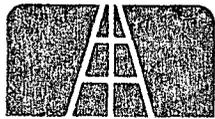
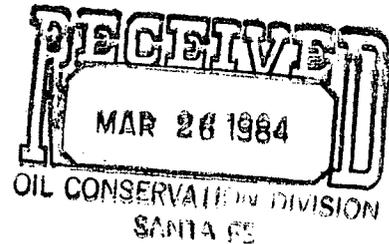


By GPQ



Greenwood  
Resources Inc.

315 Inverness Way South  
Englewood, CO 80112  
303-790-1266  
Telex - 45-0429



March 19, 1984

Energy & Minerals Department  
Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87401

Attn: Mr. Ernie Busch

**FEE LAND**

NSL-1865

RULE 104FI

RELEASE APRIL 16, 1984

RE: UNORTHODOX LOCATION  
KIRTLAND No. 14-1  
Cha Cha (Gallup) Oil Pool  
San Juan County, NM  
475' FNL & 510' FEL, SEC. 14,  
T29S, R15W

Dear Sir:

Greenwood Resources Inc. requests administrative approval for an exception to the well location requirements under Rule 3 of the Cha Cha (Gallup) Pool Rules for an unorthodox location due to topographic reasons, in order to drill our Kirtland No. 14-1 well. The original location for this well was 510' FNL & 510' FEL of Sec 14 T29S R15W; this location fell on the present road used for access to the area and within 20' of a drainage ditch used to drain the area to the north. In conversation with the land owner the location was moved to the only uncultivated area which was 50' northwest from the drainage ditch. All areas to the southwest are cultivated.

It is felt that this location is in the best interest of the land and mineral interests and will also allow the orderly development of this tract with minimum surface interference. Greenwood is the offset operator in all but one direction from this well.

Energy & Minerals Department  
Oil Conservation - Aztec, NM  
March 19, 1984  
Page 2

Attached, please find S & I's written consent in the form of a waiver for this location.

If you have additional questions on this matter please do not hesitate to contact me. Thank you in advance for your prompt handling of this matter.

Very truly yours,

GREENWOOD RESOURCES INC.



