

M.O.C.D. COPY

SUBMIT IN TRIPLICATE*

Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIORNM OIL CONG. COMMISSION
Drawer DD reverse side
Roswell, NM 88210

GEOLOGICAL SURVEY

30-015-23934

5. LEASE DESIGNATION AND SERIAL NO.

L.C. 065015

RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

SEP 23 1981

8. FARM OR LEASE NAME

FRIESS FEDERAL ARTESIA, OFFICE

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Grayburg-Jackson

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 30-17S-31E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

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

JACK PLEMONS ✓

Phone 505-677-3435

505-396-4334

3. ADDRESS OF OPERATOR

1010 West Ave H, Lovington, New Mexico 88260

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

At surface

330' FNL & 1411' FWL of Sec. 30-17S-31E

At proposed prod. zone
Same

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

3½ air miles east of Loco Hills, N. M.

15. DISTANCE FROM PROPOSED*

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

330

16. NO. OF ACRES IN LEASE

80

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.

660

19. PROPOSED DEPTH

3300' - San Andres

20. ROTARY OR CABLE TOOLS

Cable

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

3578 G.L.

22. APPROX. DATE WORK WILL START*

August 15, 1981

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	8 5/8"	24#	450	Sufficient to circulate
8"	5 1/2"	13#	3100	Sufficient to circulate

Well will be drilled to a depth of 3300' with cable tools and all potential zones will be evaluated. If commercial production is indicated above the shoe of the 5½" casing, it will be selectively perforated and stimulated. Any producible zone below 3100' will be an open hole completion.

Attached are: 1. Well Location and Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan

RECEIVED
JUL 17 1981OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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

James A. Knauf

TITLE

Agent

DATE

July 16, 1981

(This space for Federal or State office use)

APPROVED

PERMIT NO.

(Orig. Sgd.)

GEORGE H. STEWART

APPROVAL DATE

APPROVED BY

SEP 3 1981

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

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

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

All distances must be from the outer boundaries of the Section

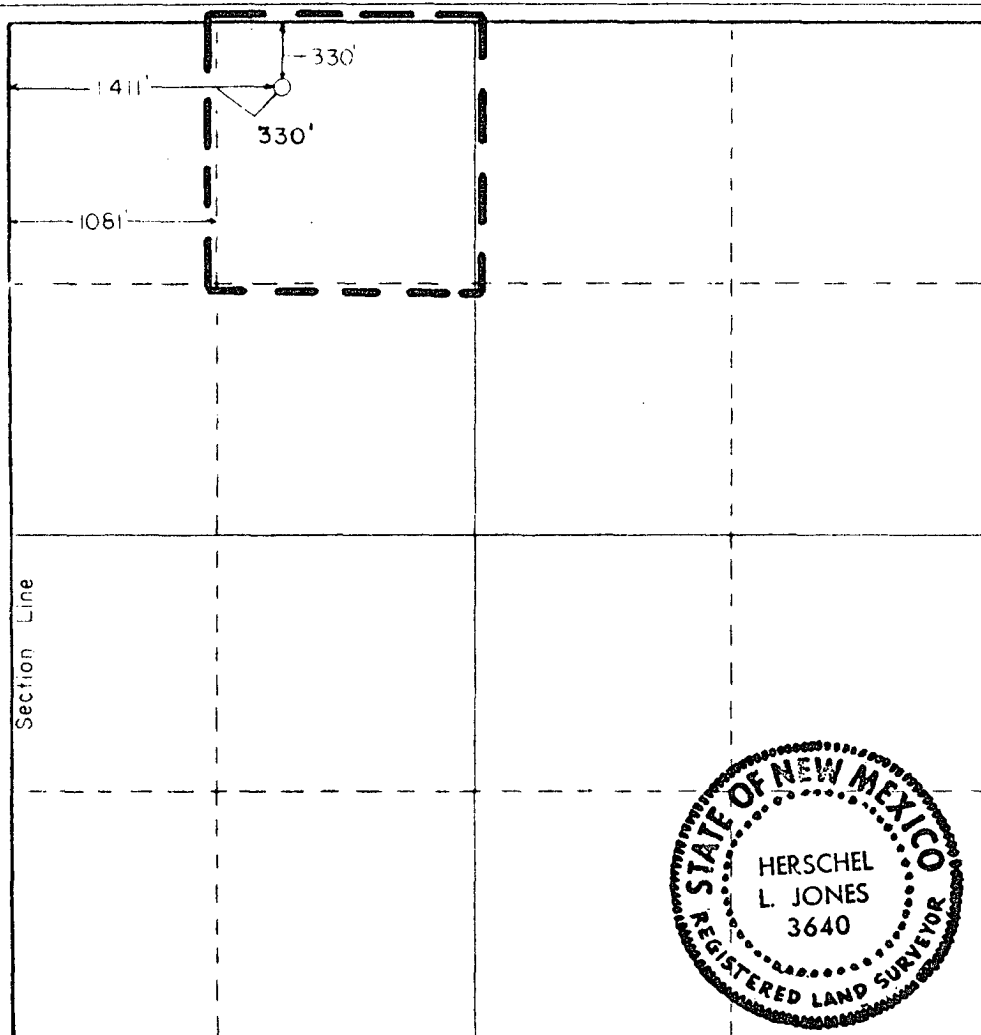
Operator JACK PLEMONS			Lease FRIESS FEDERAL		Well No. 5
Section Letter C	Section 30	Township 17 South	Range 31 East	County Eddy	
Actual Footage Location of Well: 330 feet from the North line and 1411 feet from the West line					
Ground Level Elev. 3578	Producing Formation Grayburg - San Andres	Pool Grayburg Jackson (Q-Gb-SA)		Dedicated Acreage: 40 Acres	

