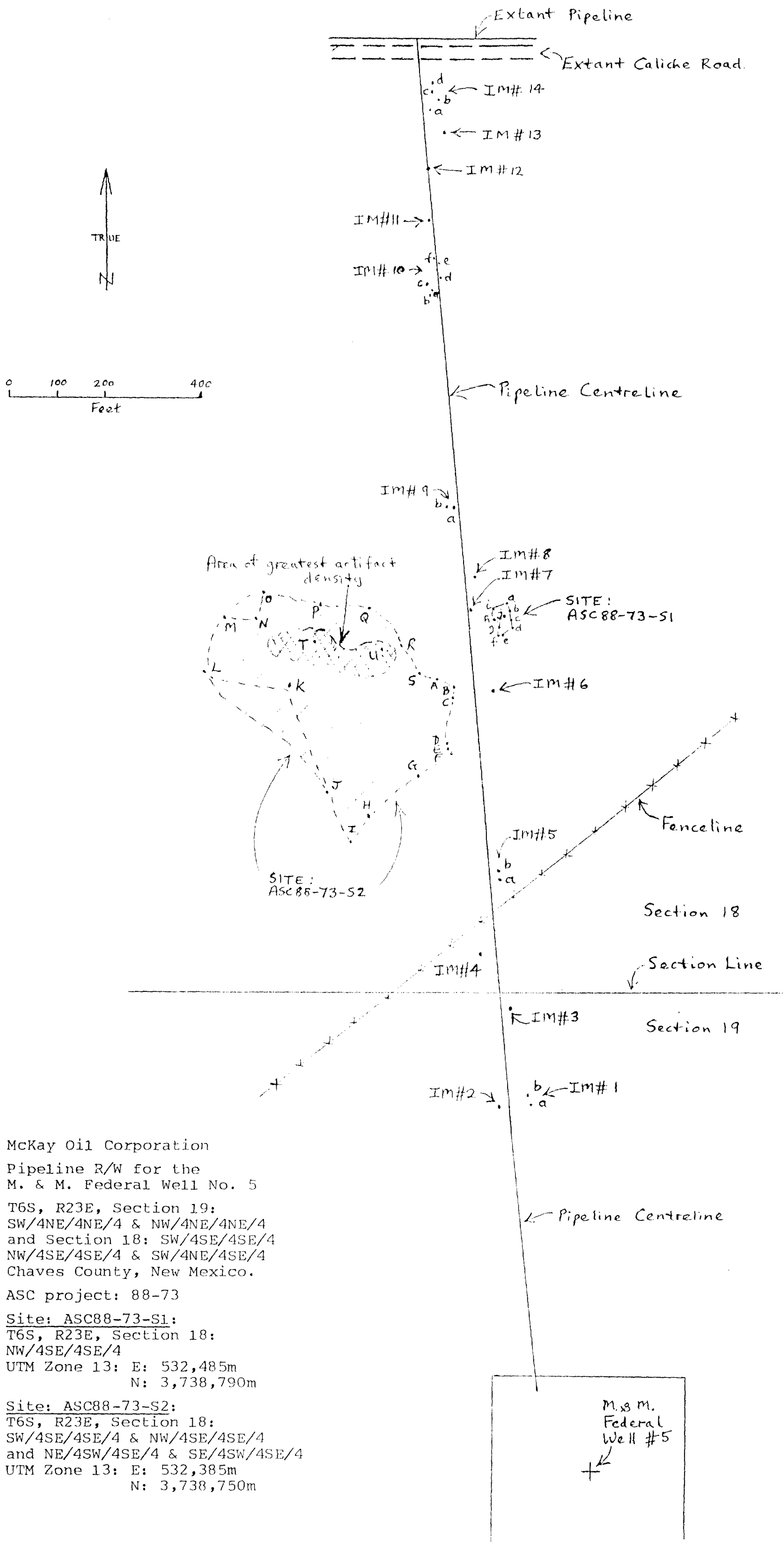
Cultural Affiliation UNKNOWN Best Date UNKNOWNArtifact collected? yes no X Other I.A.'s, features, or site nearby? YESLA/Field #: ASC 88-73-IM#2 & 3 Public. Date: 5/17/88 Institution ARSCAuthor & Title D.M. GRIFFITHS & J.V. SCISCENTI: "PIPELINE RW FOR THE M. & M. FEDER WELL No. 5 FOR MCKAY OIL CORPORATION"Field Recorder: D.M. GRIFFITHS Date: 5/02/88

