

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

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

JACK GRYNBERG AND ASSOCIATES

3. ADDRESS OF OPERATOR

1050 17th Street Suite 1950 Denver, Colorado 80265

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

At surface

1980' FSL and 1980' FEL (NWSE)

At proposed prod. zone

Same

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

22 miles NNE Roswell

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

360

17. NO. OF ACRES ASSIGNED

160

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

19800' SE

19. PROPOSED DEPTH

4200'

20. ROTARY OR CABLE TOOLS

Rotary

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

3944.69'

22. APPROX. DATE WORK WILL START*

12-1-81

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13½"	103/4	32.75	900'	Good returns to surface
7-7/8"	4½"	10.75	4200'	500' above top of pay

1. Spud well, drill 13½" hole to 900', run 10 3/4" surface casing.
2. Drill 7 7/8" hole to 4200', checking B.O.P. Daily.
3. Run tests and logs as needed.
4. Run 4½" production casing to 4200' if warranted.
5. Perforate and stimulate as needed.

In the event that circulation is lost while drilling 7 7/8" hole and intermediate casing is needed, the hole will be reamed and 1500' of 7 7/8" intermediate casing will be set.

B.O.P. Diagram is attached.

Gas in not dedicated.

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

NANCY STOLZLE

TITLE Land Manager

DATE November 23, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF

DEC 22 1981

JAMES A. GILLHAM
DISTRICT SUPERVISOR

TITLE

DATE

30-005-61302 RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.

NM-17037

6. IF INDIAN, ALLOTTEE OR PRICE

N/A

7. UNIT AGREEMENT NAME

N/A

C. D.
ARTESIA, OFFICE

8. FARM OR LEASE NAME

Grynberg 17 Federal "Com"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Abo

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

Sec. 17, T6S-R25E

12. COUNTY OR PARISH

Chaves

13. STATE

NM

Posted ID-1
API + NL Book
12-31-81

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

★ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-306

PROPOSED OPERATION	DATE OF PROPOSAL	DATE OF APPROVAL	APPROVED BY
REDRILL TO SAME RESERVOIR AT DIFFERENT SUBSURFACE LOCATION OR TO NEW RESERVOIR	10/1/63	10/1/63	J. H. HARRIS
REDRILL TO SAME RESERVOIR AT DIFFERENT SUBSURFACE LOCATION OR TO NEW RESERVOIR	10/1/63	10/1/63	J. H. HARRIS
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1. Well, drill hole to 900' from 300' surface.
2. Drill hole to 400' depth, 10' from 300' surface.
3. The road and area are needed.
4. The "A" production casing to 100' is warranted.
5. The formation and strata are needed.

In the event that circulation is lost while drilling, the hole will be reamed and 100' of casing is needed. The hole will be reamed and 100' of casing is needed.

See attached for further information.

The following information is provided for the purpose of the proposal. It is not intended to be a substitute for the information provided by the applicant.

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MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-11
Revised 1-1-81
Effective 1-1-81