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

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

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.

James A. Knauf
Name

James A. Knauf

Position

Agent

Company

Jack Plemons

Date

June 24, 1981

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

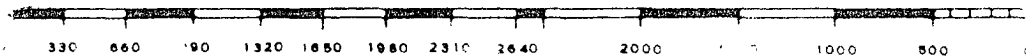
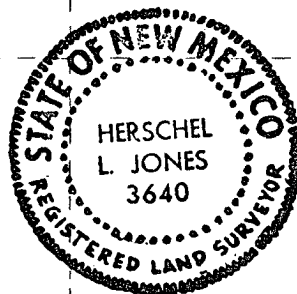
April 30, 1981

Registered Professional Engineer
and/or Land Surveyor

Herschel L. Jones

Certificate No.

3640



SUPPLEMENTAL DRILLING DATA

JACK PLEMONS
WELL NO. 5 FRIESS FEDERAL
330' FNL & 1411' FWL SEC. 30-17S-31E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Anhydrite	350'	Seven Rivers	1755'
Salt	495'	Queen	2425'
Base Salt	1200'	Grayburg	2810'
Yates	1400'	San Andres	3240'

3. ANTICIPATED POROSITY ZONES:

Water	155 - 160'	Oil	1970 - 2010'
	380 - 390'		2810 - 2830'
			3100 - 3240'

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>	<u>Condition</u>
8 5/8"	0 - 450'	24#	H-40	STC	Used
5 1/2"	0 - 3300'	13#	K-55	STC	New

5. SURFACE CONTROL EQUIPMENT: Pressure control valve and oil saver.

6. CIRCULATING MEDIUM: Not applicable for cable tool hole.

7. AUXILIARY EQUIPMENT: None considered necessary on shallow development well.

8. LOGGING PROGRAM: Gamma Ray Log will be run to TD.

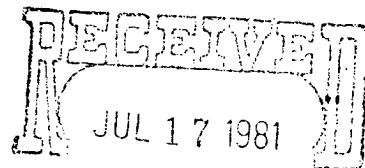
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about August 15, 1981. Duration of drilling and completion operations should be 30 to 50 days.

