

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-043-20375

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Jordan Oil & Gas Co., c/o K & A, Inc. Minerals Management

3. ADDRESS OF OPERATOR

P. O. Box 529, Evansville, Wyoming 82636

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

At surface

M 685 FSL 330 FWL Sec. 12, T19N, R4W

At proposed prod. zone

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

20M: SW of Cuba, NM

15. DISTANCE FROM PROPOSED*

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

330

18. DISTANCE FROM PROPOSED LOCATION*

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

250

16. NO. OF ACRES IN LEASE

480

19. PROPOSED DEPTH

5800

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

6693 GR

22. APPROX. DATE WORK WILL START*

September 15, 1978

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/8	9 5/8	36	200	200
8 3/4	7	20 + 23	5800	To surface - 2 Stage

Operator proposes to drill a Jurassic test to 5,800'. Completion will be determined from logs. A series 900 (3,000 psi W.P.) blowout preventer will be installed on the surface pipe and will be tested to 500 psi before drilling the surface plug. The surface is the Lewis shale. Pertinent formation tops are estimated as Point Lookout 2255, Mancos 2402, Gallup 3244, Dakota 4490, and Entrada 5483. No abnormal formation pressures or temperatures are anticipated. Drilling should require approximately 15 days. Drilling mud will be approximately 9 lb., 36 vis.

This well will replace the Petro-Lewis Federal 12 No. 1

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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

TITLE Agent

DATE July 31, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

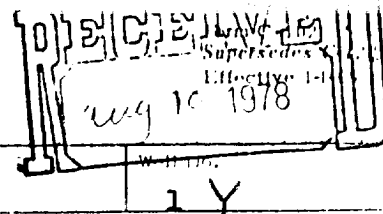
DATE

CONDITIONS OF APPROVAL, IF ANY:

AUG 14 1978

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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



Operator JORDAN OIL & GAS COMPANY		Lease FEDERAL 12		Well No. 1 Y
Unit Letter M	Section 12	Township 19N	Range 4W	County McKinley

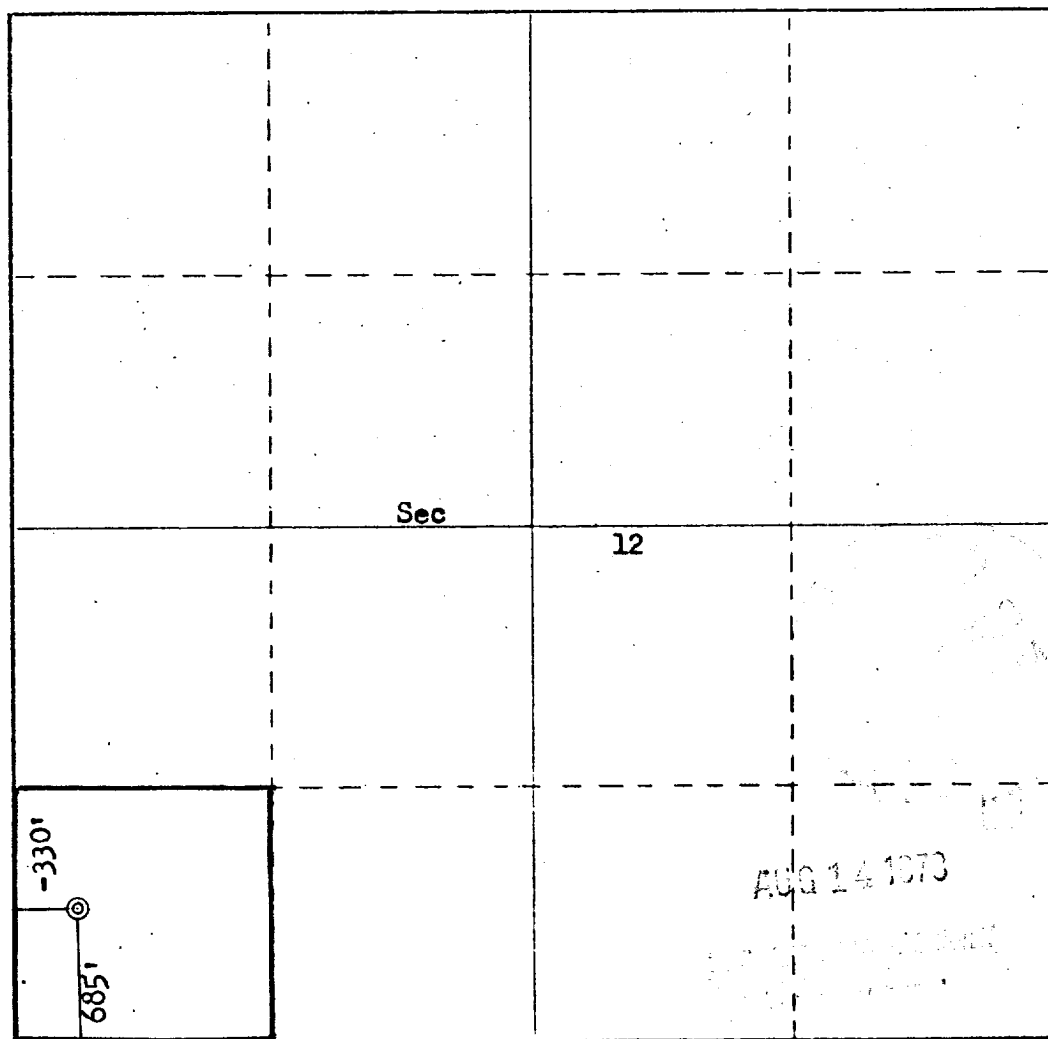
Actual Footage Location of Well:				
685	feet from the South	line and 330	feet from the West	line
Ground Level Elev. 6693	Producing Formation Entrada	Pool Eagle Mesa-Entrada	Dedicated Acreage: 40 Acres	

