

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-1743-20587

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
Lewis Energy Corporation

3. ADDRESS OF OPERATOR
232 North Schwartz

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
660' FNL, 660' FWL; Sec. 28, T21N R3W
At proposed prod. zone

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

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
+7020 G.R.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2	9 5/8	32.3	400	TO SURFACE
8 3/4	7"	20	T.D.	TO SURFACE
6 1/2	4 1/2	10.5	Liner to T.D.	Per Caliper, if required

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

This action is subject to administrative
appeal pursuant to 30 CFR 290.



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 CB Lubbs TITLE Operations Manager DATE 7-10-81
San Juan Basin

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

2000

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

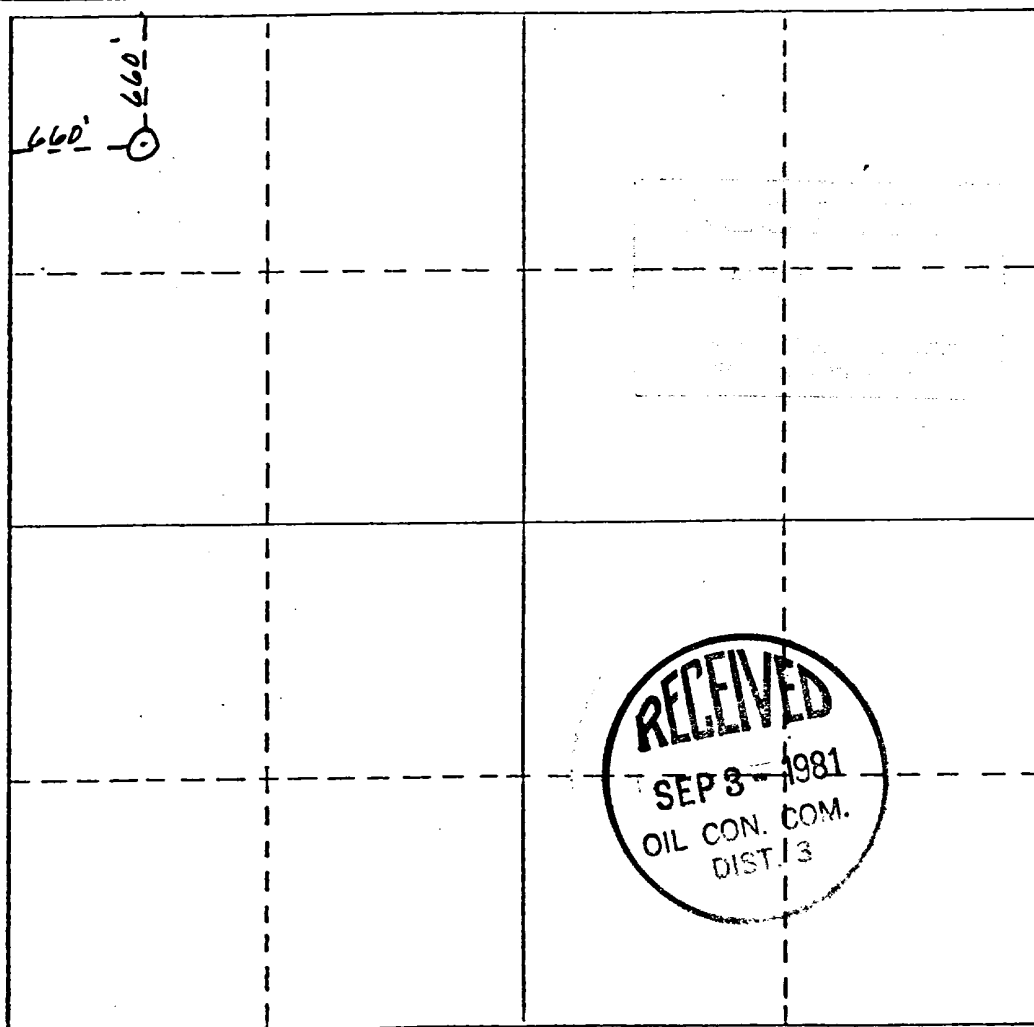
Operator LEWIS ENERGY CORPORATION			Lease LEWIS 28-21-3		Well No. 1
Unit Letter	Section 28	Township 21N	Range 3W	County Sandoval	
Actual Footage Location of Well: 660' feet from the North line and 660' feet from the West line					
Ground Level Elev. 7005.9	Producing Formation Mancos Shale		Pool Wildcat		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 Division.



