

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-043-20464

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

Noel Reynolds

3. ADDRESS OF OPERATOR

Box 356 Flora Vista N.M. 87415

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

At surface

1980 ft. from south line 1980 ft. from west line

At proposed prod. zone

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

50 mi. SW Cuba N.M.

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 1980'
(Also to nearest drlg. unit line, if any) 330'

16. NO. OF ACRES IN LEASE

2560

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. 10 mi.

19. PROPOSED DEPTH

1,000'

20. ROTARY OR CABLE TOOLS

Cable Tools ☒

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

6007 GR

22. APPROX. DATE WORK WILL START*

3/20/80

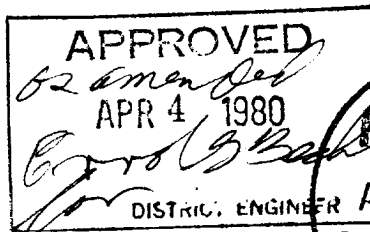
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 5/8	7"	20lb.	40' 90	Circulate 25 sx.
6 1/4	4 1/2	9.5	1000'	100 sx.

Propose to drill new well to test the Gallup formation
at a depth of 1000 ft. Blowout equipment will be used (Oil Swab)
If production is obtained 4 1/2 in. casing will be run and
cemented and well will be completed and put on production.

Surface formation - Mancos



APR 1 1980

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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

Noel Reynolds

TITLE

operator

DATE

3-10-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
STATE REQUIREMENTS

ok Ench
State

**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.

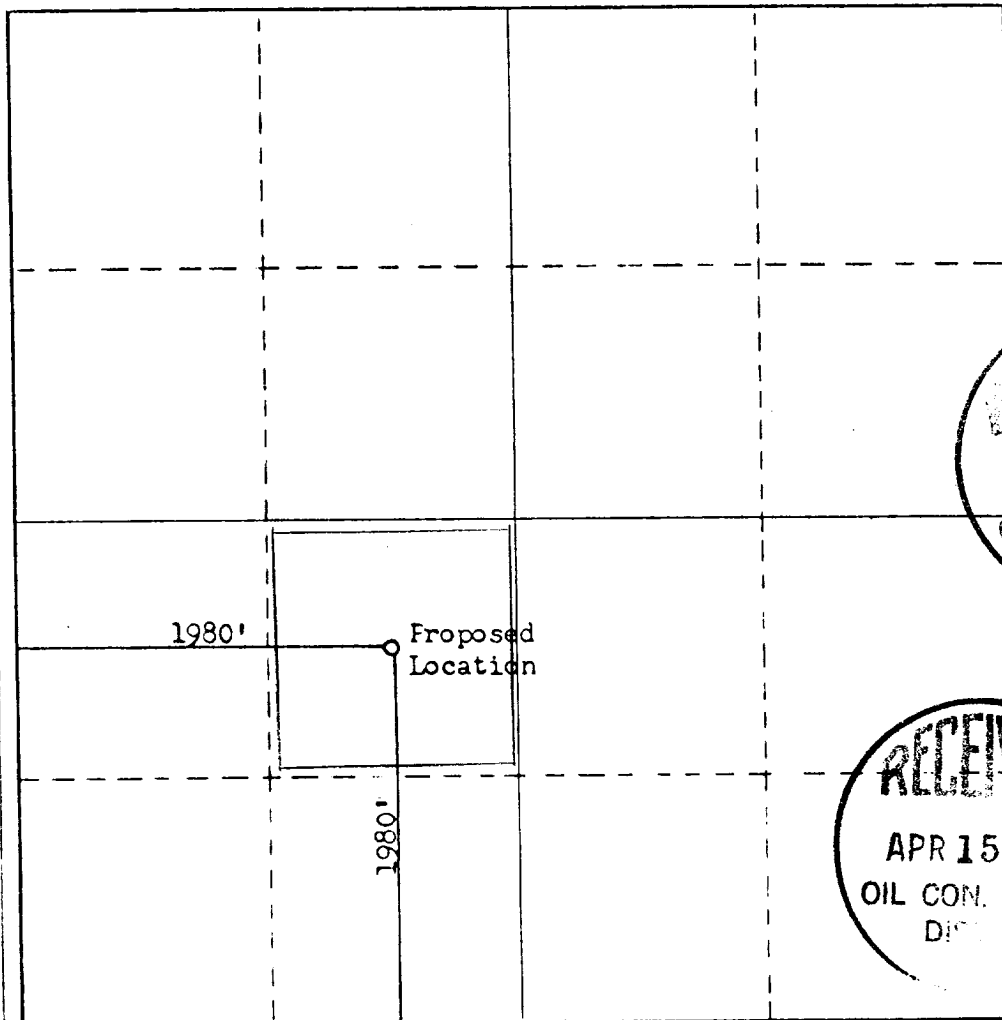
Operator Noel Reynolds			Lease Bosco Kravokapich (100-20)		Well No. 1
Unit Letter K	Section 11	Township 16 N	Range 4 W	County Sandoval	
Actual Footage Location of Well:					
1980 feet from the South		line and 1980 feet from the West		line	
Ground Level Elev. 6007	Producing Formation Gallup	Pool Undesignated		Dedicated Acreage: 4.0 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 **U/A**

