

1/13/98:

Attention: Mike Stogner

Mike:

Lynx is submitting the attached request for unorthodox location. As we discussed, there is a shut-in injection well on this lease covered by R-2403. You indicated that you were in possession of this order and would hold it until you received this application. You wanted to make certain, I believe, that this application was necessary.

As you requested, you may reach me at 505-392-6950 between the hours of 8 a.m. and 12:30 p.m. (I'm a part-timer).

Thanks for your help. You have been very helpful and patient.

Sincerely,

Debbie McKelvey

NSL 2/12/98

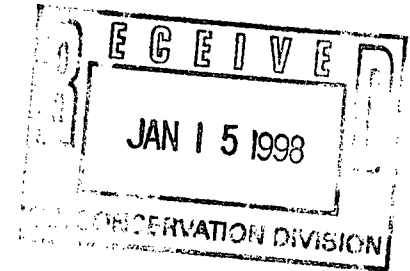
Lynx Petroleum Consultants, Inc.

P. O. Box 1708
3325 Enterprise Drive
Hobbs, New Mexico 88241

505 392-6950

Fax: 505 392-7886

January 13, 1998



Attention: Mr. Mike Stogner
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Re: Unorthodox Location
Lynx Federal No. 10
Maljamar Grayburg-San Andres Pool
Lea County, New Mexico

See Quaker
No.
R-2403

Dear Mr. Stogner:

Lynx Petroleum Consultants, Inc. requests administrative approval for the subject unorthodox location. The location of the proposed well is as follows:

Lynx Federal No. 10
1180' FSL & 2330' FWL
Section 15, T-17S, R-32E
Federal Lease No.: LC-054687

Application is made, according to Rule 104.F(2), based on geologic conditions. The Maljamar Grayburg-San Andres Pool consists of zones of alternating sands, dolomite sands, and dolomites. These layered intervals have been found to be lenticular in nature and may not all be continuous from one 40-acre location to the next. Other operators in the area have proven this fact by infill drilling on 20-acre spacings and finding new lenses within the pool. Our plans are to produce the proposed well for a few years and eventually convert this well to water injection to recover secondary oil. This plan of development will maximize oil recovery and avoid waste.

As the proposed Lynx Federal No. 10 well is an infill well to our No. 1, No. 3, No. 4, and No. 8, there are no other affected parties.

Attached are the Application to Drill, a C-102 showing the spacing unit for the proposed well, an ownership map showing the surrounding leases, and an Administrative Application Coversheet.

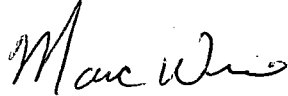
Your earliest consideration of this request will be appreciated. Our anticipated spud date is mid-February.

Mr. Mike Stogner
Oil Conservation Division
Page 2
January 13, 1998

If you have any questions or require additional data, please contact me at 505-392-6950.

Sincerely,

LYNX PETROLEUM CONSULTANTS, INC.

A handwritten signature in cursive script, appearing to read "Marc Wise".

Marc Wise

Attachments

MW/dm

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling
☒ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☒ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Marc Wise
 Print or Type Name

Marc Wise
 Signature

President
 Title

1/13/98
 Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Lynx Petroleum Consultants, Inc.

3. ADDRESS AND TELEPHONE NO.

P.O. Box 1708, Hobbs, NM 88241 (505) 392-6950

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1180' FSL and 2330' FWL

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

1.5 miles south of Maljamar, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1180'

16. NO. OF ACRES IN LEASE

400

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

825'

19. PROPOSED DEPTH

4400'

20. ROTARY OR CABLE TOOLS

Rotary

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

22. APPROX. DATE WORK WILL START*

2-10-98

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" K-55	24#	850'	300 sxs circ.
7 7/8"	5 1/2" K-55	15.5 # & 17#	4400'	750 sxs

It is proposed to drill a straight hole to a T.D. of 4400' to test the Grayburg-San Andres. Casing will be run through the deepest zone that appears commercial. A normal completion is proposed, perforate, stimulate and test. See attached "Supplemental Drilling Data", Surface Use Plan and BOP information.

An application for a Non-Standard Location will be filed with the OCD.

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

24.

SIGNED

Marc Wine

TITLE President

DATE

12/31/97

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

DATE

*See Instructions On Reverse Side

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

NOTICE OF STAKING
NOT TO BE USED IN PLACE OF APPLICATION FOR PERMIT TO DRILL (FORM 3160-3)

1 OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6 LEASE NUMBER LC 054687	
2 NAME OF OPERATOR Lynx Petroleum Consultants		7 IF INDIAN, ALLOTTE OR TRIBE NAME	
3 NAME OF SPECIFIC CONTACT PERSON: Marc Wise		8 UNIT AGREEMENT NAME	
4 ADDRESS & PHONE No. OF OPERATOR OR AGENT P.O. Box 1708 Hobbs, NM 88241 505-392-6950		9 FARM OR LEASE NAME Lynx Federal	
5 SURFACE LOCATION OF WELL ATTACH: A) SKETCH SHOWING ROAD ENTRY INTO PAD, PAD DIMENSIONS AND RESERVE PIT. B) TOPOGRAPHICAL OR OTHER ACCEPTABLE MAP SHOWING LOCATION, ACCESS ROAD, AND LEASE BOUNDARIES		10 WELL NO. 10 11 FIELD OR WILDCAT NAME Maljamar GB-SA 12 SEC., T., R. OR BLK AND SURVEY OR AREA 1180' FSL & 2330' FWL Sec. 15, T-17S, R-32E	
13 FORMATION OBJECTIVE(S) Grayburg-San Andres	14 ESTIMATED WELL DEPTH 4400'	15 COUNTY, PARISH OR BOROUGH Lea	16 STATE NM
17 Additional information (as appropriate, must include surface owner's name, address, and telephone number).			