Poul E. Poulsen  
Manager of Engineering

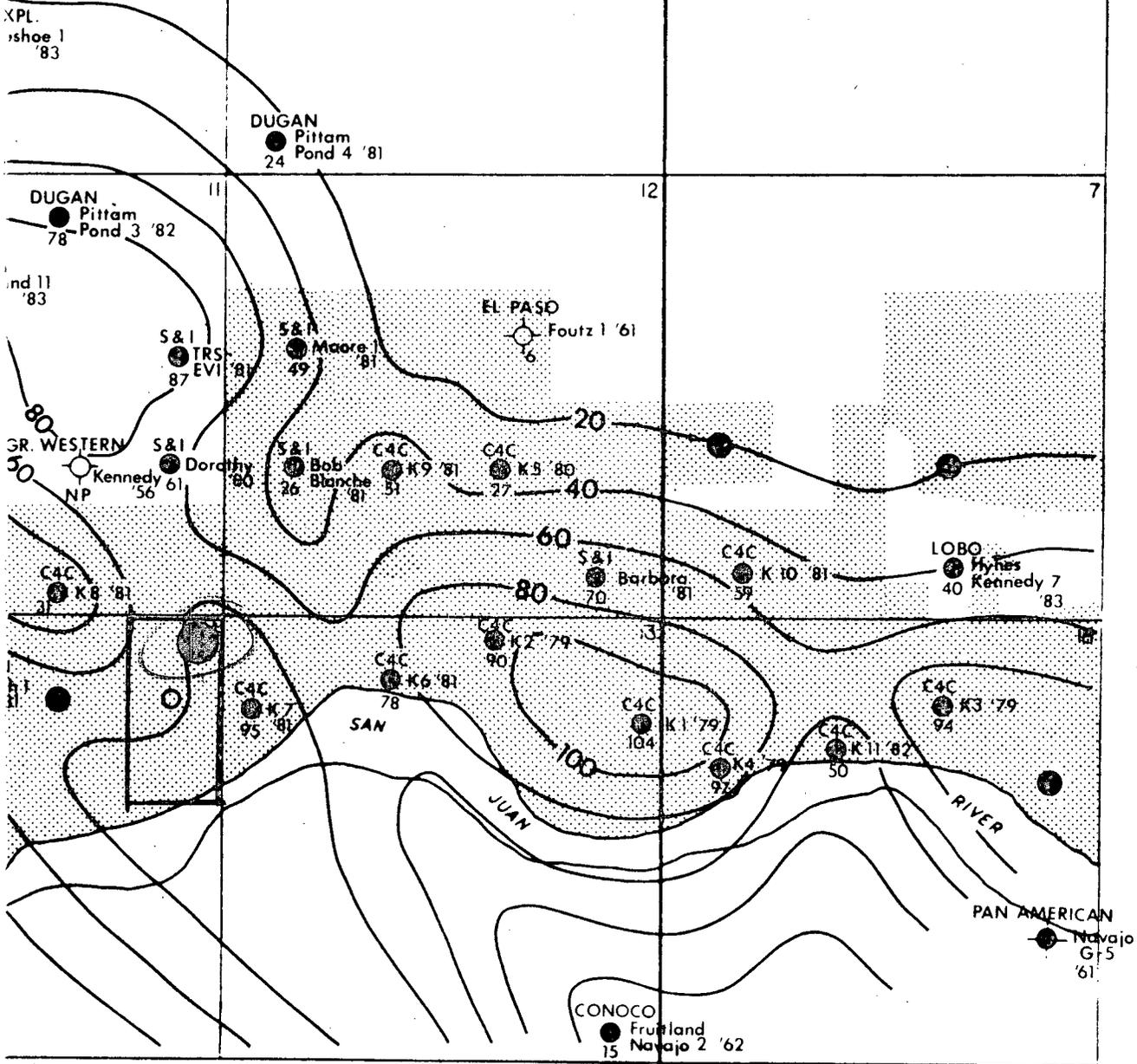
PEP:fjs

Attachments

cc: Joe Ramey, Director  
Santa Fe, NM

DUGAN  
Pittam  
Pond 1  
NP '79

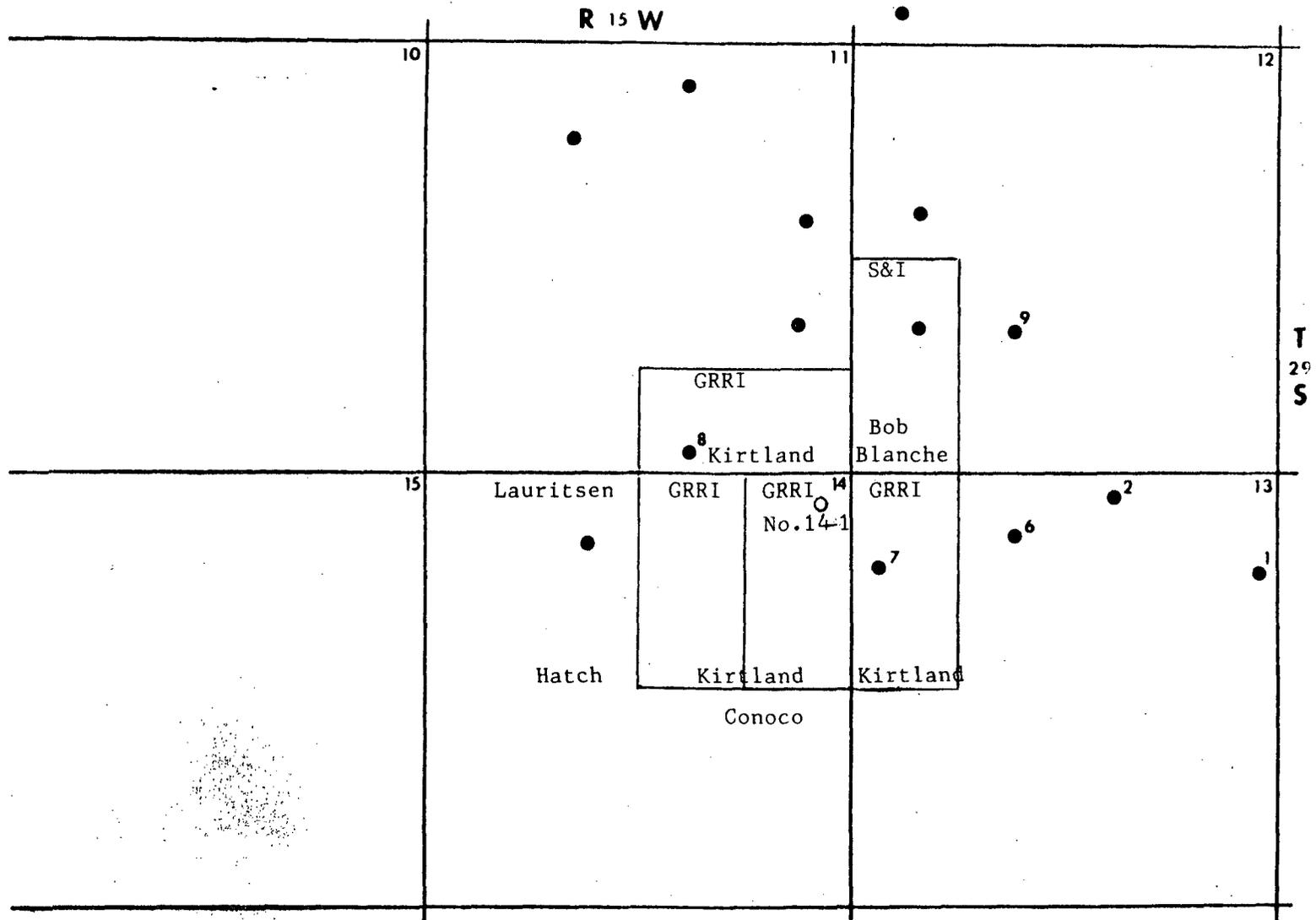
SUNRAY  
N. Mexico  
Fed. K-1  
'59



**GREENWOOD RESOURCES LTD.**  
Englewood, Colorado

**SAN JUAN CO. NEW MEXICO**  
**Cha Cha - Meadows Gallup Trend**

.....  
**ISOPACH MAP**  
Net Sand - Gallup Interval  
Isopach Interval: 20 feet



LOCATION PLAT - KIRTLAND NO. 14-1  
 San Juan County, New Mexico

GREENWOOD RESOURCES INC. (GRI)  
 Non-Standard Location Application  
 Due to Topographic Reasons



STATE OF NEW MEXICO  
 ENERGY AND MINERALS DEPARTMENT  
 OIL CONSERVATION DIVISION  
 AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
 AZTEC, NEW MEXICO 87410  
 (505) 334-6178

OIL CONSERVATION DIVISION  
 BOX 2088  
 SANTA FE, NEW MEXICO 87501

**RECEIVED**  
 MAR 26 1984  
 OIL CONSERVATION DIVISION  
 SANTA FE

DATE 3-20-84

RE: Proposed MC \_\_\_\_\_  
 Proposed DHC \_\_\_\_\_  
 Proposed NSL  \_\_\_\_\_  
 Proposed SWD \_\_\_\_\_  