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

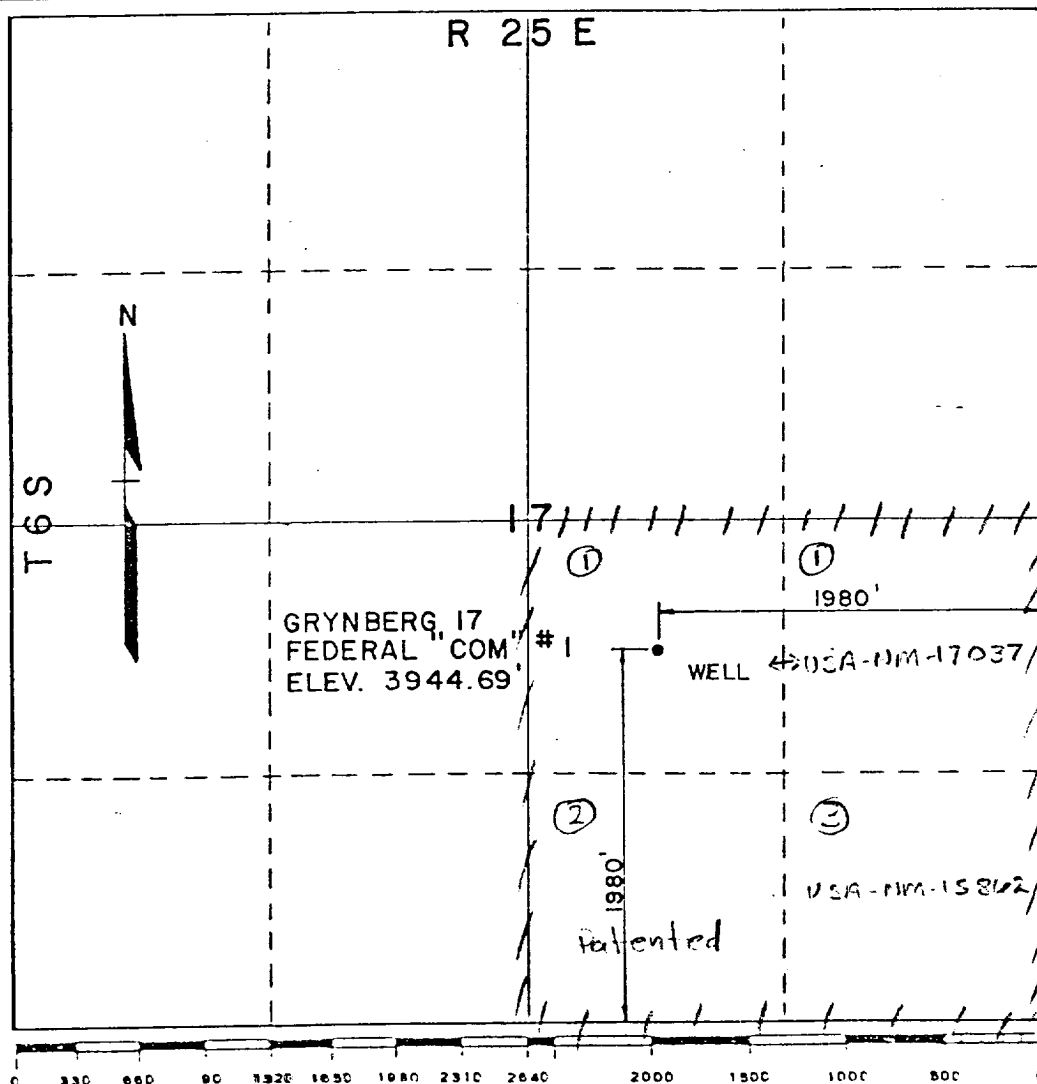
Client JACK GRYNBERG AND ASSOCIATES			Lease Grynberg 17 Federal "Com"		Well No. 1
Unit Letter J	Section 17	Township 6-S	Range 25-E	County Chaves	
Actual Footage Location of Well: 1980 feet from the SOUTH line and 1980 feet from the EAST line					
Ground Level Elev. 3944.69'	Producing Formation Abo	Pool Undesignated Abo	Dedicated Acreage: 160 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). **See Attachment I**
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 Communitized

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
Nancy Stolze

Position
Land Manager

Company
JACK GRYNBERG AND ASSOCIATES

Date
November 23, 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.

October 20, 1981
Date Surveyed
Thomas I. Mann
Registered Professional Engineer
Thomas I. Mann, P.E. & L.S.
N.M. License No. 277
Certificate No.

Jack Grynberg and Associates
#1 Grynberg 17 Federal "Com"
NWSE Section 17, T 6 S - R 25 E
Chaves County, New Mexico

ATTACHMENT I

percentage interests of Parties Under Agreement:

	NAME	ACRES	WORKING INTEREST
1	JACK J. GRYNBERG	80 acres	50.000%
	FRED POOL DRILLING, INC.		5.625%
	PLAINS RADIO BROADCASTING		12.500%
2	MERCURY EXPLORATION	40 acres	5.625%
	JAMES LUSK		0.500%
	JACK CARGILL		0.500%
	KEMP MC MILLAN		0.250%
3	DAVOIL, INC.	40 acres	8.881%
	GREAT WESTERN DRILLING COMPANY		16.119%

Leasehold Interest of Parties to Operating Agreement:

- Lessor: United States
Original Lessee: Celeste C. Grynberg
Present Lessee: Celeste C. Grynberg