SURFACE USE PLAN

FOR

DRILLING, COMPLETING AND PRODUCING



OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

JACK PLEMONS
WELL NO. 5 FRIESS FEDERAL
330' FNL & 1411' FWL SEC. 30-17S-31E
EDDY COUNTY, NEW MEXICO

LOCATED: 3½ air miles east of Loco Hills, N. M.

FEDERAL LEASE NUMBER: LC 065015

LEASE ISSUED: 12-31-38 for a primary term of 5 years and is
in its extended term by production.

RECORD LESSEE: Jack Plemons (½), and Alvin L. Hewitt (½)

OPERATOR'S AUTHORITY: Designation of Operator from Alvin L. Hewitt

BOND COVERAGE: Lessee's \$5000 Lease Bond

ACRES IN LEASE: 80

SURFACE OWNERSHIP: State of New Mexico

GRAZING PERMITTEE: Bill Williams & Son
803 Clayton Ave., Artesia, N. M. 88210

POOL SPACING: Grayburg-Jackson (Q, Gb, SA), 40-acre spacing

EXHIBITS:

- A. Portion of Maljamar Topo Maps
- B. Sketch of Friess Lease
- C. Portion of USGS Lease Map #12
- D. Sketch of Well Pad
- E. Restoration Requirements For State Land

ROAD LOG TO PROPOSED DRILLSITE

STARTING POINT is 3 miles east of Loco Hills, New Mexico on US-82 at Mile Point 136.36. See Exhibit "B".

- 0.00 Turn right (south) through cattleguard and proceed on lease road in a southerly direction for a distance of 0.30 miles to Burnett Oil Co. Well #B-13.
- 0.30 Circle around the west side of Well #B-13 and continue on lease road in a southeasterly direction for a distance of 0.27 miles to a fork in road.
- 0.57 Take left fork and proceed in a southeasterly direction for a distance of 0.11 mile to an E-W road.
- 0.68 New road will start here. Continue straight ahead (south-southeast) on the west side of tank battery for a distance of 0.02 mile; turn left (east) and proceed for a distance of 0.06 mile; and turn left (northeast) and proceed 0.01 mile to the south edge of the proposed well pad.
- 0.77 PROPOSED DRILLSITE (Well #5 FRIESS FEDERAL).

THIRTEEN POINT PROGRAM

- 1. EXISTING ROADS: Existing roads, which lead to the proposed drillsite, are shown on Exhibits "A" & "B".
- 2. PROPOSED NEW ROAD: Proposed new access road will be 0.09 mile in length. Exhibit "B" shows proposed route which will originate at mileage 0.68 on the road log and will terminate at the south side of the proposed drill pad. The center of the proposed new road has been staked and flagged.
 - A. Width: 16 feet with 24-foot R-O-W.
 - B. Surfacing Material: The new road will be surfaced with caliche.
 - C. Maximum Grade: Less than one percent.
 - D. Turnouts: None necessary.
 - E. Drainage Design: New road will be crowned with drainage to the side.

F. Culverts: None necessary.

G. Gates, Cattleguards: None necessary.

3. LOCATION OF EXISTING WELLS: Existing wells in the vicinity of the proposed drillsite are shown on Exhibit "C".
4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES: The tank battery for the Friess lease is located about 100' west of the proposed drillsite. If the well is productive, a flowline will be laid on top of the ground to the tank battery.
5. LOCATION AND TYPE OF WATER SUPPLY: It is not planned to drill a water supply well. Water for leashold operations will be purchased from a commercial water hauler.
6. SOURCE OF CONSTRUCTION MATERIALS: Material for construction of the proposed new road and well pad will be obtained from a pit owned by State of New Mexico in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 19-17S-31E.
7. METHODS OF HANDLING WASTE DISPOSAL:
 - A. Drill cuttings will be disposed of in the drilling pits.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
 - C. Water produced during tests will be disposed of in the drilling pits.
 - D. Oil produced during tests will be produced into temporary test tanks.
 - E. Trash, waste paper, garbage, and junk will be buried in a trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "D".
 - F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing each drilling and/or completion operation.
8. ANCILLARY FACILITIES: None anticipated.