CERTIFICATION

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

Name

Carrol B. Tubbs

Position

Operations Manager

Company

Lewis Energy Corporation

Date

August 3, 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.

B-B-81

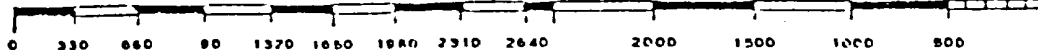
Date Surveyed

Fredrick S. Thomas

Registered Professional Engineer and/or Land Surveyor

Colo 672B

Certificate No.



SUPPLEMENTAL DATA
APPLICATION FOR PERMIT TO DRILL

Lewis Energy Corporation
Lewis - 28-21-3
Well No. 1
660' FNL, 660' FWL; Sec. 28, T21N-R3W
Sandoval County, New Mexico

1. The surface formation is Nacimiento.
2. The estimated tops of important geologic markers:

<u>FORMATION</u>	<u>DEPTH</u> (ft.)
Ojo Alamo	1,164
Picture Cliffs	1,402
Cliffhouse	1,835
La Ventana	2,317
Lower Meneffee	3,019
Pt. Lookout	3,607
Mancos Shale	3,849
*"A" Marker	4,620
*"B" Marker	4,759
*"C" Marker	4,900

*Primary Objective

3. The estimated depth at which water may be producible is the Ojo Alamo Formation, but it will be protected from oil contamination by the production casing cement.
4. The proposed casing program, including the size, grade and weight-per-foot, is presented on the face of the APD.
5. Minimum pressure control equipment will consist of 2,000 psi W.P. double ram blowout preventers with hydraulic closing apparatus. A rotating head will be installed while drilling the pay interval with aerated mud.
6. Water base drilling mud will be used to drill the well to the intermediate (7") casing point with weights of 8.5 to 9.6 ppg and viscosity of 29 to 45 sec. Oil will be used to drill the Mancos Shale Formation or it will be drilled with aerated mud.

7. Auxiliary equipment will consist of a drill pipe sub with a full-opening valve in the open position which is to be maintained on the floor at all times. A drill pipe float is optional to the drilling contractor.
8. No drill stem tests are anticipated. The section of the hole between surface casing and intermediate casing point will be logged with the following:

Dual Induction Laterolog
Compensated Neutron, Formation Density
Bore Hole Corrected Acoustic - G.R.

The section below the intermediate casing will be logged in a similar manner, if possible.

9. No abnormal pressures, temperatures or toxic gases are anticipated in these wells.
10. The anticipated starting date for the well is on or about August 10, 1981.

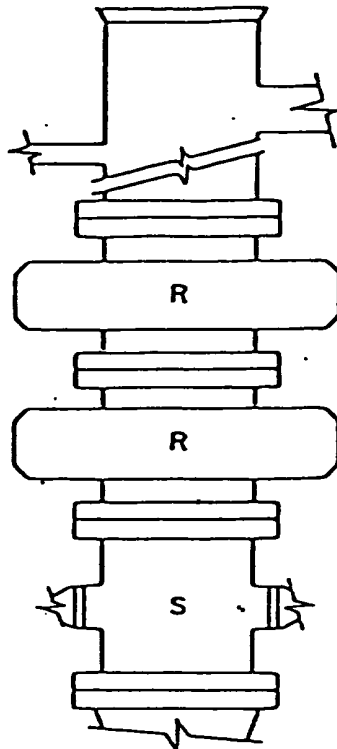


FIG. 2.C.2

ARRANGEMENT SRR
Double Ram Type Preventers, R_d, Optional.