Expiration Date of Lease: December 1, 1982
Serial No. of Lease: USA-NM-17037
Description: Township 6 South - Range 25 East
(Limited to portion included Section 17: N/2SE/4
in Contract Area)
- Lessor: J.W. Corn, E.L. Foreman
Original Lessee:
Present Lessee: Plains Radio, Fred Pool Drilling Co., et al

Expiration Date of Lease:
Serial No. of Lease: Fee
Description: Township 6 South - Range 25 East
(Limited to portion included Section 17: SW4SE4
in Contract Area)
- Lessor: United States
Original Lessee: William S. Davis
Present Lessee: a. Great Western Drilling Co. (64.476%)
b. Davoil, Inc. (35.524%)

Expiration Date of Lease:
Serial No. of Lease: USA-NM-15862
Description: Township 6 South - Range 25 East
(Limited to portion included Section 17: SE4SE4
in Contract Area)

TEN POINT COMPLIANCE PROGRAM
Attachment to Form 9-133C, Application for Permit to Drill

Jack Grynberg and Associates
#1 Grynberg 17 Federal "Com"
1980' FSL & 1980' FEL
Section 17, T 6 S - R 25 E
Chaves County, New Mexico

1. Geologic Surface Formation
Sandy residuum

2. Estimated Tops of Important Geologic Marker
 San Andres 525'
 Glorieta 1450'
 ABO 3650'
 TD 4200'

3. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals
 Gas 3650 - 4200

4. Proposed Casing Program

<u>HOLE SIZE</u>	<u>CASING SIZE</u>	<u>INTERVAL</u>	<u>GRADE</u>	<u>WT./FT.</u>	<u>NEW OR USED</u>
13 1/2"	10 3/4"	0-900	H-40	32.75	new
7 7/8"	4 1/2"	900-4200	J-55	10.75	new
9 1/4" (Contingency)	7 7/8"	900-1500	K-55	26.40	new

5. Operator's Minimum Specifications For Pressure Control
 Exhibit "A" is a schematic diagram of the blowout preventor equipment. The BOP's will be hydraulically tested to the full working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24 hour period, as will blind rams each time pipe is pulled out of the hole.

6. Type and Characteristic of Proposed Circulating Mediums
 Adequate stocks of sorptive agents will be on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