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 **Noel Reynolds**
Position **operator**
Company **Same**

Date **APR 9 1980**
3-10-80

OIL CON. COM.
DIST. 3

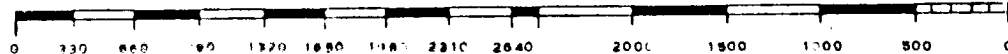
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

RECEIVED
APR 15 1980
OIL CON. COM.
DIST. 3

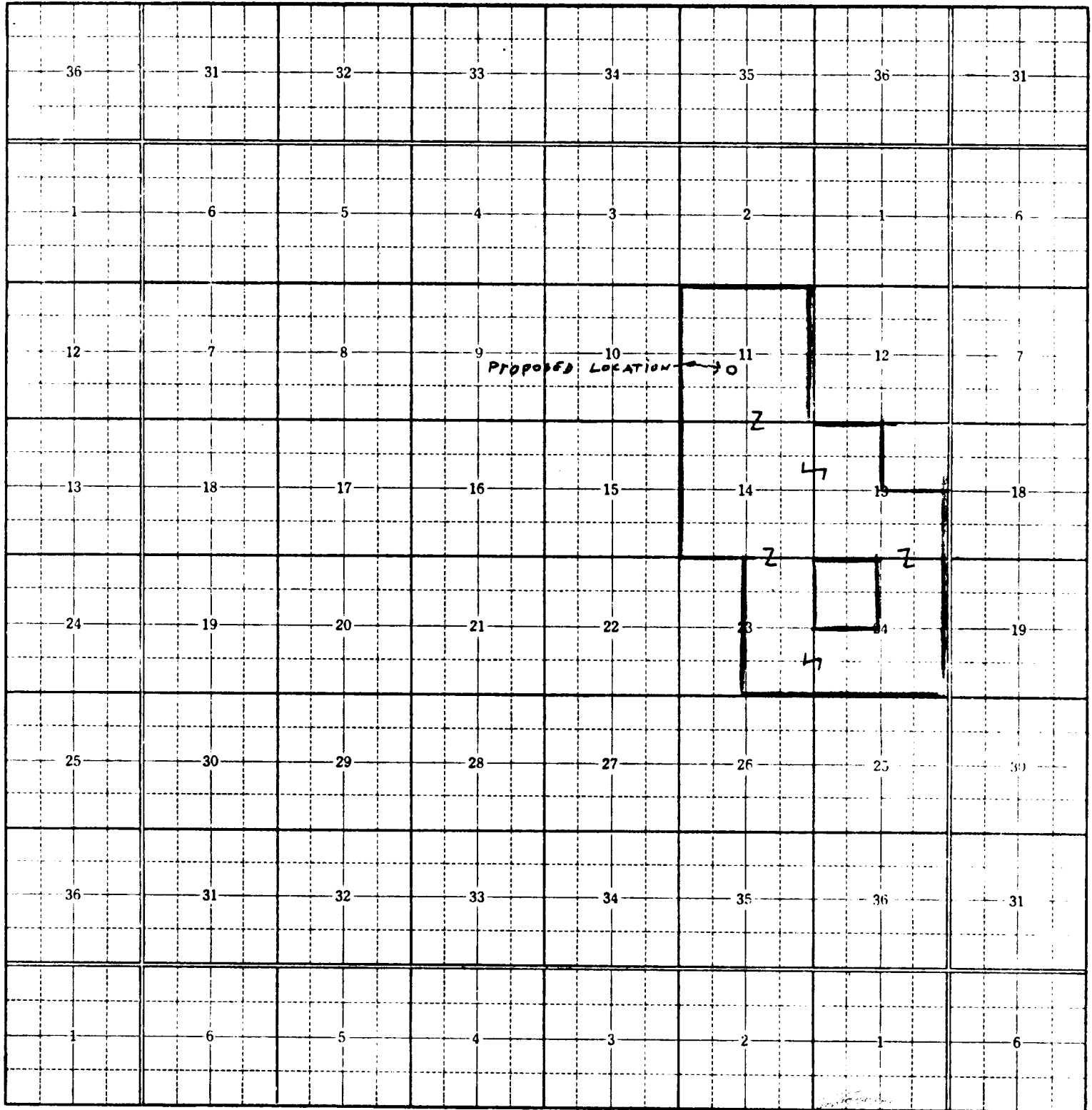
March **4**, 1980
I have Surveyed
Frederick H. Reed
Registered Professional Engineer
and/or Land Surveyor