SIGNED

TITLE

DATE

Marc Wise

President

12/31/97

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

Operators must consider the following prior to the onsite:

- A) H₂S Potential
- B) Cultural Resources (Archeology)
- C) Federal Right of Way or Special Use Permit

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

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

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 43329	Pool Name Maljamar GB-SA
Property Code 005988	Property Name LYNX FEDERAL	Well Number 10
OGRID No. 013645	Operator Name LYNX PETROLEUM	Elevation 4030

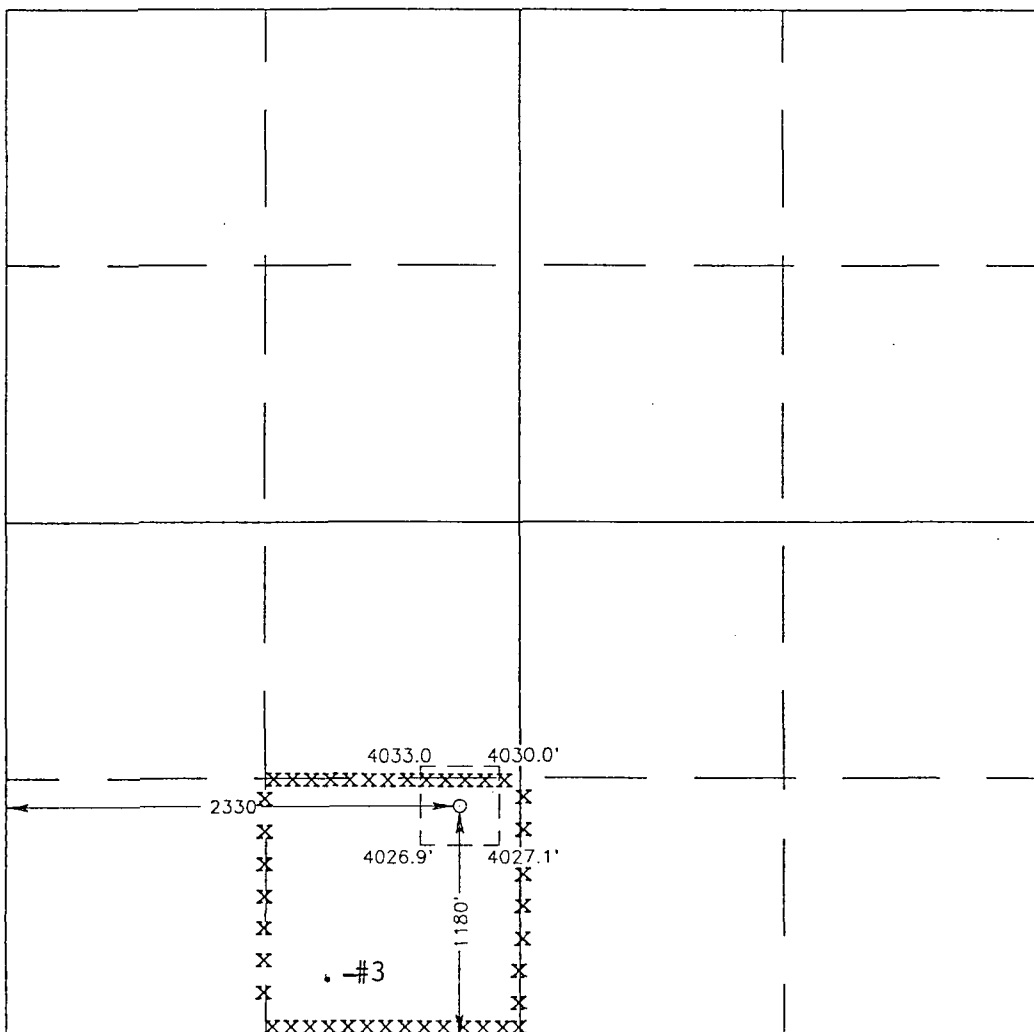
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	15	17 S	32 E		1180	SOUTH	2330	WEST	LEA

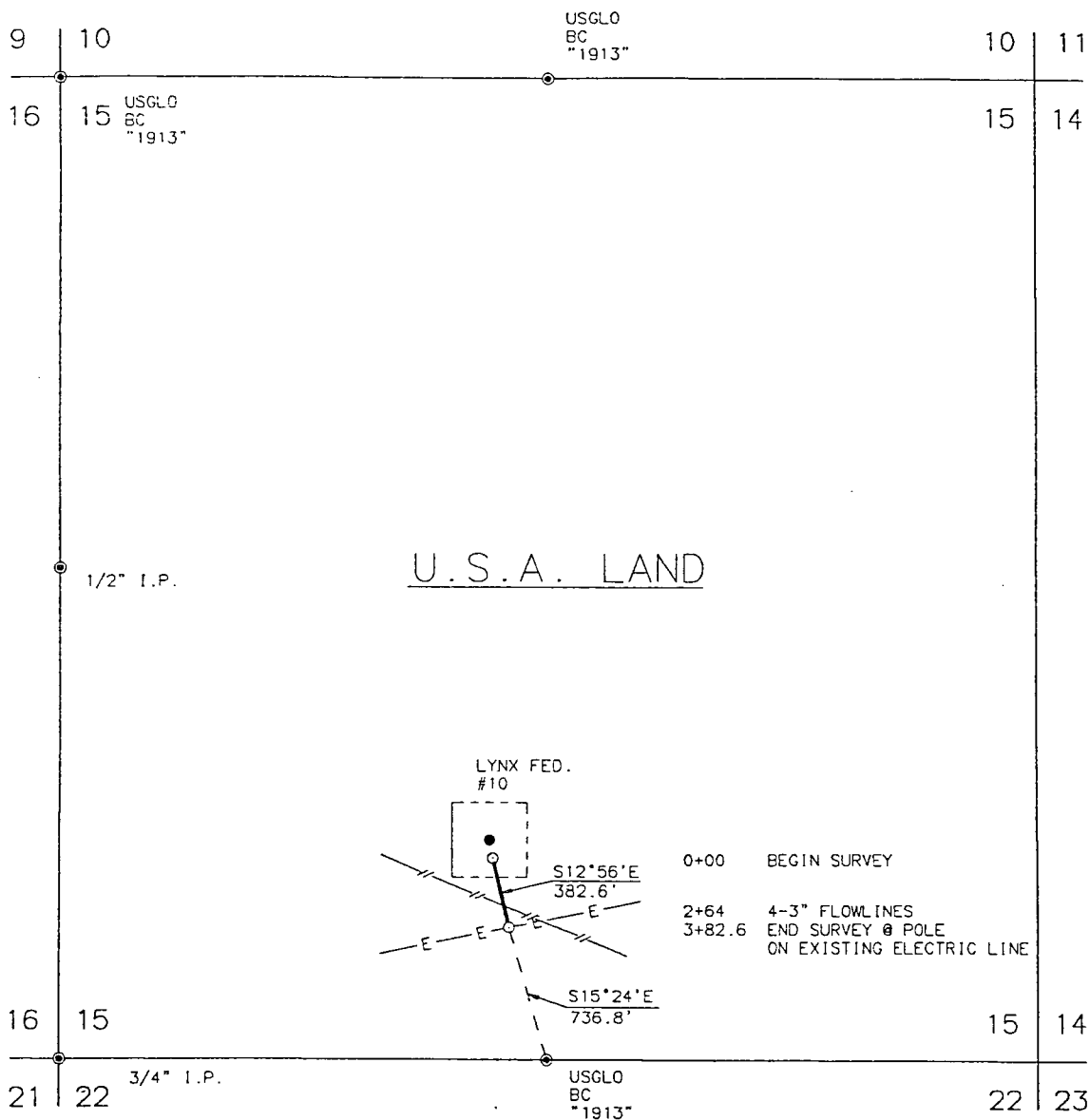
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