9. WELLSITE LAYOUT:

- A. The wellsite has been surveyed and a 400' x 400' area has been staked and flagged.
- B. The dimensions and relative location of the drill pad, mud pit, and trash pit with respect to the well bore are shown on Exhibit "D".
- C. The wellsite is on a bench-like feature on the west side of Cedar Lake depression and slopes to the east. There will be about 1 foot of cut on the west side and about 1½ feet of fill on the east side.
- D. The well pad will be surfaced with caliche.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for 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 filled.
- C. After abandonment, all equipment, trash and junk will be removed and the location cleaned. There are no special rehabilitation or special revegetation requirements by the surface owner. See Exhibit "D".

11. OTHER INFORMATION:

- A. Topography: The undisturbed wellsite elevation is 3578'. The surface of the location is on a bench-like feature on the west side of the Cedar Lake depression. The terrain at the area surrounding the location is made up of small sand dunes surrounding the Cedar Lake depression. Regional slope is to the west toward the Pecos River.
- B. Soil: Top soil at the wellsite is sandy.
- C. Land Type & Use: The vicinity surrounding the drillsite is semi-arid rangeland and its primary use is for grazing.
- D. Flora & Fauna: Vegetative cover is sparse. Flora consists primarily of shinnery and yucca interspersed with various grasses and weeds. No wildlife was observed, however fauna for this type of habitat usually consists of lizards, snakes, rabbits, rodents, coyotes, skunks, quail, dove, and other small birds.

- E. Ponds & Streams: Cedar Lake depression lies at the east edge of the drillsite.
- F. Water Wells: There are no wells within 2 miles of the drillsite.
- G. Residence & Other Structures: Nearest occupied building is the Cedar Lake Lounge which is $\frac{1}{2}$ mile to the north.
- H. Archaeological, Historical & Cultural Sites: The New Mexico Archaeological Services, Inc. conducted a survey on well pad & proposed new road and recommended that the construction work be approved.
- I. Surface Owner: State of New Mexico.
12. OPERATOR'S REPRESENTATIVE: Representative responsible for assuring compliance with the approved Surface Use Plan:

Jack Plemons
1010 W. Ave. "H", Lovington, N. M. 88260
Phone 677-3435 or 396-4334

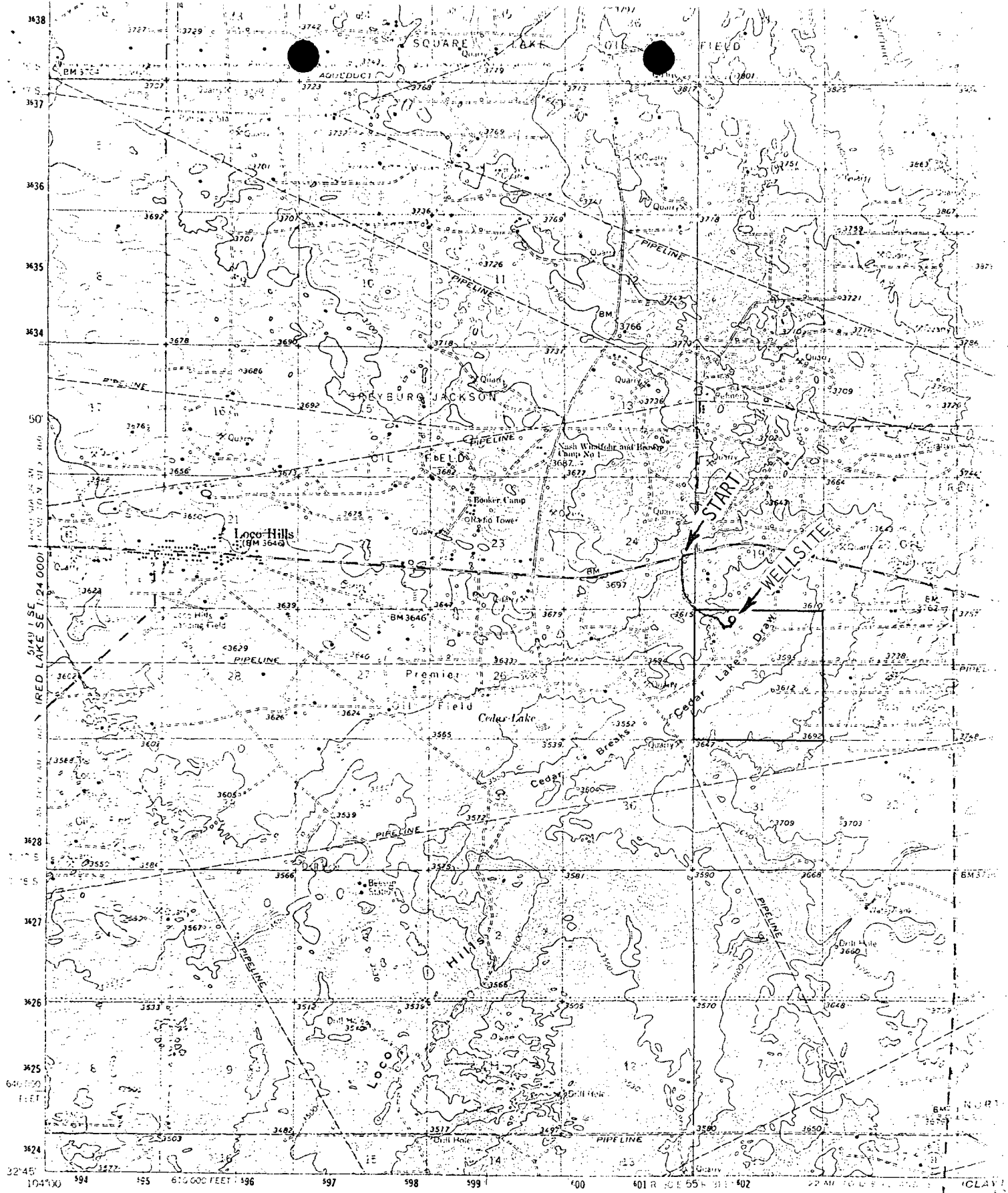
13. CERTIFICATION:

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 JACK PLEMONS and his sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

7-15-81

Date


James A. Knauf, Agent
JACK PLEMONS



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

Planimetry by photogrammetric methods from aerial photographs
taken 1957. Topography by planetable surveys 1963

Polyconic projection. 1927 North American datum
16 090 foot grid based on New Mexico coordinate system, east zone
1000-meter UTM units. Transverse Mercator grid ticks,
zone 13, shown in blue

EXHIBIT "A"