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

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

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

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



CERTIFICATION

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

Name

W. E. LANDRY

Position

Agent

Company

K&A, Inc., Minerals Management

Date

8/10/78

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

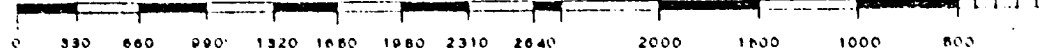
Date Surveyed

August 1978

Registered Professional Engineer and or Land Surveyor

Fred B. Kerr, Jr.
Certified Professional Engineer
No. 3950
B. KERR, JR.

3950



DEVELOPMENT PLAN FOR SURFACE USE

JORDAN OIL & GAS
FEDERAL 12 WELL NO. 1
685' FSL, 330 FWL, SECTION 12, T19N, R4W
SANDOVAL COUNTY, NEW MEXICO

1. Existing Roads

Roads to the location consist of State Highway 197 southwest of Cuba 15 miles, and the County road 4 miles toward the Ojo Encino school; then 1 mile west into the Eagle Mesa Field.

2. Planned Access Road

No new roads will be required.

3. Location of Existing Wells

The five wells of Eagle Mesa Field are shown on the area map.

4. Location of Proposed Facilities

Flow lines and tank battery will be on the location pad. Equipment and pits will be fenced as required for protection of livestock and wildlife.

5. Location and Type of Water Supply

Water will be obtained from the producing wells in the field.

6. Source of Construction Materials

Not applicable.

7. Methods of Handling Waste Disposal

Cuttings, drilling fluids and produced fluids will be retained in the reserve pit which will be fenced until sufficiently dry to permit closure with 4 feet of cover. There will be no sewage. Garbage and other waste material will be placed in the burn pit for disposal, and the non-burnable portion will be covered with 4 feet of earth at the termination of drilling operations. A portable toilet will be used. Well-site cleanup will commence immediately upon completion of drilling operations and following the rig move.

8. Ancillary Facilities

No camps or airstrips are proposed for this location.

AUG 14 1973

9. Well Site Layout

The selected well site is flat. The rig orientation is conventional with steel mud pits and unlined reserve pit to the left, facing the pipe racks from the drawworks. Exact placement is dependent upon the contractor available at time of drilling. Mud pumps and mud storage are to be located to the rear of the drawworks. Parking will be on the side opposite the reserve pit.

10. Plans for Restoration of Surface

Upon completion of drilling operations, the location will be cleaned and pits fenced for protection of livestock and wildlife. When the pits are adequately dry, the spoil will be adequately covered and the area not required for operations will be restored and reseeded in accordance with B.L.M. stipulations.

11. Other Information

This well is to be drilled as a replacement well for the temporarily abandoned Federal 12 No. 1 operated by Petro-Lewis Corp. It is atop a mesa, with sandy shale, with sparse sagebrush and blue grama vegetation, generally over-grazed by livestock. There are no nearby residences or stock pens. An archaeological study will be conducted and copy of the report will be furnished, as required.