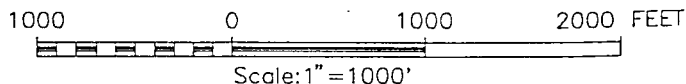
	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>Marc Wise</u> Signature</p> <p><u>Marc Wise</u> Printed Name</p> <p><u>President</u> Title</p> <p><u>12/31/97</u> Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>DECEMBER 18, 1997</p> <p>Date Surveyed _____ DMCC</p> <p>Signature & Seal Professional Surveyor <u>Ronald E. Eidson</u> NEW MEXICO 3239 12-22-97</p> <p>Certificate No. JOHN W. WEST 676 RONALD E. EIDSON 3239 PROFESSIONAL SURVEYOR 12641</p>

SECTION 15, TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



DESCRIPTION

A STRIP OF LAND 50.0 FEET WIDE, 382.6 FEET OF 0.072 MILES IN LENGTH AND BEING 25.0 FEET LEFT AND 25.0 FEET RIGHT OF THE ABOVE CENTERLINE SURVEY.



LYNX PETROLEUM

AN ELECTRIC LINE CROSSING U.S.A. LAND IN
SECTION 15,
TOWNSHIP 17 SOUTH,
RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

I HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

Ronald L. Eison
RONALD L. EISON, N.M. P.S.
GARY C. EIDSON, N.M. P.S.

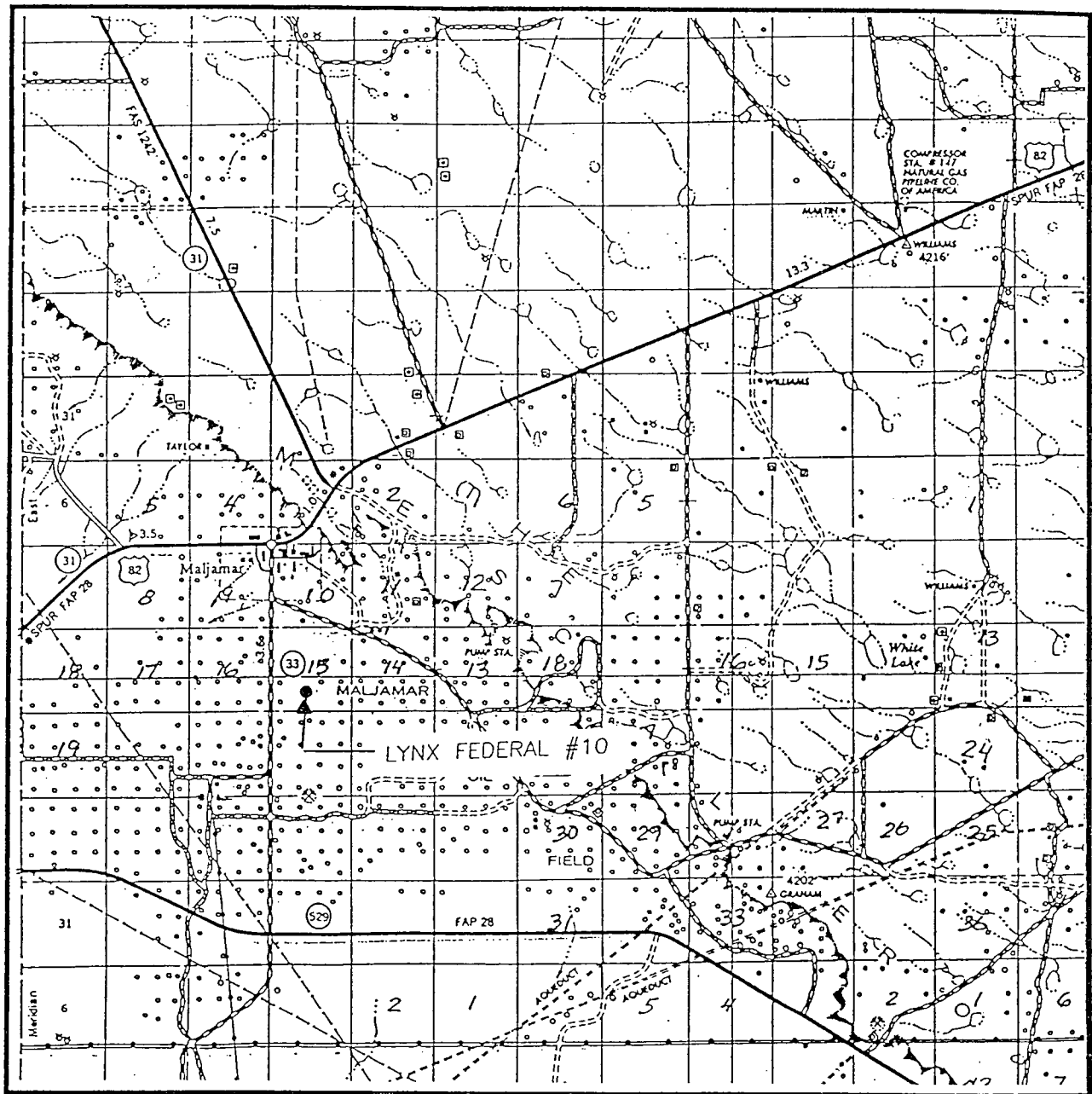
12-22-97

No. 3239
No. 12641

JOHN W. WEST ENGINEERING COMPANY
CONSULTING ENGINEERS & SURVEYORS - HOBBS, NEW MEXICO

Survey Date: 12/18/97	Sheet 1 of 1 Sheets
W.O. Number: 97-11-2039	Drawn By: D.McCARLEY
Date: 12/19/97 LYNX	LYNX2039 Scale: 1"=1000'

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 15 TWP. 17-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1180' FSL & 2330' FWL