MINIMUM
PRESSURE CONTROL
EQUIPMENT

PROPOSED LAND USE AND DEVELOPMENT PLAN

Lewis Energy Corporation
Lewis 28, Well No. 1
660' FNL, 660' FWL; Section 28-T21N-R3W
Sandoval County, New Mexico

1. Existing Roads

Existing roads in the vicinity are shown on the enclosed copy of the combined section of the Arroyo Chijuillita and the Cuba Quadrangle maps. Access to the location is obtained by traveling 11.5 miles west of Cuba, New Mexico, then turn left at the Continental divide marker. Travel south 4/10 of a mile, turn left at junction. Travel 1.1 miles, then turn right and continue for 2 miles, access road turnoff.

2. Access Roads

The access road is shown in red dashes on the vicinity map. Road width will be a minimum of 18' top with drainage ditching as necessary. There is no planned surfacing unless production is established when a gravel top may be required.

3. Location of Existing Wells

The existing wells are shown on the attached map of the area.

4. Location of Tank Batteries

In the event production is developed, the tank battery and storage facilities will be constructed on the well site. The heater treater and tanks will be sized to accommodate the total well production. Storage facilities will handle a minimum of three days production. Disturbed areas not required for production and shipping operations will be restored to natural contour and reseeded as per BLM stipulations.

5. Location and Type of Water Supply

Water will be hauled to location. Source of water will be the city of Cuba.

6. Source of Construction Materials

Road and location will be constructed of on-site cut and fill materials.

7. Methods of Handling Waste Disposal

Well cuttings will be placed in the reserve pit. All flammable waste will be burned and sewage will be buried. Upon completion of the well, non-flammable waste will be dumped into the fenced reserve pit until such pit is

dried out. At this time, the fence will be removed and all waste buried with adequate cover. The burn pit will be covered with fine mesh fence wire to restrict blowing ash.

8. Ancillary Facilities

No ancillary facilities are proposed for this location.

9. Well Site Layout

The well site layout is presented in the attached schematic sketch.

10. Plans for Restoration of Surface

Immediately upon well completion, the reserve pit will be fenced to protect livestock. The location will then be cleaned of all waste pending the time that it becomes practical to clean up the pit. The fence will then be removed and all waste buried with adequate cover. All sections of the location not required for production operations will be reseeded in accordance with BLM stipulations after re-establishing the natural contour of the area.

11. Other Information

The immediate area of the well site is a rather flat area. Vegetation at the site consists of sagebrush, juniper and pinon trees. Surface management is the responsibility of the BLM.

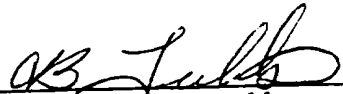
12. Operator's Representative

Mr. Carrol B. Tubbs, Operations Manager
Lewis Energy Corporation
232 North Schwartz
Farmington, New Mexico 87401
(505) 327-0359

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; and, that the work associated with the operations proposed herein will be performed by Lewis Energy Corporation and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