12. Lessee's or Operator's Representative

K & A, Inc. Minerals Management
1960 First of Denver Plaza
633 - 17th. Street
Denver, Colorado 80202

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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; and that the work associated with the operations proposed herein will be performed by Worldwide Exploration Consultants, Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

August 10, 1978
(Date)

W.E. Landry
W.E. Landry - Agent

K & A, Inc. Minerals Management

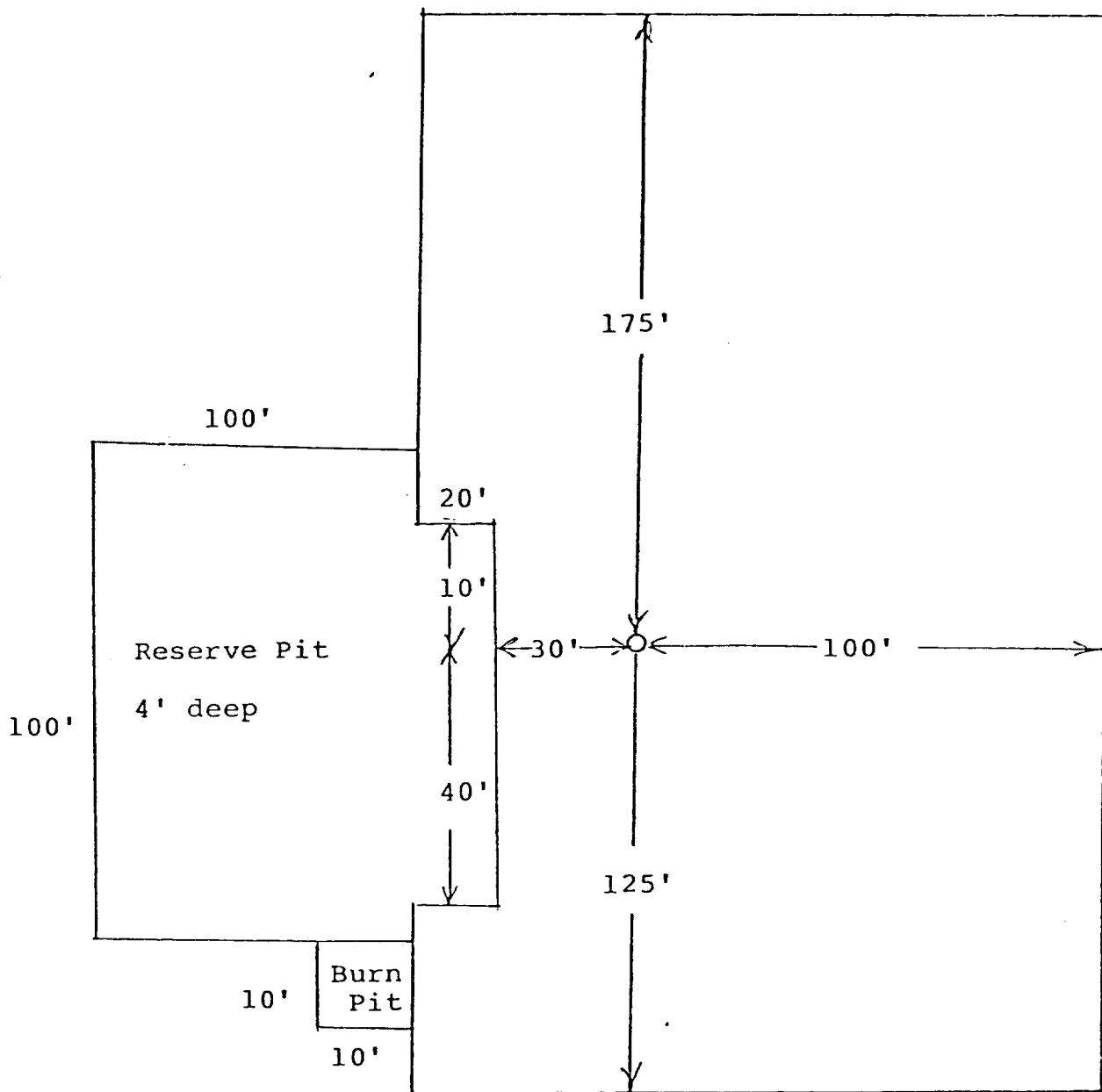
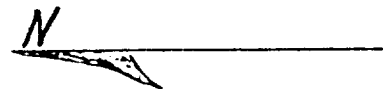