 Proposed WFX \_\_\_\_\_  
 Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 3-19-84  
 for the Greenwood Resources Inc. Kirtland 14-1 A-14-29N-15W  
 Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Yours truly,

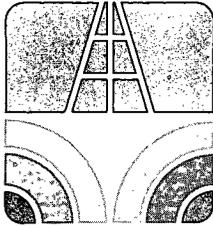
E. Buel

gpg



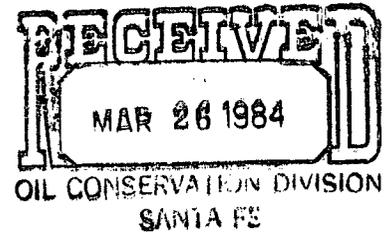
~~Send to Hearing because special  
 Rules don't have provision for NSL Administrative  
 approval.~~

~~gpg~~



Greenwood  
Resources Inc.

315 Inverness Way South  
Englewood, CO 80112  
303-790-1266  
Telex - 45-0429



March 19, 1984

Energy & Minerals Department  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico

Attn: Mr. Joe Ramey

RE: UNORTHODOX LOCATION  
KIRTLAND  
Cha Cha (Gallup) Oil Pool  
San Juan County, NM

Dear Sir:

Please disregard our application for a Non-Standard Unit on the above well mailed to you on March 15, 1984.

This location is 475' from the north lease line where as the field rules specify 510'. What we should be asking for is an administrative approval under Rule 104 Section F for an Unorthodox Location due to topographic reasons.