August 3, 1981
Date


Carrol B. Tubbs
Operations Manager
Lewis Energy Corporation

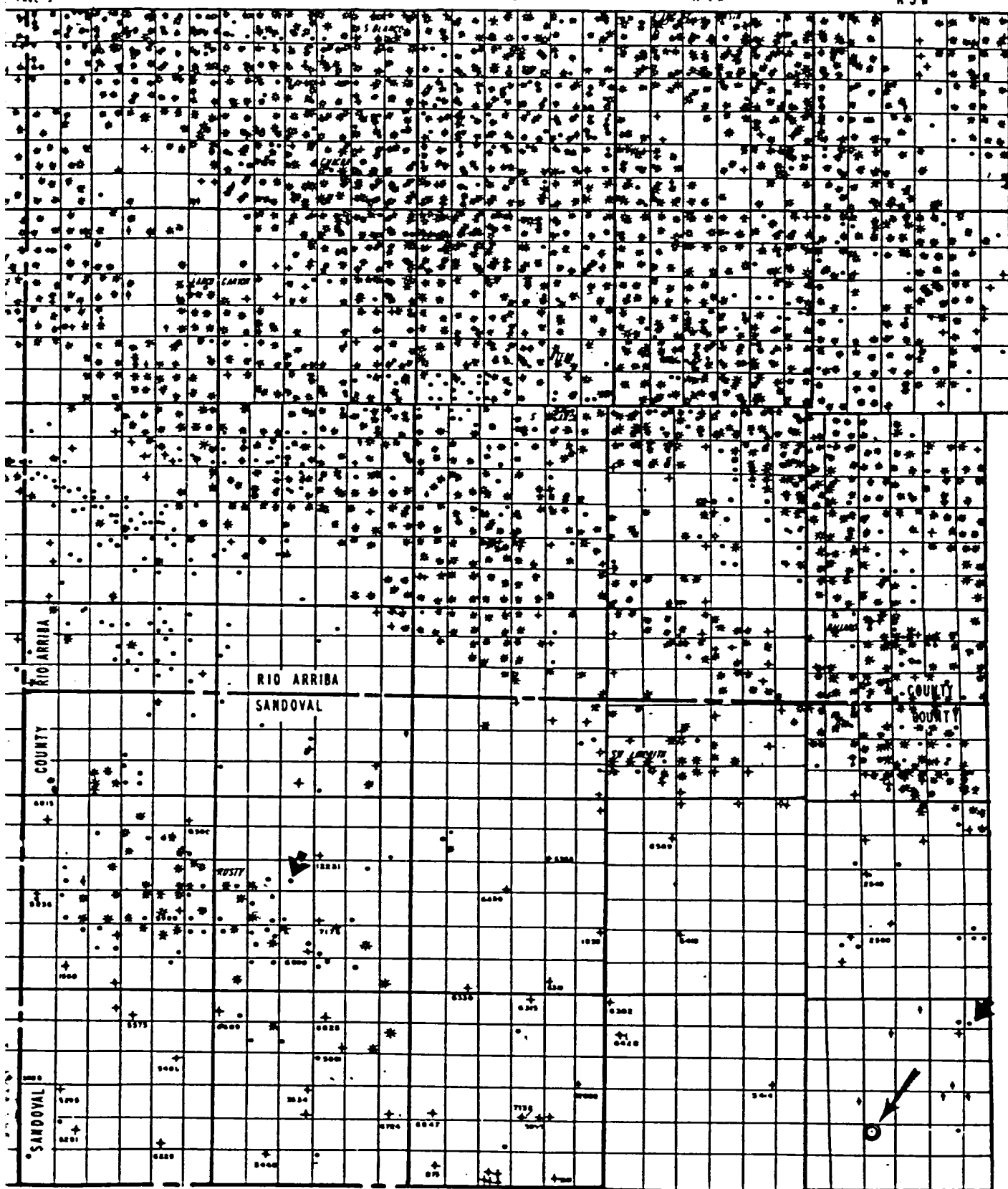
R7W

R6W

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R7W