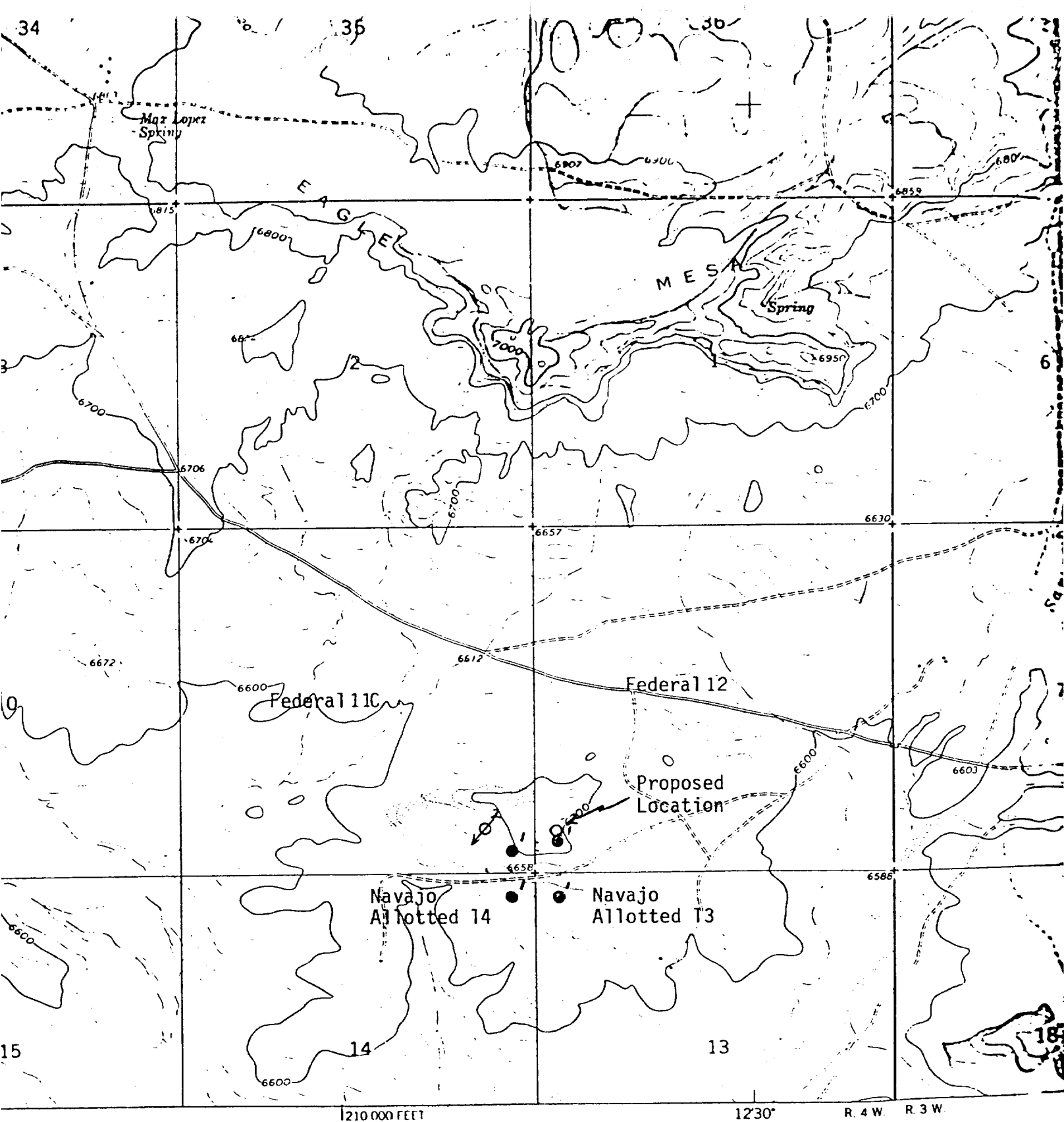


DIAGRAM OF WELL LOCATION

AUG 14 1973





edited, and published by the Geological Survey

ISGS and USC&GS

by photogrammetric methods from aerial

taken 1958 Field checked 1961

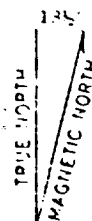
ection 1927 North American datum

t grid based on New Mexico coordinate system,

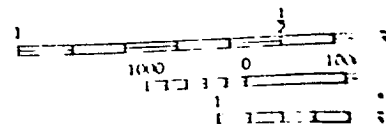
Universal Transverse Mercator grid ticks,

own in blue

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APPROXIMATE MEAN
DECLINATION, 1961



VICINITY MAP
TOM JORDAN OIL & GAS
FEDERAL 12 WELL NO.1
SW 1/4 Sec.12, T19N, R4W