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



Map showing the location of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5. T6S, R23E, Section 19 and Section 18, Chaves County, New Mexico. Square shows location of Well pad; solid line shows location of Pipeline R/W; dots show locations of Isolated Manifestations; large dot and hatched area shows location of Sites ASC88-73-S1 & ASC88-73-S2 respectively. USGS 7.5' series, MESA SW, N.M., 1982. ASC project: 88-73.





**FINDINGS:** BLM records (as of 5/06/89) indicate the prior recording of LA 2711 in Section 9 (T6S, R23E); the site is some distance to the west, and will not be endangered by installation of the pipeline. Records for Section 16 (T6S, R23E) do not indicate the prior recording of sites; however, a survey (report in progress, Ball 1988) in the NE/4 of Section 16 has revealed a limited activity locale. The site is some distance to the north, and will not be endangered by installation of the pipeline.

Archaeological survey of the McRay Oil Corporation pipeline R/W for the M. & M. Federal Well No. 5 revealed the occurrence of 14 Isolated Manifestations (all lithic debitage, except for 3 surface fragments), none of which appear significant past the level of field recording. Data on the Isolated Manifestations are within the attached I.A. Forms.

In addition, archaeological survey of the McRay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5 revealed the occurrence of 2 (BLM, Category 2) archaeological sites (ASC 88-73-S1 & ASC 88-73-S2), both consisting of **limited activity locales** (Type 4A & 4C, respectively; Kemmer & Kearns 1984).

The pipeline R/W was re-routed to avoid the two archaeological sites. Further data on the sites occur in the attached ARMS site forms, site maps, and descriptive attribute tables.

#### RECOMMENDATIONS:

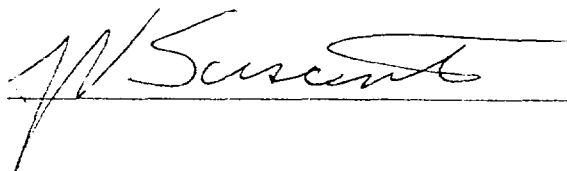
Since the pipeline R/W was re-routed to avoid the two archaeological sites, archaeological **CLEARANCE** for the McRay Oil Corporation pipeline R/W for the M. & M. Federal Well No. 5 is **RECOMMENDED**, with the following provisions:

1. wood lath barricades should be installed on either side of the pipeline R/W, in the vicinity of the archaeological sites, to preclude accidental ingress into the site areas by vehicular traffic during the installation of the pipeline.

2. the pipeline should be a surface line within the R/W area adjacent to the sites, to avoid the necessity of extra width for back-filling operations subsequent to trenching operations, with the consequent possibility of damage to artifact materials.

Date of Examination: May 2 & May 3, 1988.

Project Archaeologist: D.M. Griffiths.



Principal Investigator: D.M. Griffiths.

# ARCHAEOLOGICAL SURVEY CONSULTANTS

# CULTURAL RESOURCES EXAMINATION

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.: 88-73 (McKay Oil  
Corp. pipeline R/W for the  
M. & M. Federal Well No. 5)

1. **ABSTRACT:** intensive archaeological survey of the McKay Oil Corporation pipeline R/W for the M. & M. Federal Well No. 5; a R/W 2760 ft. long x 100 ft. wide, with a total federal land surface of 6.34 acres, was inspected for cultural remains.

Archaeological survey of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5 revealed the occurrence of 14, widely scattered, Isolated Manifestations (all lithic debris, except for 3 biface fragments), none of which appear significant past the level of field recording.