Frederick H. Reed

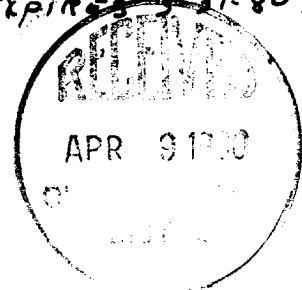
Certificate No. **3795**

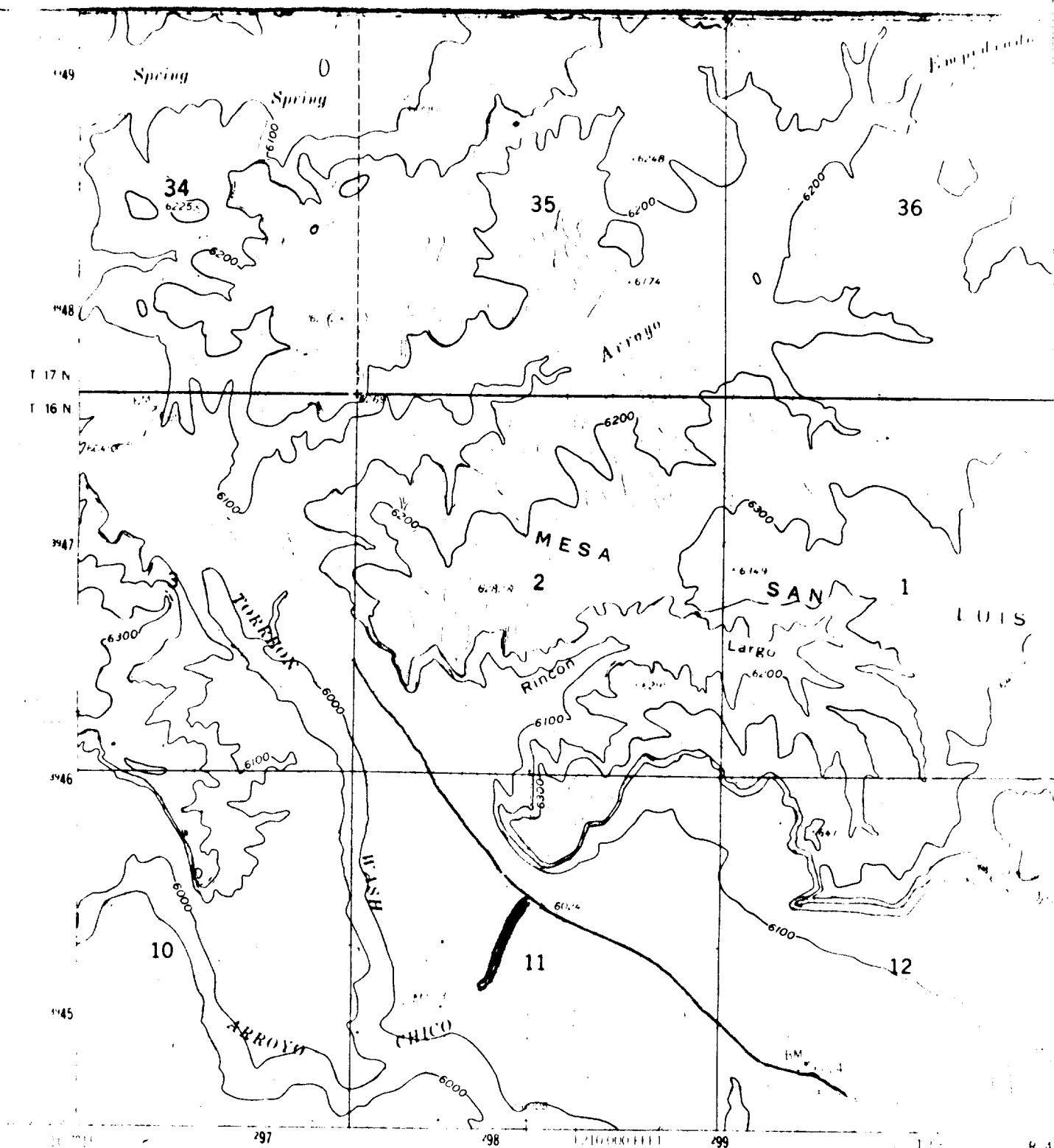


Island Township Plat



WE OFFER, SUBJECT TO PRIOR SALE: LEASE # NM. 11446 (LEASE EXPIRES 3-31-80)
2560 ACRES





Mapped, edited, and published by the Geological Survey

U.S. GEOLOGICAL SURVEY

EXHIBIT #4

Compiled by the method of from aerial