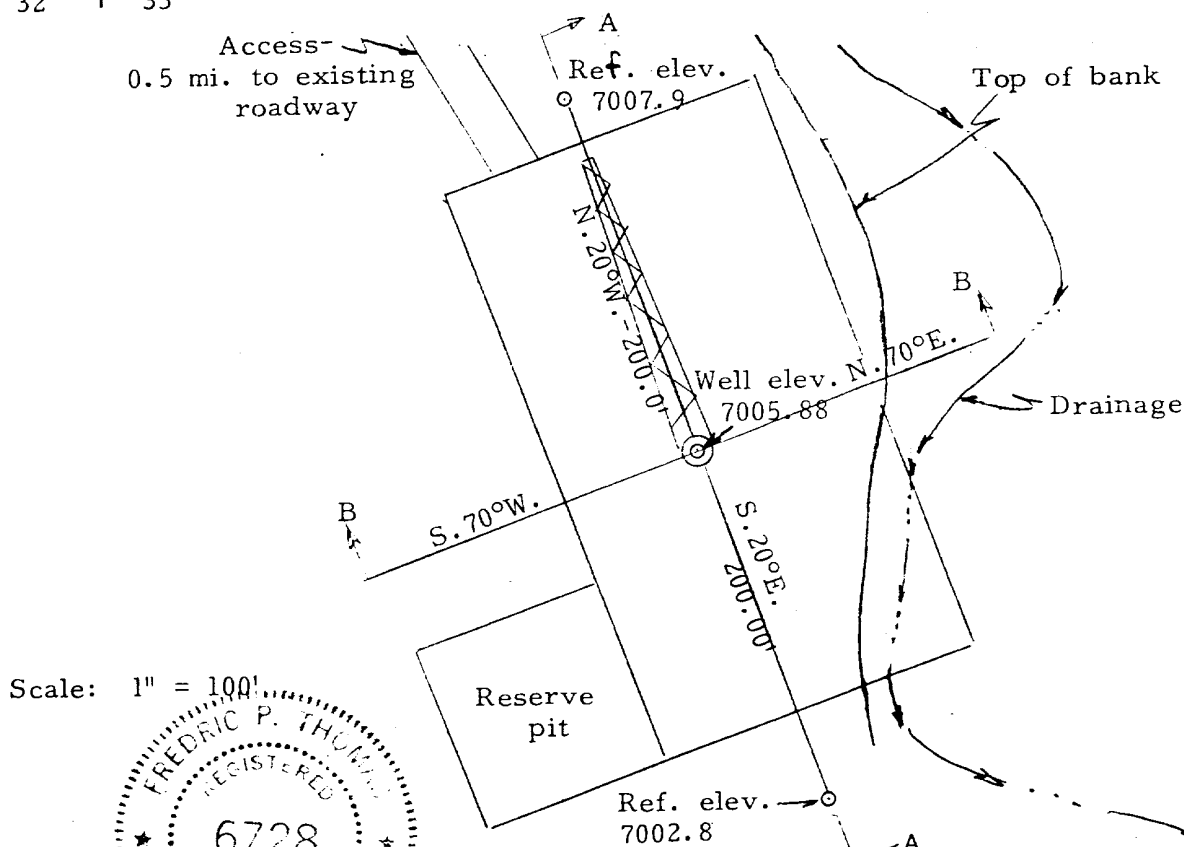
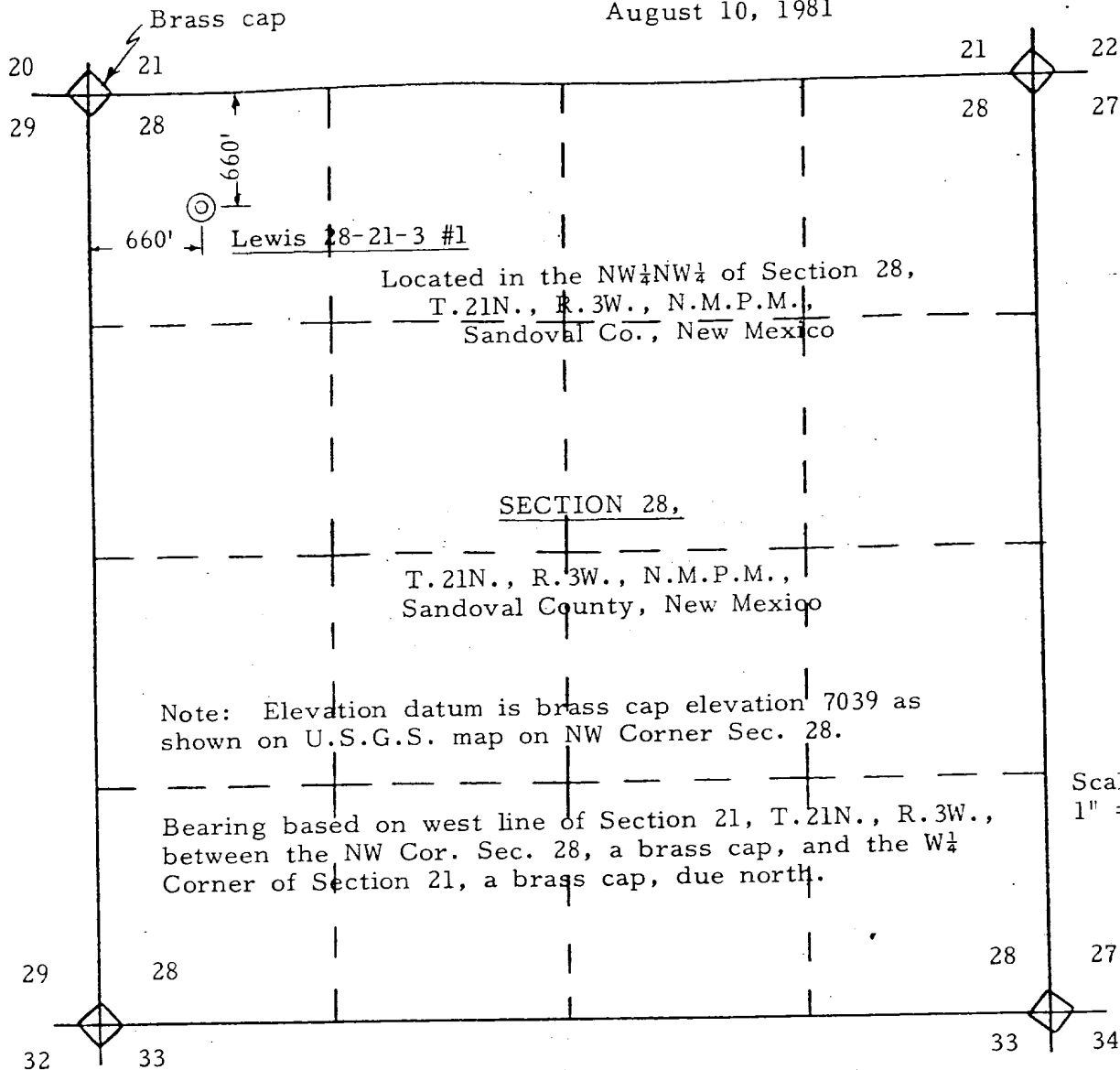
R6W