JACK PLEMONS
WELL NO. 5 FRIESS FEDERAL
330' FNL & 1411' FWL SEC. 30-17S-31E

UTM GRID AND 1963 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

FOR SALE BY U.S. GEOLOGICAL SURVEY, DE
A FINDER DESCRIBING TOPOGRAPHIC MA

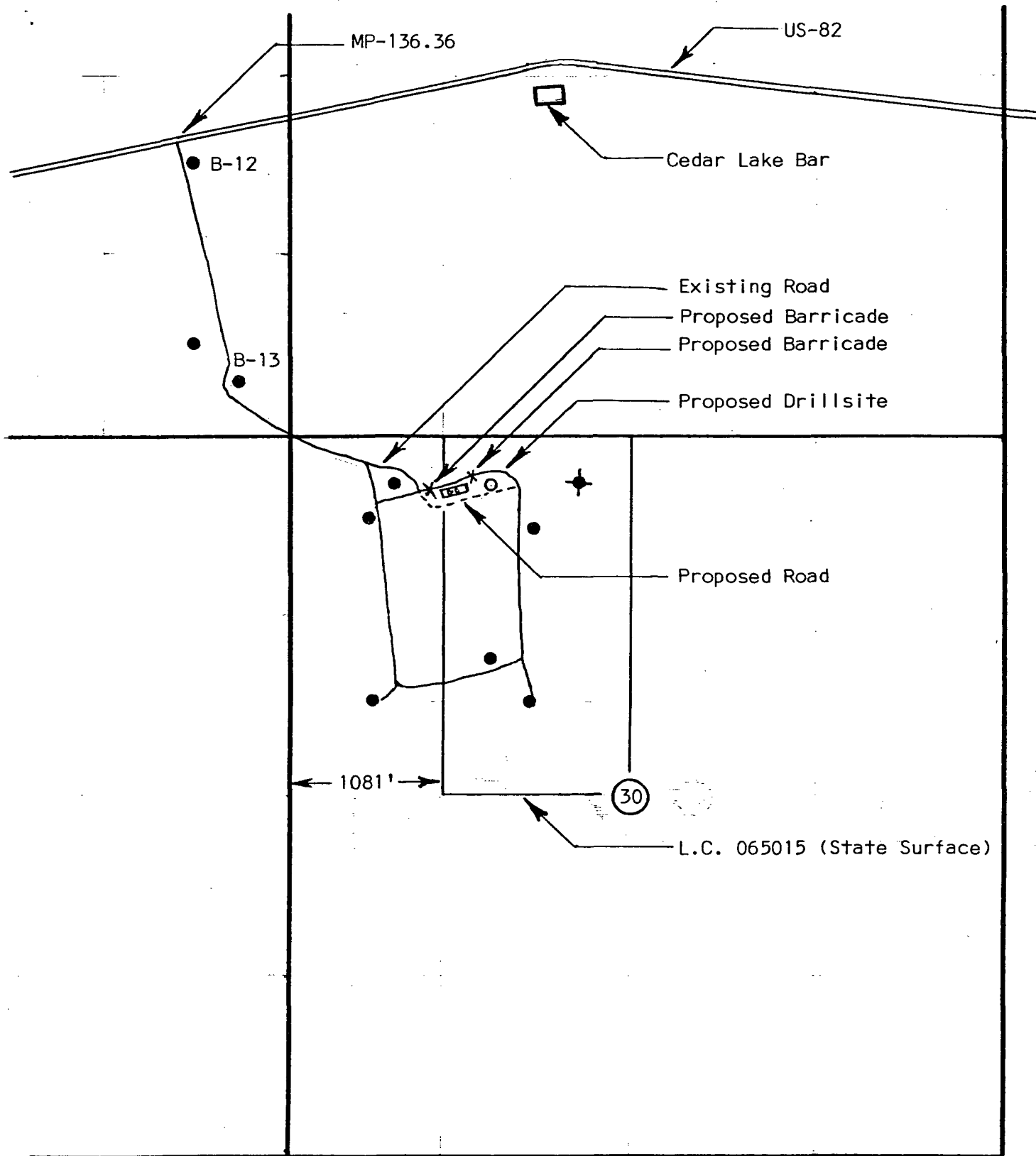


EXHIBIT "B"