ELEVATION 4030

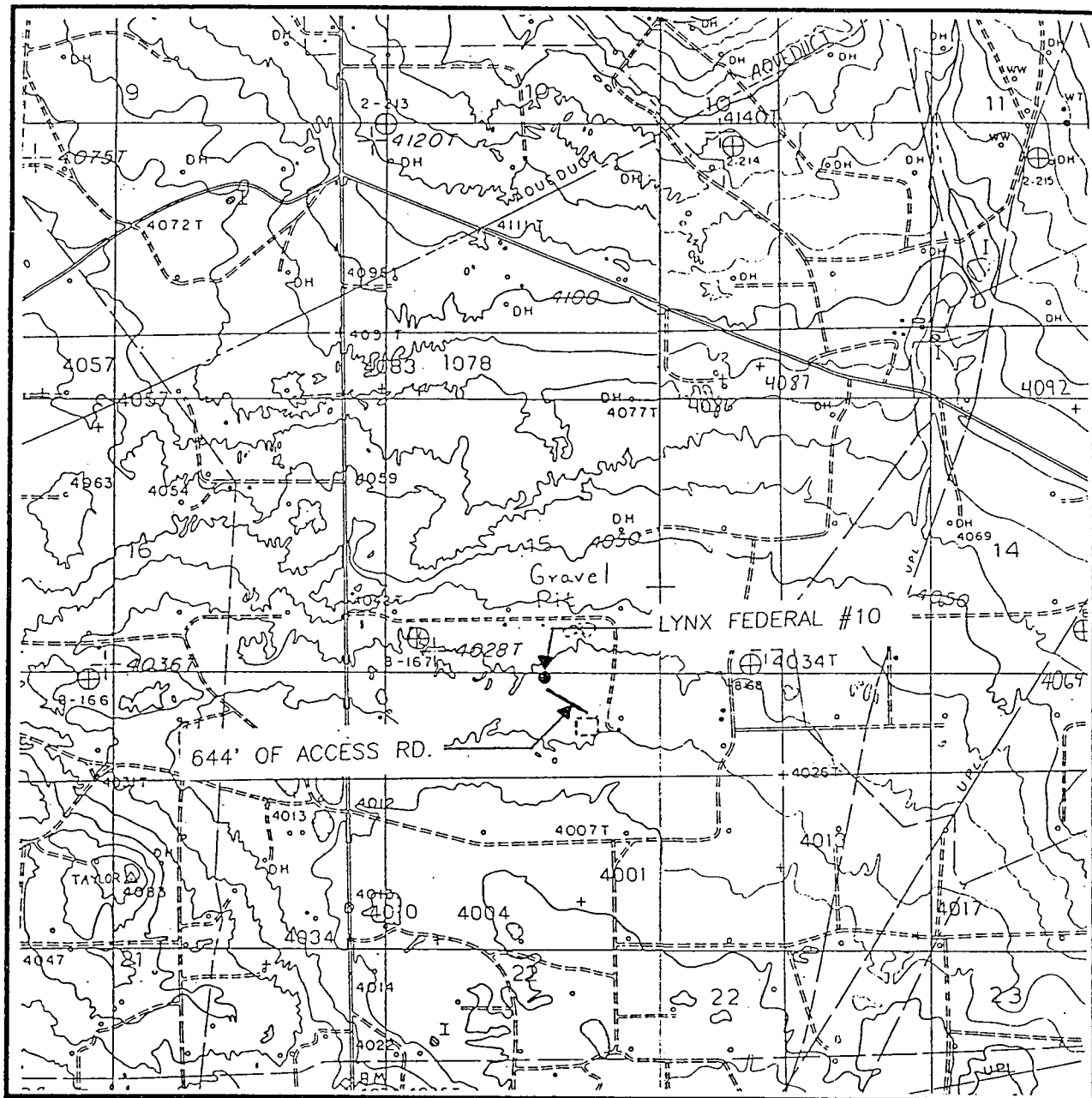
OPERATOR LYNX PETROLEUM

LEASE LYNX FEDERAL

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO

(505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
DOG LAKE - 10'
WITH 5' SUPPL.
MALJAMAR - 10'

SEC. 15 TWP. 17-S. RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1180' FSL & 2330' FWL

ELEVATION 4030

OPERATOR LYNX PETROLEUM

LEASE LYNX FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

DOG LAKE, MALJAMAR, N.M.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO

(505) 393-3117

SUPPLEMENTAL DRILLING DATA

Lynx Petroleum Consultants, Inc.
Lynx Federal No. 10
1180' FSL and 2,330' FWL
Section 15, T-17S, R-32E
Lea County, NM

The following items supplement Form 3160-3 in accordance with instructions contained in Onshore Oil and Gas Orders #1 and #2, and all other applicable federal and state regulations.

1. SURFACE FORMATION : Triassic Age

2. ESTIMATED TOPS OF GEOLOGICAL MARKERS :

Rustler Anhy.	-	820'
Yates	-	2,160'
Seven Rivers	-	2,510'
Queen	-	3,125'
Grayburg	-	3,525'
San Andres	-	3,900'

3. ESTIMATED DEPTHS TO WATER, OIL, OR GAS FORMATIONS :

Fresh Water	-	Not in the water basin
Gas	-	3,125' in the Queen sand
* Oil, Gas, and Water	-	3,525'-4,350' in the Grayburg and San Andres

* Productive horizons to be protected by 5 1/2" casing and cement tied back to base of salt at approximately 2,070'.

4. PROPOSED CASING PROGRAM : See Form 3160-3.

5. PRESSURE CONTROL EQUIPMENT : A blowout preventor stack will consist of at least a double-ram blowout preventor rated to 3000 psi working pressure. A sketch of the B.O.P. and Choke Manifold are shown in Exhibits #1 and #1A.

6. CIRCULATING MEDIUMS : Natural fresh water mud will be used to 850'. Brine water will be used to 3,500'. Additives will be used as recommended by the engineer. The Grayburg-San Andres portion of the hole will be drilled using a salt-gel system with mud weight of 10#/gal.

7. AUXILIARY EQUIPMENT : Full opening Kelly cock, to fit the drill string in use, will be kept on the rig floor at all times.

8. TESTING, LOGGING, AND CORING PROGRAM :

- Samples - Run samples at 10' intervals from 2,000' to T.D.
- D.S.T.'s - Possible D.S.T. in Queen zone.
- Logging - Gamma Ray, Compensated Neutron, Formation Density, Dual Laterolog, and Caliper run from T.D. to 850'.
- Coring - None planned.

9. ABNORMAL PRESSURES AND TEMPERATURES : None anticipated.
Maximum bottom hole pressure should not exceed 1,900 psi.

10. ANTICIPATED STARTING DATE : Drilling will commence about February 15, 1998. Drilling should be complete within 14 days. Completion operations (perforations and stimulation) will follow drilling operations.

SURFACE USE PLAN

Lynx Petroleum Consultants, Inc.
Lynx Federal No. 10
1,180' FSL and 2,330' FWL
Section 15, T-17S, R-32E
Lea County, NM

This plan is submitted with the "Application for Permit to Drill" the subject well. The purpose of the plan is to determine the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation, so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS :

- A. The proposed wellsite is 1,180' FSL and 2,330' FWL of Section 15, T-17S, R-32E, Lea County, NM.
- B. Exhibit "2" is a portion of a road map showing the proposed location, existing roads, and the proposed access road. The well is approximately 1.5 miles south of Maljamar, NM.
- C. Directions : Travel 1.5 miles south of Maljamar, NM on County Road 126, east $\frac{1}{2}$ mi., south $\frac{1}{4}$ mi. and northwest $\frac{1}{4}$ mi.