photographs, 1948, field checked 1961

Projection: 1917 North American datum

Grid based on New Mexico coordinate system, central zone

Scale: 1 inch = 24,000 feet (approximate)

Scale 1:24,000

GN MN

1" = 24,000
24,000

134°
240 MILES

LOCATION PLAT 0

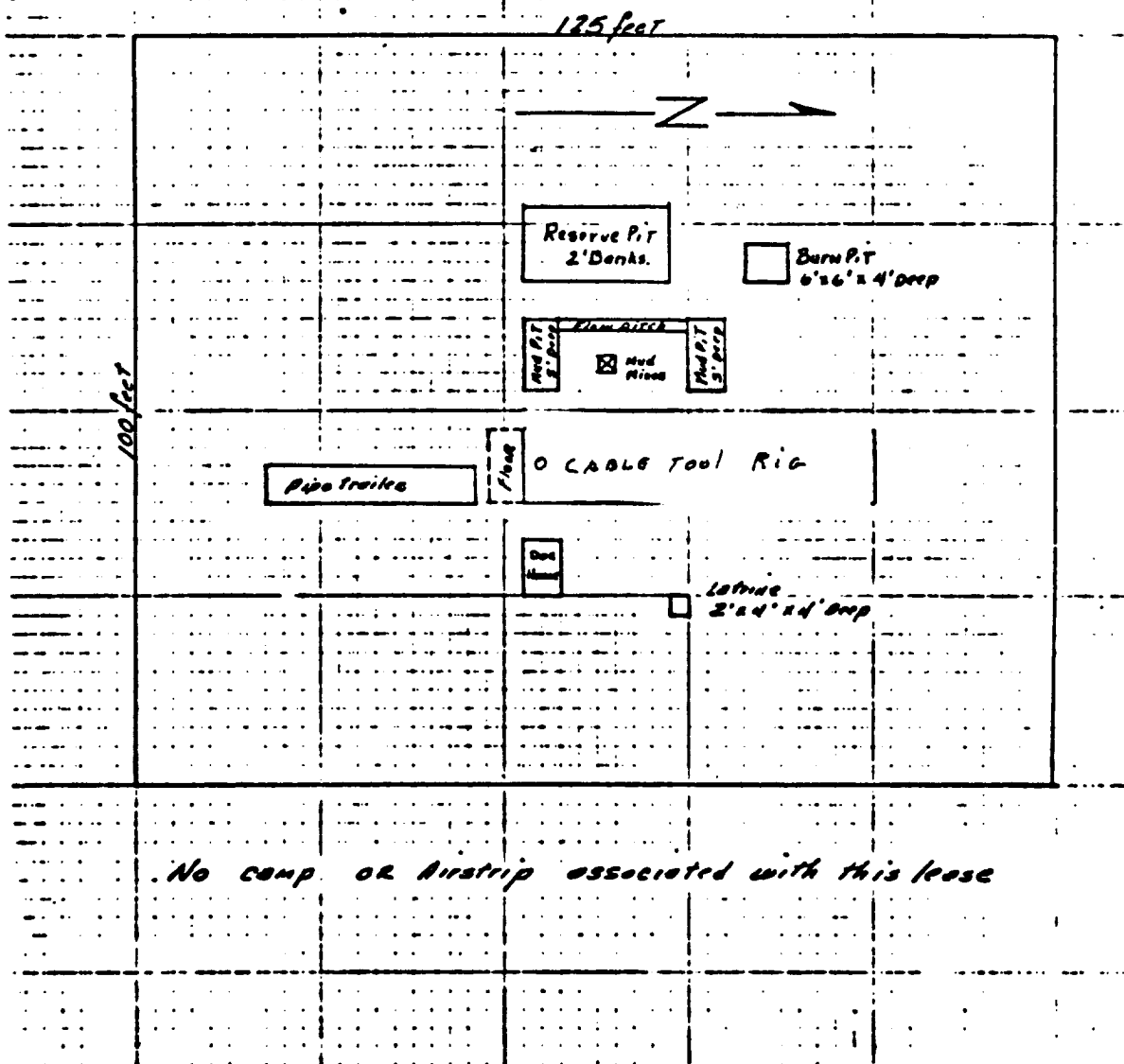
UTM GRID AND 1961 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