R5W

R4W

R3W

Vicinity Map For
 Lewis Energy Corporation
 Lewis 28-21-3 #1
 660' FNL 660' FWL Sec. 28 T21N R3W
 Sandoval County, New Mexico



KNOW ALL MEN BY THESE PRESENTS:

THAT I, FREDRIC P. THOMAS

do hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P. Thomas

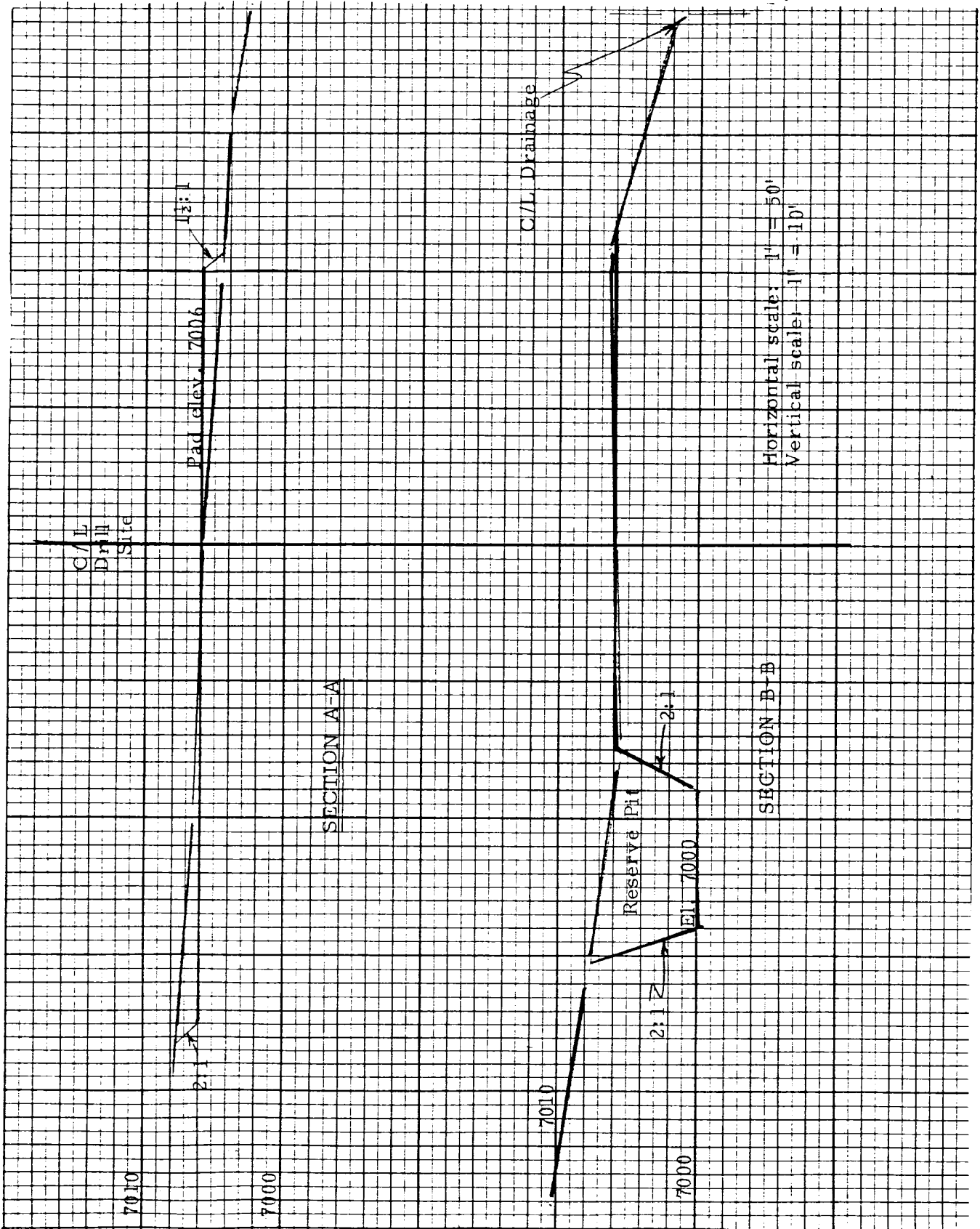
FREDRIC P. THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
965-4496



Lewis Energy Co.
Well Lewis 28-21-3 #1
August 10, 1981



KNOW ALL MEN BY THESE PRESENTS:
 THAT I, FREDRIC P. THOMAS
 do hereby certify that I prepared this plat from an
 actual and accurate survey of the land and that the
 same is true and correct to the best of my knowledge
 and belief.