2. PLANNED ACCESS ROAD :

- A. Length and Width : Access from existing roads will necessitate 700' of new road. The road will be bladed 12' wide with 2' shoulders.
- B. Turnouts : None.
- C. Drainage Design : Road will have a drop of 2" from the center line on each side.
- D. Culverts, Cuts, and Fills : None.
- E. Surfacing Material : Four inches of caliche, bladed, watered, and compacted.
- F. Gates, Cattleguards, and Fences : None.
- G. The proposed road is staked.

3. LOCATION OF EXISTING WELLS :

- A. Existing wells are shown on Exhibit "3".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES :

- A. Existing Facilities : 660' FSL and 2,310' FEL, Section 15, T-17S, R-32E.
- B. New Facilities : None.

5. LOCATION AND TYPE OF WATER SUPPLY :

- A. Water will be purchased from a commercial source and transported over existing roads and the new access road to the wellsite.

6. SOURCE OF CONSTRUCTION MATERIAL :

- A. Caliche will be hauled from a Federal pit in the NW/4 NW/4, Section 33, T-17S, R-32E, Lea County, NM.

7. METHODS OF HANDLING WASTE DISPOSAL :

- A. Drill cuttings will be disposed of in the drill pit.
- B. Drilling fluids will be allowed to evaporate in the drill pits until the pits are dry.
- C. Water produced during testing will be disposed of in the drill pits. Oil produced during testing will be stored in the test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper and garbage will be contained in a fenced trash trailer and disposed of in an approved landfill.

8. ANCILLARY FACILITIES :

- A. None required.

9. WELLSITE LAYOUT :

- A. Exhibit "4" indicates the relative location and dimensions of the well pad, mud pits, reserve pit and major rig equipment.
- B. The reserve pit (If needed) will be lined with plastic to prevent loss of water and contain the drilling mud.

10. PLANS FOR RESTORATION OF THE SURFACE :

- A. After completion of drilling and/or completion operations all equipment and other material not needed for producing operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are backfilled.
- C. If the well is non-productive, the disturbed area will be rehabilitated to Federal Agency requirements, and will be accomplished as expeditiously as possible.

11. OTHER INFORMATION :

- A. Terrain : Flat with sand dunes.
- B. Soil : Sandy.
- C. Vegetation : Mesquite, scrub oak, and grasses.
- D. Surface Use : Grazing
- E. Ponds and Streams : None within 1.0 mile.
- F. Water Wells : None within 1.0 mile.
- G. Residences and Buildings : None within 1.0 mile.
- H. Arroyos, Canyons, Etc. : None within 1.0 mile.

11. OTHER INFORMATION : (Continued)

- I. Well Sign : A sign identifying and locating the well will be maintained at the wellsite.
- J. Archeological, Historical and Other Cultural Sites : An agent with the Desert West Archaeological Services conducted an archeological survey of the access road, well pad, and powerline. They will furnish a report and recommendation to the B. L. M. in Carlsbad, NM.
- K. Surface Ownership : The access road, powerline, and wellsite are located on Public surface.

12. OPERATOR'S REPRESENTATIVE :

Marc Wise
P. O. Box 1708
Hobbs, NM 88241
Phone – (505) 392-6950
Fax – (505) 392-7886

13. CERTIFICATION :

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route ; that I am familiar with the conditions which presently exist ; that the statements made in this plan are, to the best of my knowledge, true and correct ; that the work associated with the operations proposed herein will be performed by LYNX PETROLEUM CONSULTANTS, INC. and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

1/2/98
DATE

Marc Wise
MARC WISE – PRESIDENT

PERTINENT INFORMATION

for

Lynx Petroleum Consultants, Inc.
Lynx Federal No. 10
1,180' FSL and 2,330' FWL
Section 15, T-17S, R-32E
Lea County, NM

LOCATED : 1.5 miles south of Maljamar, NM

FEDERAL LEASE NUMBER : LC 054687

LEASE ISSUED : October 15, 1937

RECORD LESSEE : William A. and Edward R. Hudson, et al.