JACK PLEMONS
WELL NO. 5 FRIESS FEDERAL
330' FNL & 1411' FWL SEC. 30-17S-31E

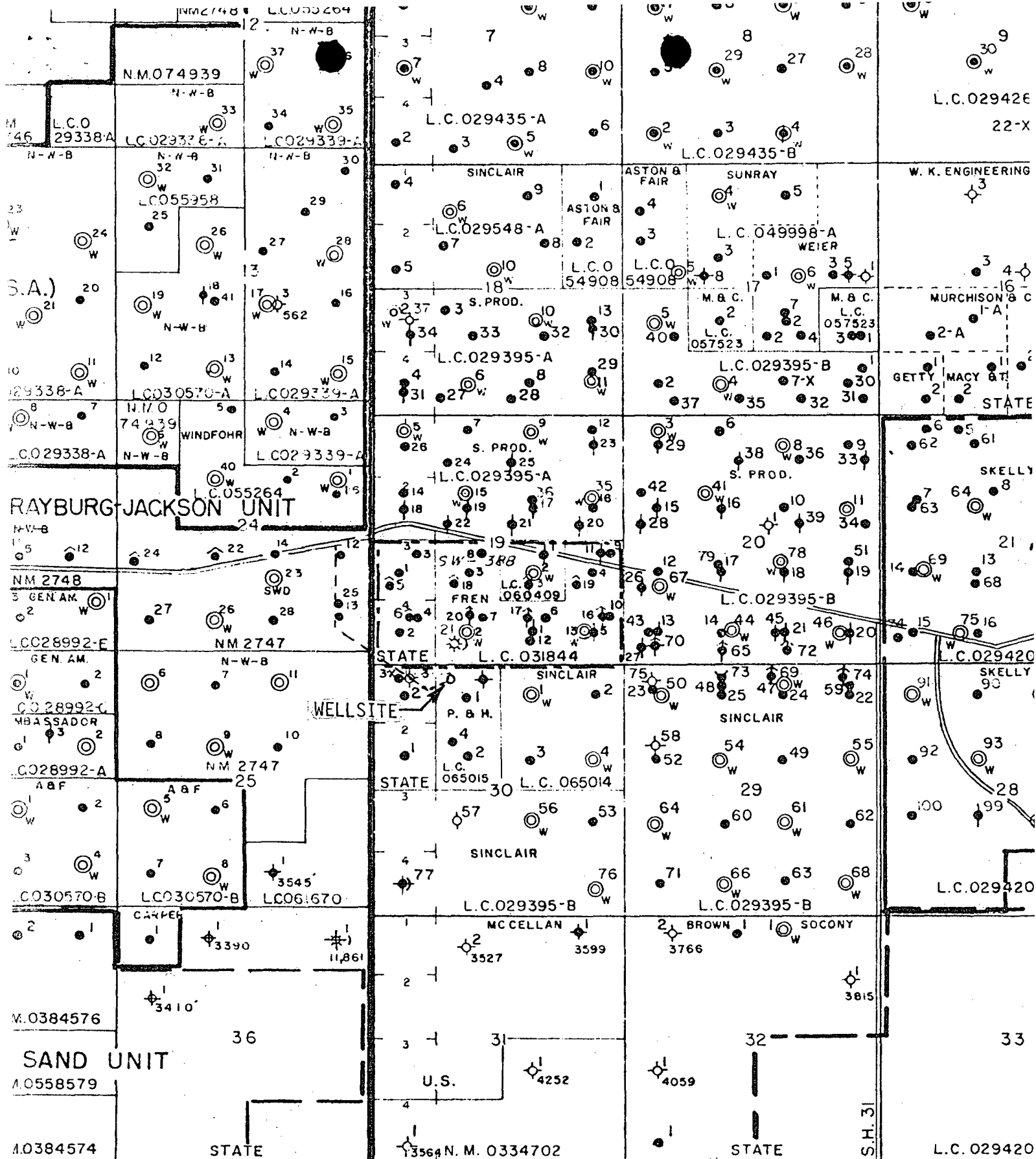


EXHIBIT "C"