to the best of my knowledge

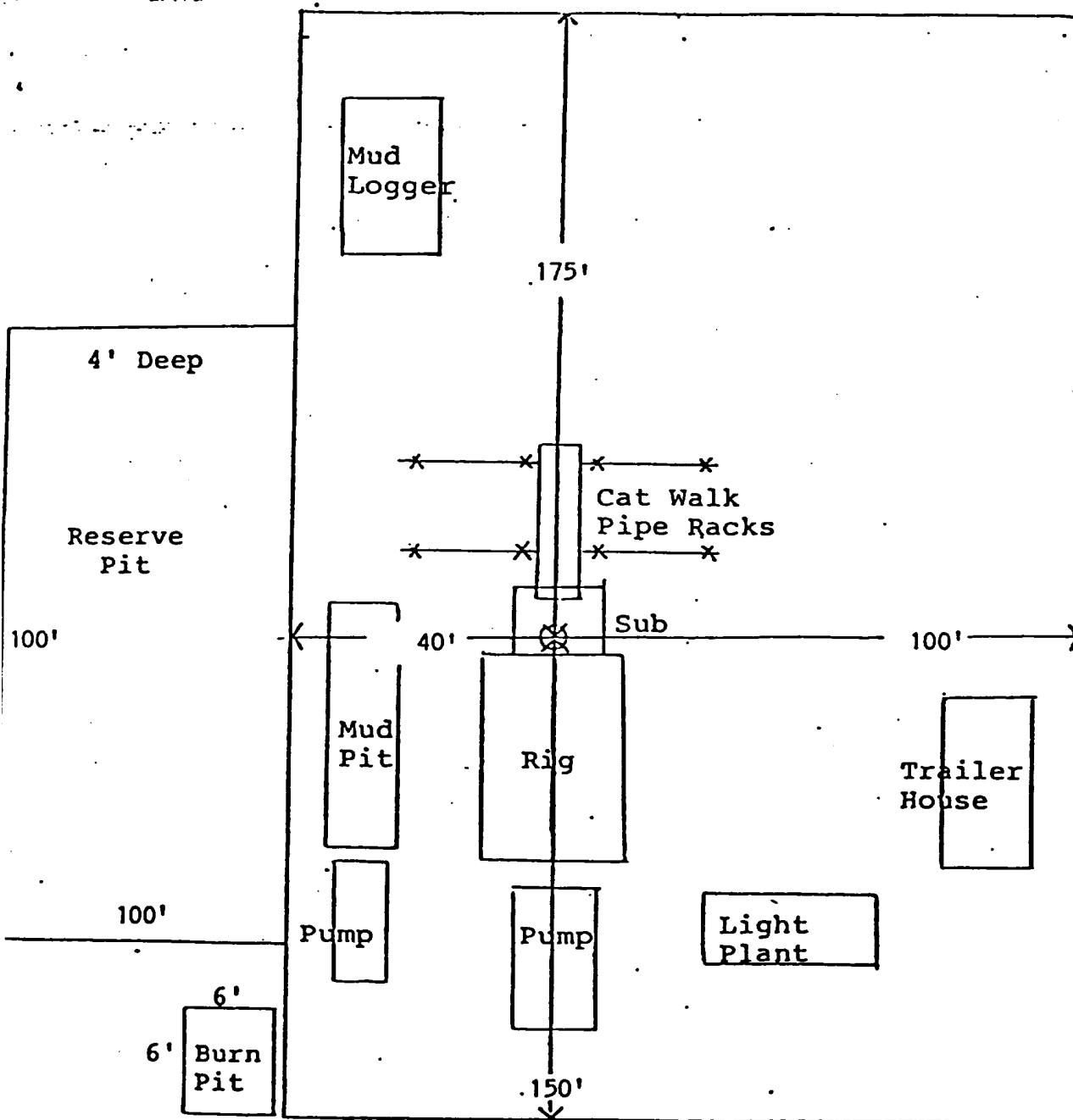
Fredric P Thomas

FREDRIC P THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728



THOMAS *Engineering Inc.*

215 N. Linden
Cortez, Colorado
565-4496



SCHEMATIC
LOCATION LAYOUT PLAN