BOND COVERAGE : \$ 50,000.00 New Mexico State – wide bond

SURFACE OWNERSHIP : Public

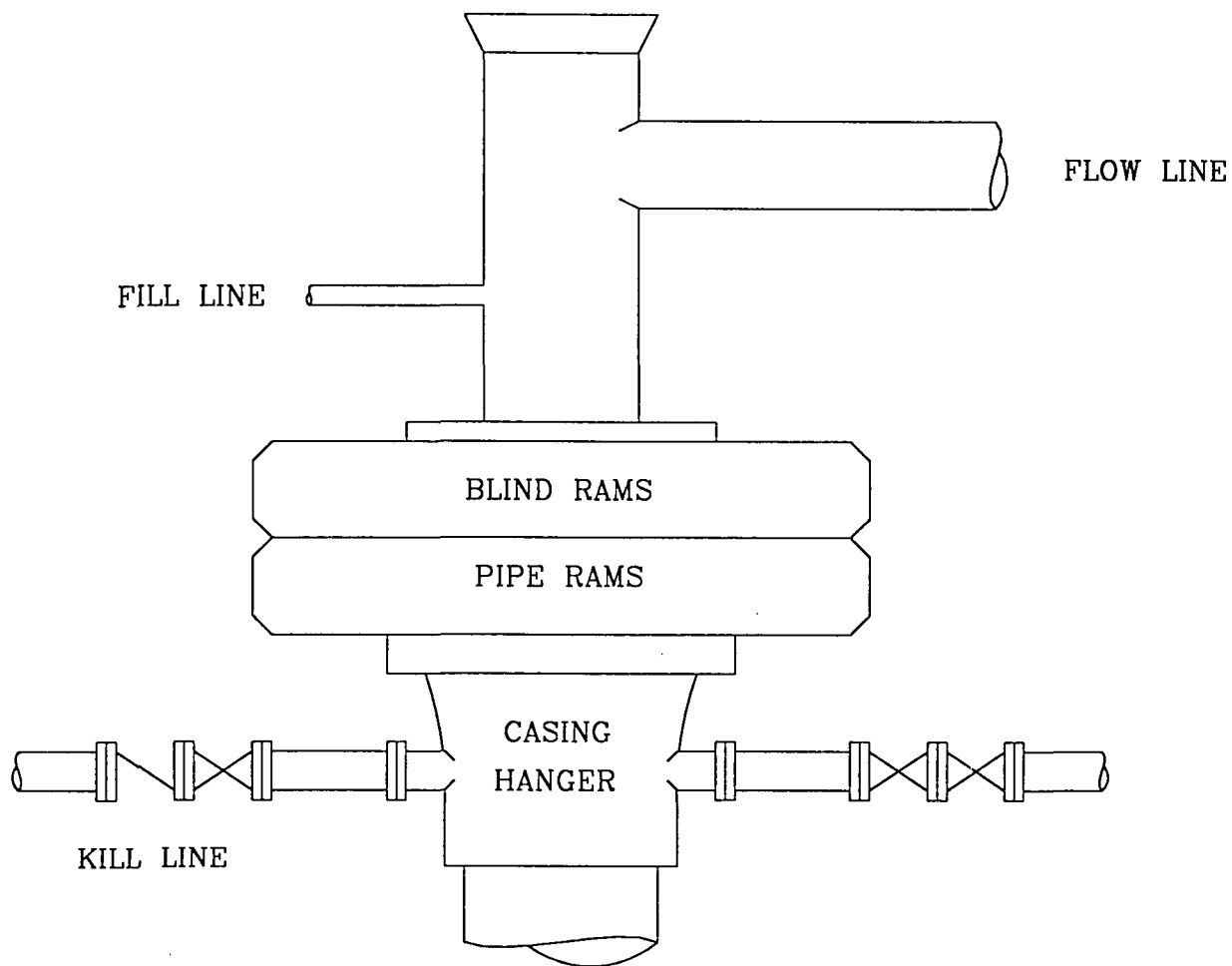
GRAZING LESSEE : Caswell Ranches

ACRES IN LEASE : 400

POOL RULES : General State – wide regulations

EXHIBITS :

1. Blowout Preventor Stack
- 1A. Choke Manifold
2. Road Map
3. Map of Existing Wells
4. Wellsite Layout



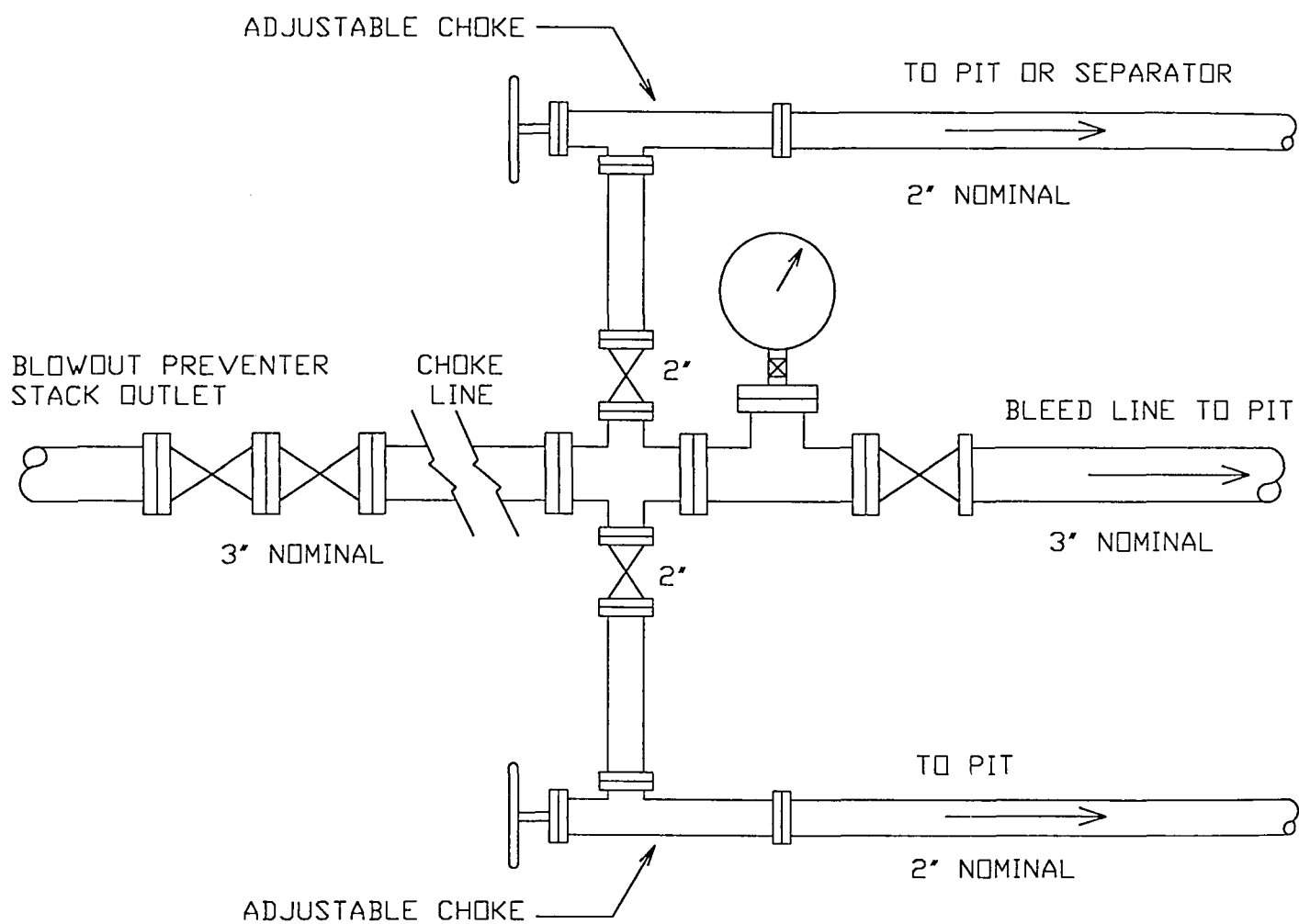
Location: SE/4, SW/4
 Sec. 15, T-17S, R-32E
 Lea County, NM