Noel Reynolds
Bosco #1

PROPOSED NEW ROADS

FOR SALE

Location AND Equipment Lay-out



DEVELOPMENT PLAN FOR SURFACE USE:

NOEL REYNOLDS
BOSCO #1 WELL
NE SW SEC. 11, T18N, R4W
Sandoval, Co. N.M.

1. Existing Roads: See Exhibit No. 4
2. Planned Access Roads: See exhibit no. 4. It is planned to use the existing roads, and build only 1,000 feet of new road as indicated by green lines on the exhibit, All necessary culverts will be installed, Very light grading will be done at present, improved as needed.
3. Location of wells : See Exhibit No. 3
4. Location of Production Facilities: This is a proposed oil well all production equipment will be located on the wellsite, one small pumping unit. All pipelines to be buried below surface.
5. Location and Type of Water Supply: Fresh water will be hauled from a nereby stream, approx. 2 miles and stored in a 200 Bbl. tank.
6. Source of Construction Materials: None Required.
7. Hauling of Waste Materials:
 - (a) Liquid Waste to be retained in earthen reserve pit.
 - (b) Burnable waste to be placed in a burn pit and burned at appropriate times.
 - (c) Non burnable waste to be placed near burn pit and buried or hauled off on completion.
 - (d) Latrine facilities to be furnished by contractor and waste hole filled on completion.
8. Ancillary Facilities ; None required.
9. Wellsite Layout: See Exhibit #2
10. Plans for restoration of surface: Upon completion of drilling the waste pits to be fenced until liquids evaporate sufficiently for filling. fill and grade down to conform as near as possible to topography an reseed per BLM specifications.
11. Other information: The proposed road and location pad is in clayey alluvial soil, Vegetation is small low growing sage brush, and thinly covered sacatone grass. This location will not require much dirt work.

12. Operators Representative: Noel Reynolds will be acting agent for this operation office and residence telephone is 505-325 6041, 505-334-9135
Noel Reynolds will also be the drilling contractor.
Robert E Lauth, Durango, Colorado will be the consulting Geologist.

13. Certification:

I hereby certify that I am familiar with the conditions which presently exist on the proposed drillsite and roadway. 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 supervised by Noel Reynolds. All subcontract work to be in conformity with this plan and the terms and conditions under which it is approved.

A handwritten signature in cursive script that reads "Noel Reynolds". The signature is written in dark ink and is positioned above a dashed horizontal line.