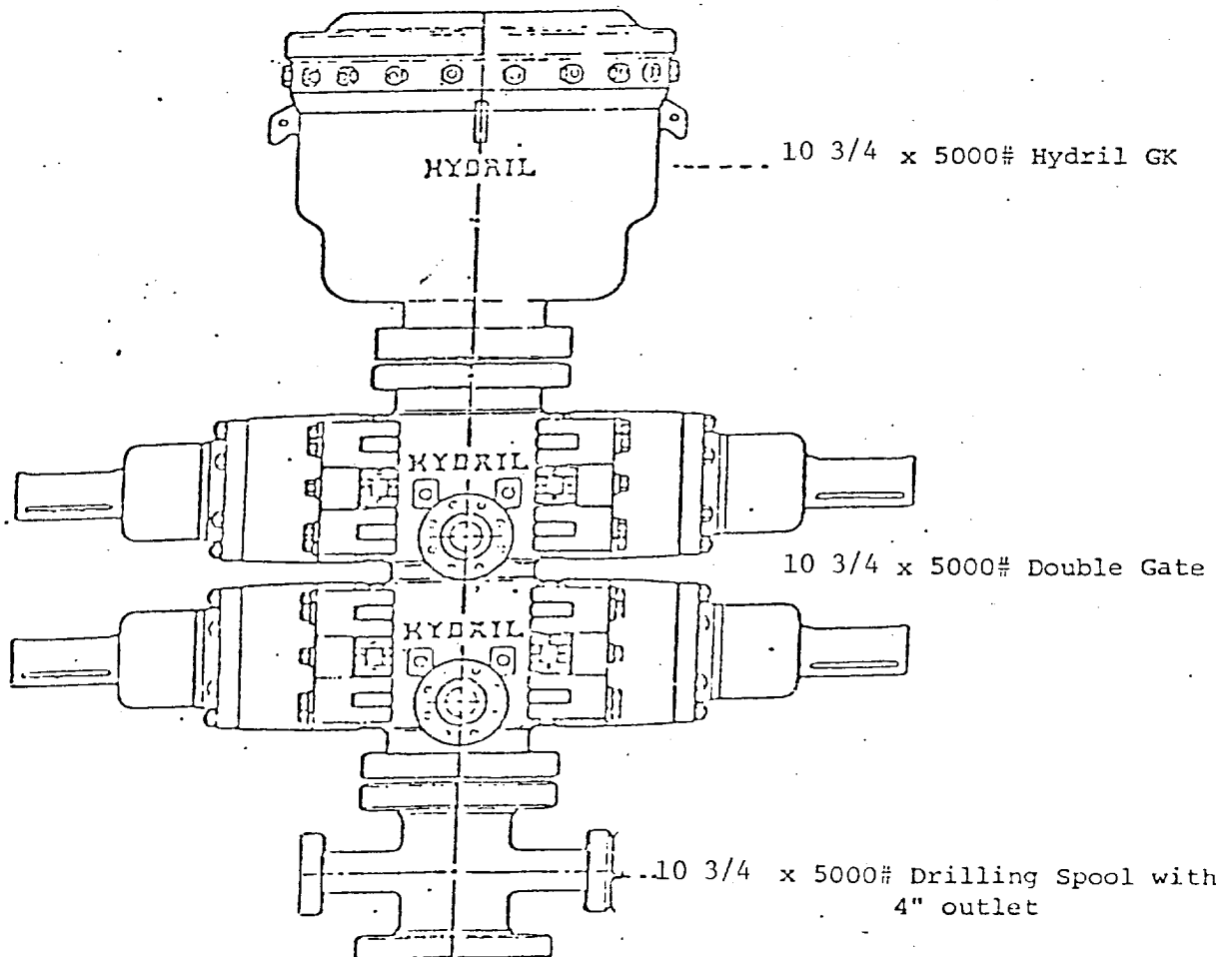
<u>INTERVAL</u>	<u>TYPE</u>	<u>WEIGHT #/GAL</u>	<u>VISC.-SEC./QT.</u>	<u>FLUID LOSS-CC</u>
0-900	native mud	-----	-----	-----
900-3200	native mud	-----	-----	-----
3200-4200	salt base, 4-5% diesel fuel	10.2	32-40	20-30CC Wtr.

7. Auxiliary Equipment
Kelly cock, a float will be used at the bit, pit level indicators and flow sensor equipment, sub with full-opening valve on floor, drill pipe connection.
8. Testing, Logging, and Coring Program
 - A. DST's as warranted.
 - B. The logging program will consist of a CNL-FDC and Dual Lateral Log-MSFL.
 - C. No coring is anticipated
 - D. Stimulation procedures will be determined after evaluation of logs.
If treatment is indicated, appropriate Sundry Notice will be submitted.
9. Anticipated Abnormal Pressures or Temperatures
No abnormal pressures or temperatures are anticipated.
10. The well will be spudded around December 1, 1981 or as soon as permit and surface use program are approved by the USGS and BLM.

EXHIBIT "A"

JACK GRYNBERG AND ASSOCIATES
#1 Grynberg 17 Federal "Com"
1980' FLS and 1980' FEL
Section 17, T6S - R25E
Chaves County, New Mexico

B.O.P. Stack



All items H₂S trimmed

EXHIBIT "B"

Jack Grynberg and Associates
 #1 Grynberg 17 Federal "Com"
 NWSE Sec. 17, T 6 S - R 25 E
 Chaves County, New Mexico