LYNX FEDERAL NO. 10
 BLOWOUT PREVENTER STACK

EXHIBIT NO. 1

12/24/97

Scale: None



3000 PSI WORKING PRESSURE

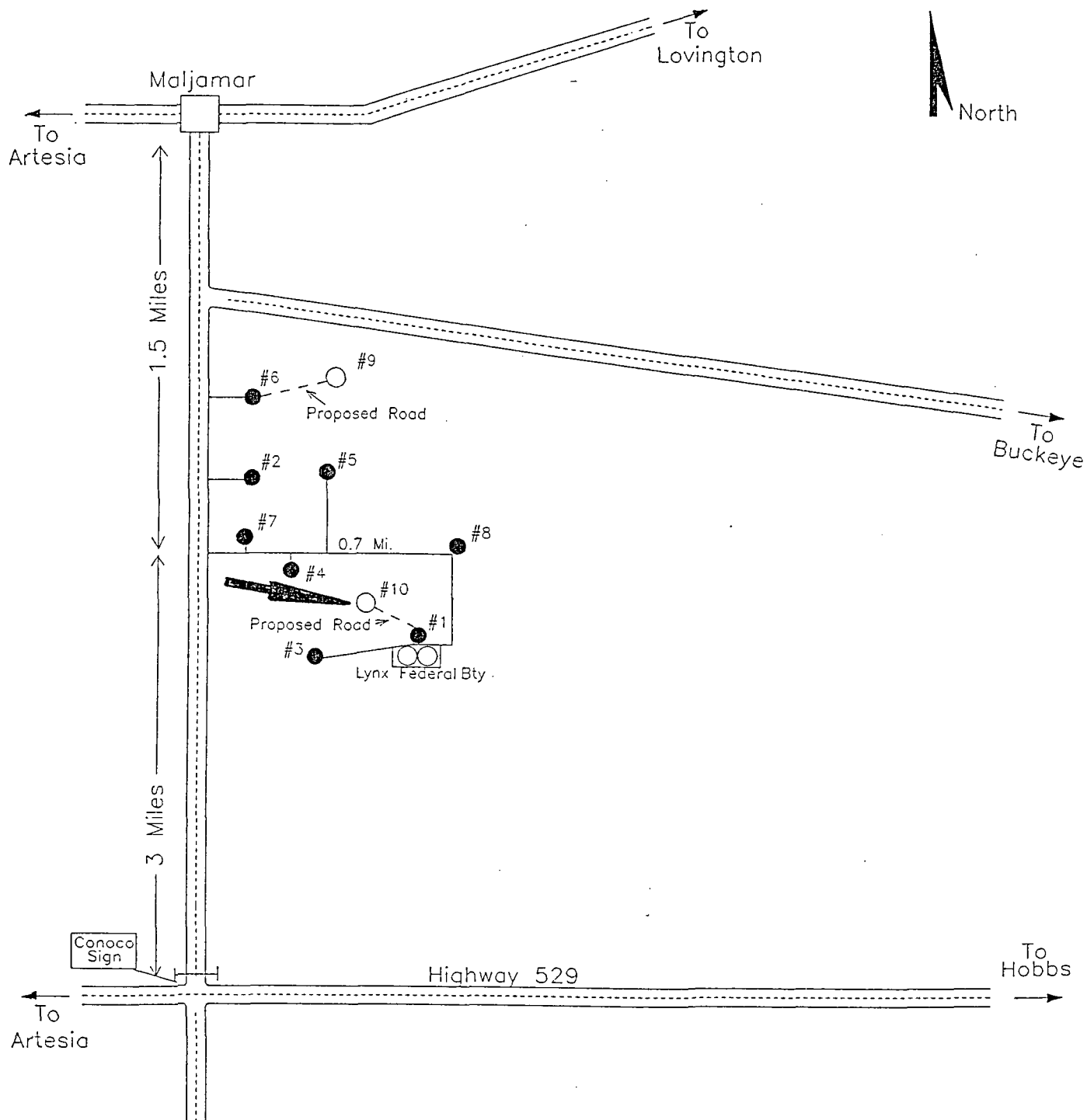
Location: SE/4, SW/4
 Sec. 15, T-17S, R-32E
 Lea County, NM

LYNX FEDERAL NO. 10
 CHOKE MANIFOLD DIAGRAM

EXHIBIT NO. 1A

12/24/97

Scale: None



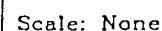
Location: SE/4 SW/4
 Sec. 15, T-17S, R-32E
 Lea County, NM

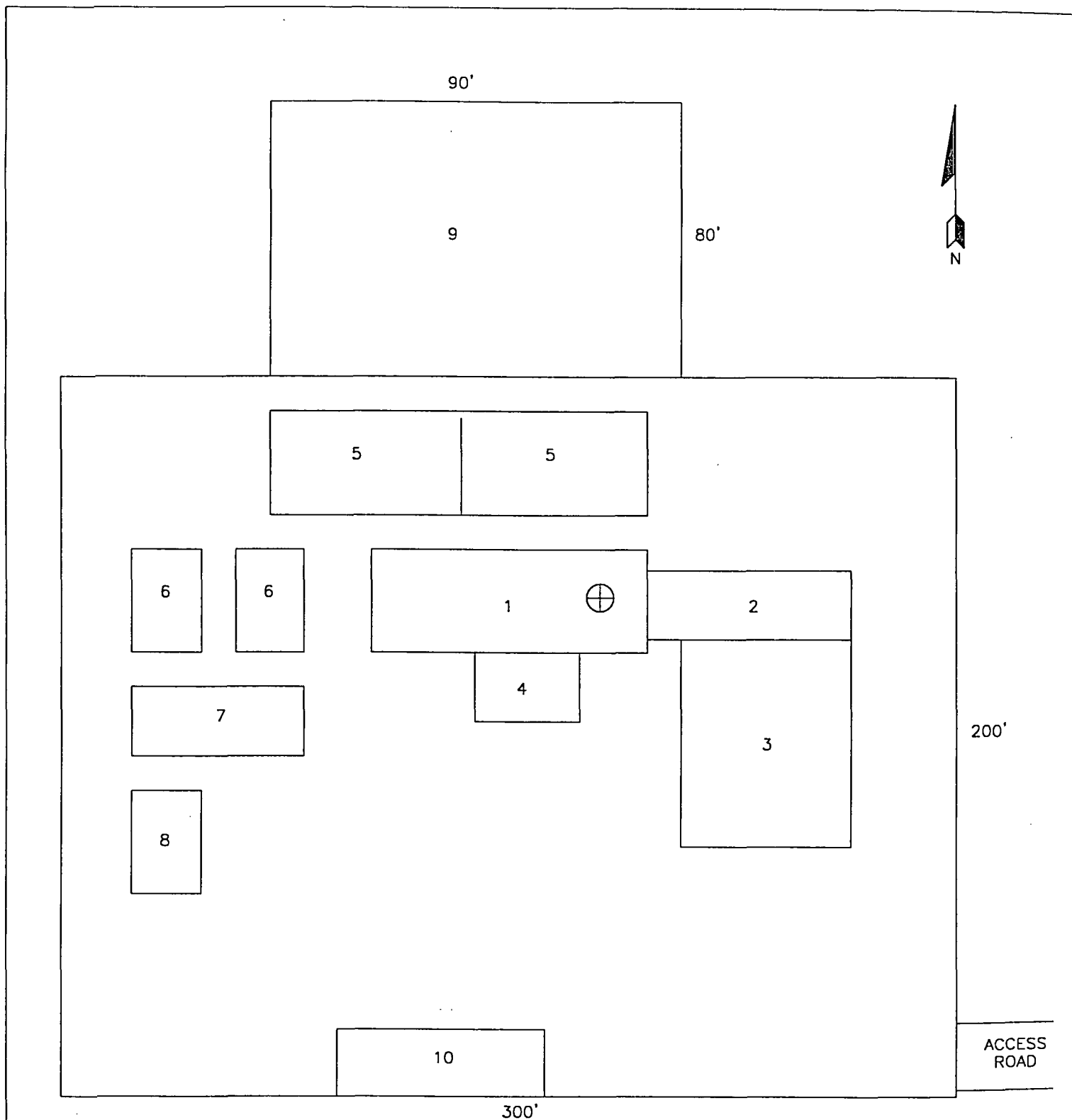
LYNX FEDERAL NO. 10 ROAD MAP

EXHIBIT NO. 2

12/24/97

Scale: None





- | | |
|-----------------|-------------------|
| 1. SUBSTRUCTURE | 6. MUD PUMPS |
| 2. CATWALK | 7. WATER TANK |
| 3. PIPE RACKS | 8. LIGHT PLANT |
| 4. DOGHOUSE | 9. RESERVE PIT |
| 5. MUD PITS | 10. TRAILER HOUSE |