JACK PLEMONS

WELL NO. 5 FRIESS FEDERAL

330' FNL & 1411' FWL SEC. 30-17S-31E

CABLE TOOL DRILL PAD

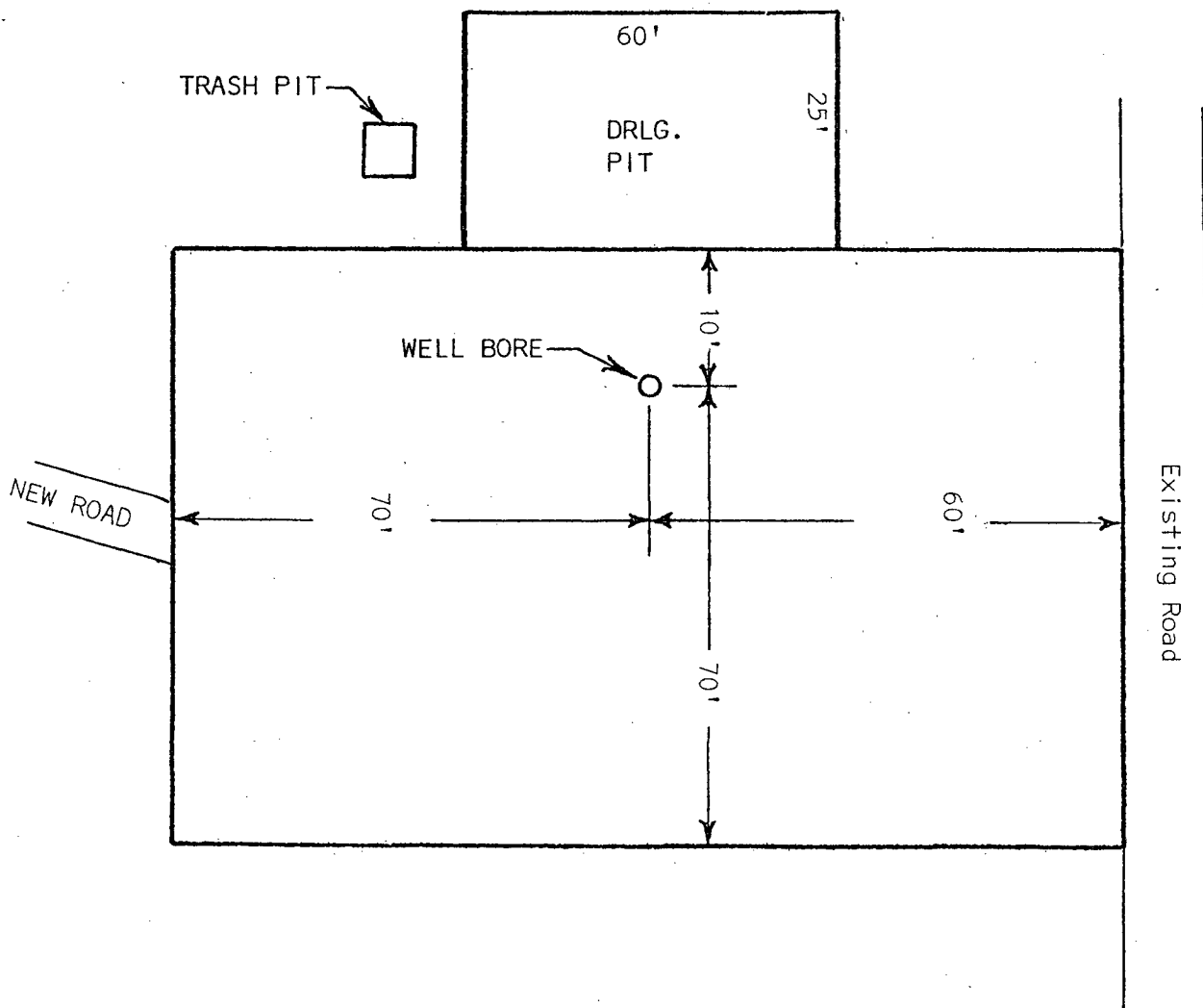


EXHIBIT "D"
JACK PLEMONS
WELL NO. 5 FRIESS FEDERAL
330' FNL & 1411' FWL SEC. 30-17S-31E

RESTORATION REQUIREMENTS FOR NE $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 30-17S-31E, EDDY COUNTY, NEW MEXICO

Records show that the above described tract of land is owned as follows:

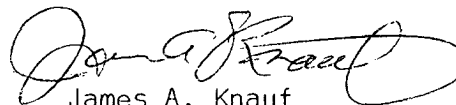
Surface: State of New Mexico

Minerals: U. S. Government

Oil & Gas Rights: Jack Plemons

Mr. Ray Graham of the New Mexico State Land Office advised that since this tract is State-owned surface with US-owned minerals, there would not be any objections to the development of the Federal minerals and the standard USGS surface abandonment requirements would be satisfactory for this type of land on which the Federal government reserved the minerals.

7-15-81



James A. Knauf
Agent for JACK PLEMONS

EXHIBIT "E"

JACK PLEMONS

WELL NO. 5 FRIESS FEDERAL

330' FNL & 1411' FWL SEC. 30-17S-31E