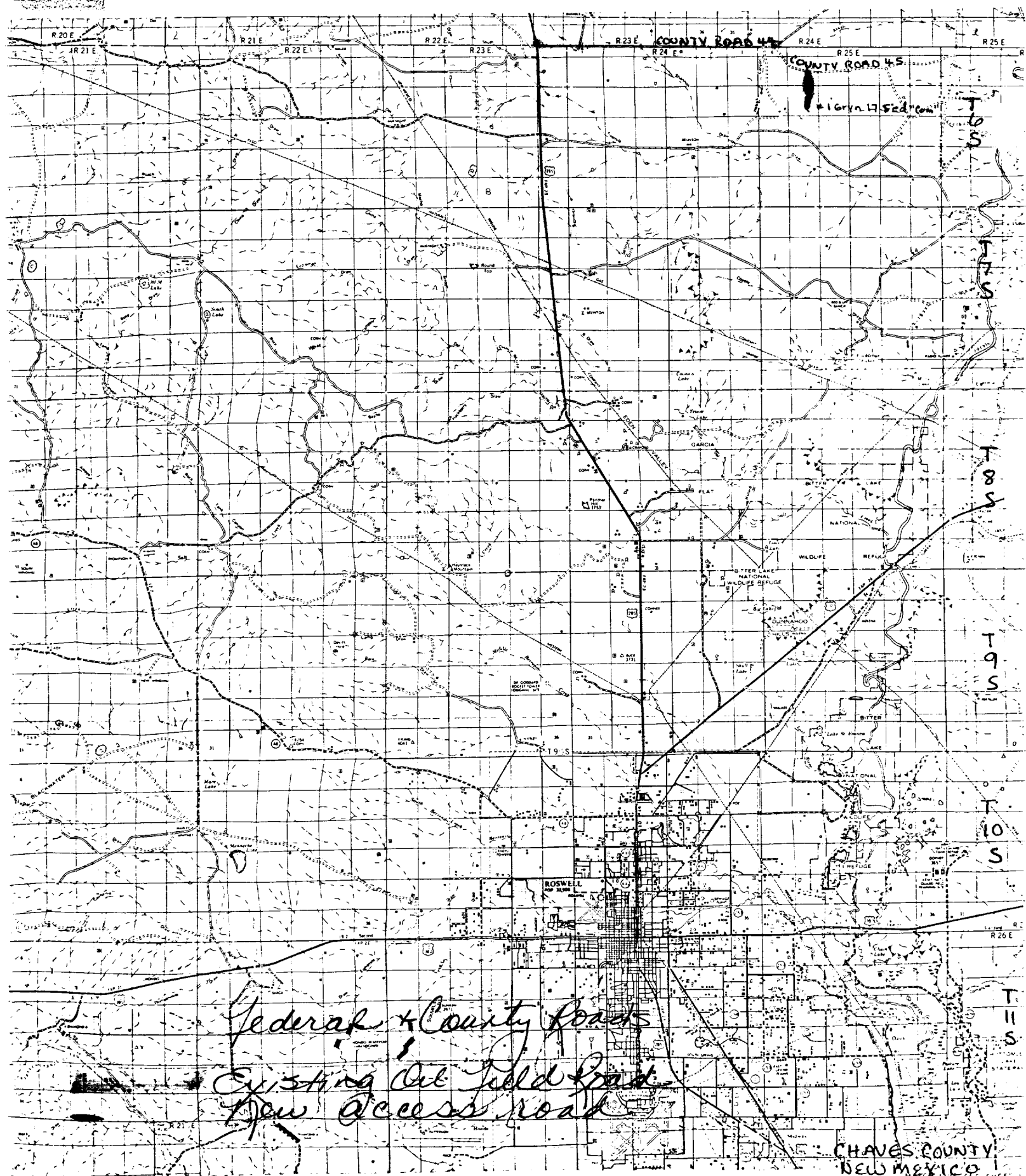
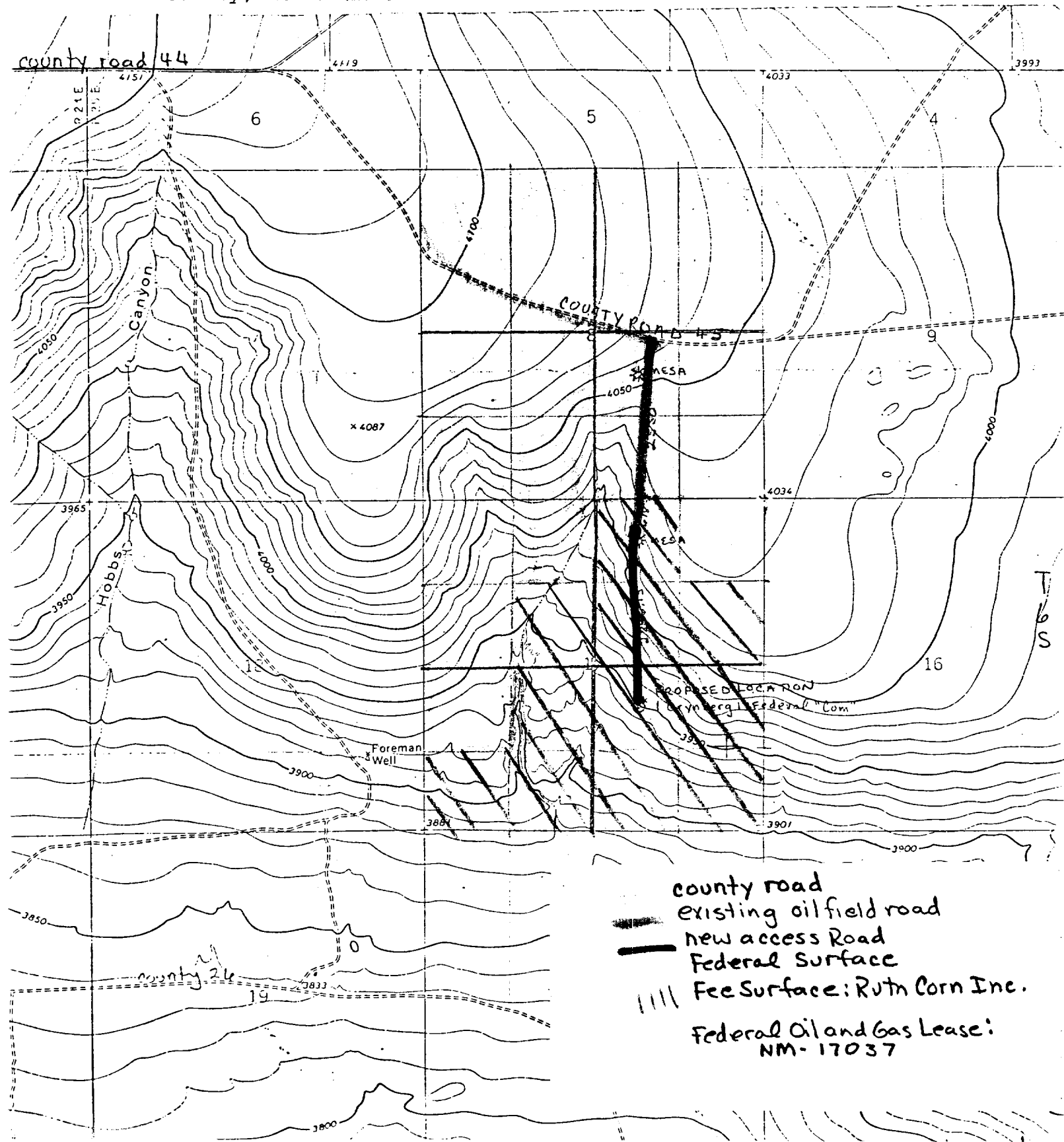