Noel Reynolds
Operator

Date: March 10, 1980

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
Noel Reynolds
3. ADDRESS OF OPERATOR
Box 356 Flora Vista, N.M. 87415
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' fsl, 1980' fwl
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

(other) Change from cable tools to rotary tools

5. LEASE
N.M. 11446
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Krivokapich
9. WELL NO.
Bosco # 1
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 11. T16N R4W
12. COUNTY OR PARISH
Sandoval
13. STATE
N.M.
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Change from cable tools to Faling 1500 rotary rig
use moderate mud program with bentonite and starch
Use full closing manual operated blowout preventer
Make Guiberson B 1

APPROVED

APR 4 1980

DISTRICT ENGINEER

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED Noel Reynolds TITLE operator DATE APR 28 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

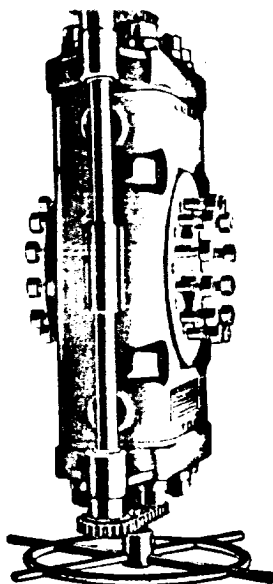
DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

*See Instructions on Reverse Side

state



Blowout Preventers



Chain Driven

HYDRAULIC CONVERSION UNITS

simply removing nuts at each end to exchange the plates, any Guiberson preventer may be converted to hydraulic operation. Ram assemblies are not changed when converting from manual to hydraulic operation.

ENGINEERING DATA

Specification	To Open	To Close
Maximum Operating Pressure, psi	2000	2000
Ratio	1:1	6.5:1
Volume Of Fluid, U.S. Gallons	.94	1.1
Fluid Volume Per Inch of Stroke, Cubic In.	16.5	18.6
Minimum Stroke, inches	7.0	7.0
Maximum Operating Pressure, kPa	13800	13800
Ratio	3.56	4.16
Volume Of Fluid, Liters	10645	12945
Fluid Volume Per Inch of Stroke, cm ³	177.8	177.8
Minimum Stroke, mm		

This is a picture of the B1 Blowout preventer that is being used to drill the Bosko #1.

RECEIVED

APR 1 1980

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well

2. NAME OF OPERATOR

Noel Reynolds

3. ADDRESS OF OPERATOR P.O. Box 356

Flora Vista, New Mexico 87415

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1980' from the South line, 1980' AT SURFACE: from the West line.
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐

(other) Revised casing program & pressure control equipment.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

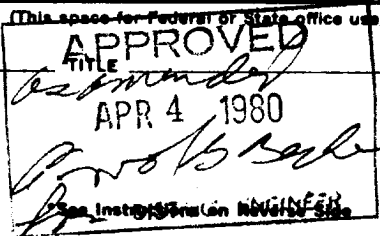
1. This well will commence in the Mancos shale and we do not anticipate any water bearing formations. The Gallup sand will be the first oil and or gas bearing formation encountered at approximately 950'. This is a very low pressure area and we do not anticipate any abnormal pressures or temperatures as potential hazards. However, we will be using an ^{SEE} ~~page 2~~ full opening valve and a oil saver on the 7 inch casing. Therefore, we can completely shut the well in, in case of unexpected flows.

2. We will run induction Gamma Ray and density logs.

3. The surface casing to be used is 90', 7", 20lb. J55 new 1980 and will be cemented to the surface with 25 sacks of grade B cement.

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED Noel ReynoldsTITLE operatorDATE 3-13-80APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

DATE

FIVE

MAR 17 1980

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

5. LEASE

NM 11446

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bosco

9. WELL NO.

1

10. FIELD OR WILDCAT NAME

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec 11

T16N, R4W

12. COUNTY OR PARISH 13. STATE

Sandoval Co New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

6007 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR

Noel Reynolds

3. ADDRESS OF OPERATOR P.O. Box 356

Flora Vista New Mexico 87415

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1980' from the South line, 1980' AT SURFACE from the West line
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

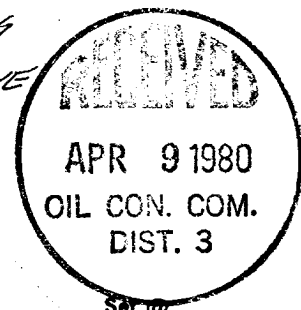
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(other) Revised casing program & pressure control equipment.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

3. (Cont.) The production casing will be 1000', 4½", 9.5lb. of J55 new casing, to be cemented with 100 sacks of grade B cement.