In addition, archaeological survey of the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5 revealed the occurrence of 2 BLM, Category 2, archaeological sites (ASC 88-73-S1 & ASC 88-73-S2), both consisting of **limited activity locales** (Type 4A & 4C, respectively; Kernner & Kearns 1984).

The pipeline R/W was re-routed to avoid the two archaeological sites. Therefore, archaeological **CLEARANCE** for the McKay Oil Corporation Pipeline R/W for the M. & M. Federal Well No. 5 is **RECOMMENDED**, with the following provisions:

1. wood lath barricades should be installed on either side of the pipeline R/W, in the vicinity of the archaeological sites, to preclude accidental ingress into the site areas by vehicular traffic during the installation of the pipeline.

2. the pipeline should be a surface line within the R/W area adjacent to the sites, to avoid the necessity for extra width for back-filling operations subsequent to trenching operations, and the consequent possibility of damage to artifact materials.

3. **LEGAL LOCATION:** T6S, R23E, Section 19; SW/4NE/4NE/4; NW/4NE/4NE/4, Section 18; SW/4SE/4SE/4; NE/4SE/4SE/4; SW/4NE/4SE/4, Chaves County, New Mexico.

U.S.G.S. 7.5 minute series, MESA, SW, NEW MEXICO, 1962.

4. **LAND STATUS:** Section 18, and the NE/4 of Section 19 (T6S, R23E): BLM, Roswell District/Roswell Resource Area, New Mexico.

5. **PROJECT DESCRIPTION:** pipeline R/W, 2760 ft. long x 100 ft. wide, with a total federal land surface of 6.34 acres, inspected for cultural remains.

6. **TOPOGRAPHY:** situated on the south, southeast, and southwest slope of a south trending ridge, ca. 3000 ft. east of the Arroyo del Macho. Small fairly densely vegetated swales (sinks?) occur in the more level part of the ridge traversed by the pipeline in Section 18, especially to the east/southeast of an isolated knoll west of the well in Section 18. Elsewhere, the surface has very a high visibility, with exposure of gypsiferous soils and gypsum outcrops. The area between the fenceline and the well pad is subject to extensive sheet wash, and there are incipient arroyos along a two-track road south of the fenceline. The terrain has little relief in the vicinity of the pipeline R/W, except for the knoll, noted above. **Soils:** within an area of Hollomex-moist Milner-Reeves soils. **Nearest permanent water:** Pecos River, ca. 24 miles east. **Other potential water source:** Arroyo del Macho, ca. 3000 ft., azimuth of 250 degrees. **Elevation:** 4089 ft. to 4135 ft. **Slope:** 0.51 to 4.57 degrees. **Strike (aspect):** SW. **Lithic Resource Material:** does not outcrop in the immediate vicinity.

7. **VEGETATION:** Grassland Formation (4), Mixed Grass-Scrub or Scrub-grass scrub disclimax community.

8. **EXAMINATION PROCEDURE:** straight and zig-zag transects, spaced no further than 15 metres apart, with dog-leash transects in the area of Isolated Manifestations, and the sites. The pipeline centreline was pin-flagged by the client. Ca. **29.5 work hours** on ground.

9. **VISIBILITY:** ground, variable from 65% to 100% in denuded areas; weather, sunny.

ARCHAEOLOGICAL SURVEY of the MCKAY OIL CORPORATION  
PIPELINE R/W for the M. & M. FEDERAL WELL NO. 5  
T6S, R23E, SECTION 19 & SECTION 18.  
CHAVES COUNTY, NEW MEXICO

FEDERAL LAND SURFACE (USGS 7.5', MESA, SW, N.M., 1982)

ASC Report 88-73

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

ARCHAEOLOGICAL SURVEY CONSULTANTS  
P.O. Drawer D, Roswell, New Mexico 88202  
(505) 823-5012

PERMIT NO.: 18-2920-88-C

May 17, 1988

Prepared for:

McKay Oil Corporation  
P.O. Box 2014  
Roswell, New Mexico 88202

Attention: Jim Schuitz

Distribution:

~~McKay Oil Corporation (1)~~  
BLM - Roswell Resource Area (2)  
New Mexico SHPO (1)  
Griffiths (1)