Location: SE/4, SW/4
 Sec. 15, T-17S, R-32E
 Lea County, NM

LYNX FEDERAL NO. 10
 RIG LAYOUT

EXHIBIT NO. 4

12/24/97

Scale: None



Desert West

ARCHAEOLOGICAL SERVICES

December 23, 1997

Mr. Marc Wise
Lynx Petroleum
P.O. Box 1708
Hobbs, NM 88241

Dear Mr. Wise:

Enclosed please find your copy of Desert West Archaeological Services Clearance Report for Lynx Petroleum's proposed Federal No. 9 and No. 10 wells in Section 15, T17S, R32E. Three isolated occurrences were encountered during this survey. Archaeological clearance is recommended for this project as staked. No further archaeological work should be required.

The Bureau of Land Management will review this report and make the final decision on archaeological clearance.

If you have any questions, please call our office.

Sincerely,

Arita Slate

Enclosure

xc: Bureau of Land Management, Carlsbad Resource Area, Carlsbad, NM (2)

**TITLE PAGE/ABSTRACT/
NEGATIVE SITE REPORT
ROSWELL DISTRICT**

BLM/ RDO 1/95

1. BLM Report No.	2. (ACCEPTED) (REJECTED)	3. NMCRIS No. 59397
4. Title of Report (Project Title): Archaeological Survey of Lynx Petroleum's Proposed Lynx Federal No. 9 And No. 10 Wells And Associated Access Roads And Electric Lines In Section 15, T17S, R32E, NMPM, Lea County, NM.		5. Project Date(s): 12/22/97
		6. Report Date: 12/23/97
7. Consultant Name & Address: Direct Charge: J. K. Pete Finney Name: Desert West Archaeological Services Address: P.O. Box 645, Carlsbad, NM 88221 Authors Name: Raymond C. Medlock Field Personnel Names: Raymond C. Medlock, Richard Cook Phone (505) 887-7646		8. Permit No.: 123-2920-97-N
		9. Consultant Report No.: 97-42D
10. Sponsor Name and Address: Indiv. Responsible: Mr. Marc Wise Name: Lynx Petroleum Address: PO Box 1708 Hobbs, NM 88241 Phone (505) 392-6950		11. For BLM Use only.
		12 ACREAGE: Total No. of acres surveyed: 17.5 SURFACE OWNERSHIP: Federal: 17.5

13. Location: (Maps Attached if negative survey)

- a. State: NM
- b. County: Lea
- c. BLM District: Roswell
Resource Area: Carlsbad
- d. Nearest City or Town: Maljamar, NM
- e. Location:

Lynx Federal No. 9 - Well Pad footages: 660' FNL. 1980' FWL; T17S, R32E, Sec. 15

Well Pad: NW 1/4 NE 1/4 NW 1/4
NE 1/4 NE 1/4 NW 1/4
SE 1/4 NE 1/4 NW 1/4
SW 1/4 NE 1/4 NW 1/4
Access Road: SW 1/4 NW 1/4 NW 1/4
SE 1/4 NW 1/4 NW 1/4
SW 1/4 NE 1/4 NW 1/4
Electric Line: NW 1/4 NE 1/4 NW 1/4

Lynx Federal No. 10 - Well Pad footages: 1180' FSL. 2330' FWL; T17S, R32E, Sec. 15

Well Pad: SE 1/4 NE 1/4 SW 1/4
NE 1/4 SE 1/4 SW 1/4
Access Road: SW 1/4 SW 1/4 SE 1/4
NW 1/4 SW 1/4 SE 1/4
NE 1/4 SE 1/4 SW 1/4
Electric Line: NE 1/4 SE 1/4 SW 1/4

f. 7.5' Map Name(s) and Code Number(s): Maljamar, NM (Prov. Edition 1985); 32103-G7

g. Area: Lynx Federal No. 9 - Block: Impact: Unknown within staked area

Surveyed: 500' x 500'

Linear: Impact: Unknown within staked area

Surveyed: 1794' x 100'

Lynx Federal No. 10 - Block: Impact: Unknown within staked area

Surveyed: 500' x 500'

Linear: Impact: Unknown within staked area

Surveyed: 826.6' x 100'

14. a. Records Search:

Location : BLM and ARMS by Chris Owens

Date: December 19, 1997

List by LA # all sites within .25 miles of the project: LA 35594, LA 37336

(Those sites within 500' are to shown on the project map)

b. Description of Undertaking: Class III pedestrian survey of two proposed well pads, access roads, and electric lines.

c. Environmental Setting (NRCS soil designation; vegetative community; etc.):

Vegetation: Mesquite, sagebrush, shinnery oak, narrow-leaf yucca, snakeweed, bear grass, and various grasses.

Topography: Nearly level plain just below Mecalero Ridge which slopes gently to the southwest; elevation ranges from 4020' to 4070'; small dunes (one meter tall) and shallow blowouts are common.

NRCS: Pyote-Maljamar-Kermite association: Gently undulating and rolling, deep, sandy soils.

d. Field Methods: Straight line transects

Transect Intervals: 15 meters

Crew Size: 2

Time in Field: Survey - 1 1/2 hours

Collections: None

15. Cultural Resource Findings: None

a. Identification and description: (Location shown on Project map)

I.O. No. 1 - SE 1/4 NW 1/4 NW 1/4; near 2+50' of access road to Fed. No. 9
Retouched flake, chalcedony, 10% cortex, 26x35x13 mm.

I.O. No. 2 - NE 1/4 SE 1/4 NW 1/4; near northeast corner of Fed. No. 10

a. Flake, chalcedony, 10% cortex, 27x20x6 mm.

b. Flake, gray chert, 30% cortex, 20x18x4 mm.

I.O. No. 3 - NE 1/4 SE 1/4 NW 1/4; near north edge of Fed. No. 10

Burned caliche concentration, 10 large pieces in a roughly circular area 50 cm in diameter, about 20 smaller (pebble) pieces nearby, in a blowout bottom; no other artifacts associated; trowel test did not reveal any ash, charcoal, or subsurface remains; probably a deflated hearth.

16. Management Summary (Recommendations):

No Historic Properties were discovered during the cultural resource survey.

I certify that the information provided above is correct and accurate to the best of my knowledge and meets all appreciable BLM standards.

Responsible Archaeologist

RE Medlock
Signature

12/23/97
Date