EXHIBIT "C"

Jack Grynberg and Associates
 #1 Grynberg 17 Federal "Com"
 NWSE Sec. 17, T 6 S - R 25 E
 Chaves County, New Mexico



JACK GRYNBERG & ASSOCIATES
 #1 Grynberg 17 Federal "Com"
 1980' FSL & 1980' FEL
 Section 17, T6S-R25E
 Chaves County, New Mexico
 ESTORIL

R24E

SA

MESA

EXHIBIT "D"

YATES

YATES
T
5
S

30

ESTORIL

29

SANDERS

28

27

26

YATES

POOL

ESTORIL

33

34

JGA-
(VIKING)

YATES

YATES

YATES

GREAT
WESTERN

T
6
S

R24E

MESA

6 MESA

5 MESA

R25E

YATES

MESA

8

MESA

9

10

MESA

MESA

18

17

JGA #1 Grynberg 17 Fed "Com"

POOL

16

15

POOL

19

MESA

20

21

22

MESA

25

30

29

28

YATES

MESA

MESA

LEGEND

- PROPOSED WELL LOCATION
- ✦ DRY & ABANDONED
- ✱ PRODUCING GAS WELL
- PRODUCING OIL WELL
- ◇ TEMPORARILY SUSPENDED

CHAVES COUNTY, NEW MEXICO