* Oil Well control Valve - 2000lb. pressure rating
Accompanied by an OIL SAVER + RELIEF VALVE



Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Noel Reynolds TITLE operator DATE 3-13-80

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

FIVE

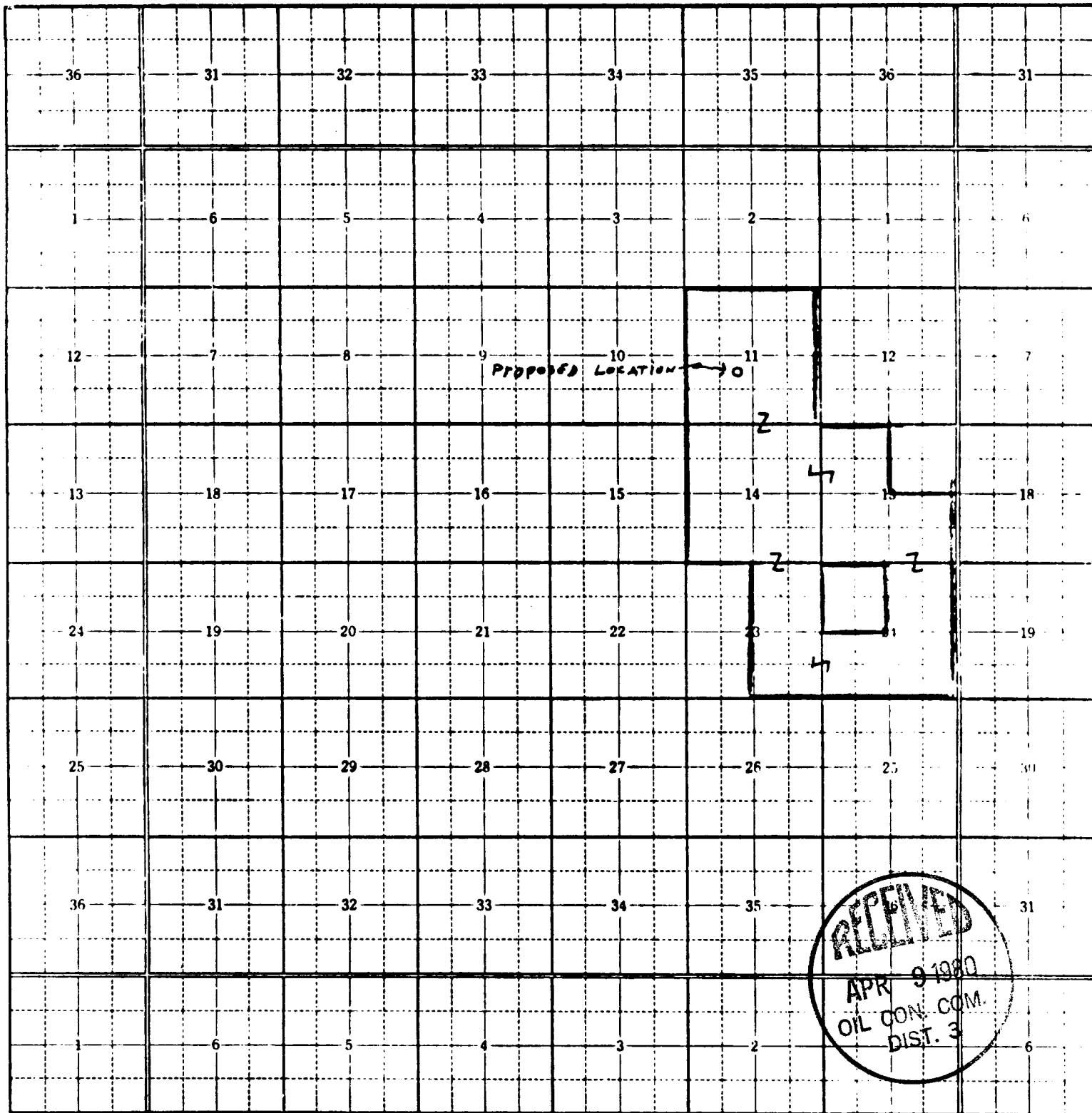
MAR 17 1980

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

*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

Island Township Plat



WE OFFER, SUBJECT TO PRIOR SALE: LEASE # N.M. 11446 (LEASE EXPIRES 3-31-80)
2560 ACRES