I hope that all the data submitted to you in our March 15, 1984, letter for the Unorthodox Location addressed to Mr. Ernie Busch in your Aztec office.

If you have any questions please do not hesitate to contact me.

Very truly yours,

GREENWOOD RESOURCES INC.

Poul E. Poulsen  
Manager of Engineering

PEP:fjs

**OIL CONSERVATION DIVISION**

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

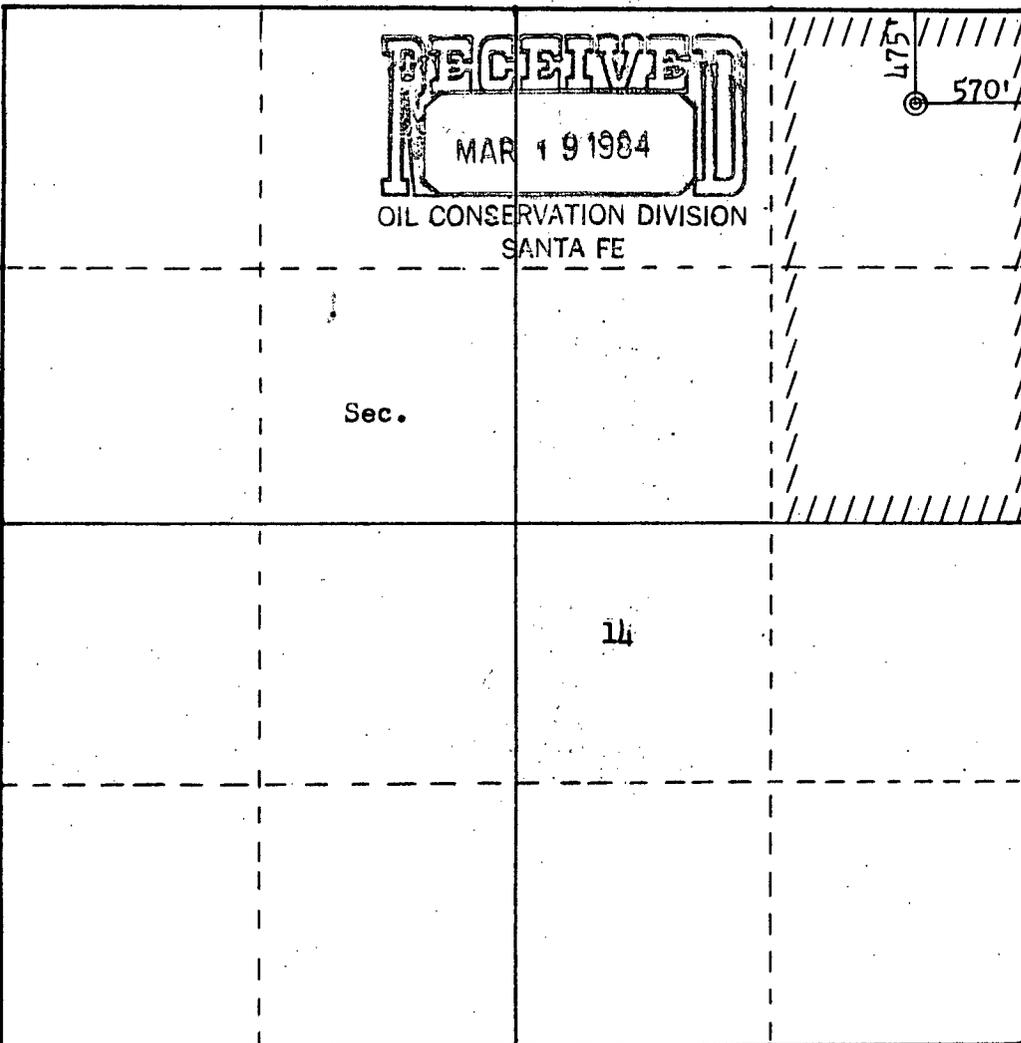
Operator <b>GREENWOOD RESOURCES, LTD.</b>		Lease <b>KIRTLAND</b>			Well No. <b>14-1</b>
Unit Letter <b>A</b>	Section <b>14</b>	Township <b>29N</b>	Range <b>15W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>475</b> feet from the <b>North</b> line and <b>570</b> feet from the <b>East</b> line					
Ground Level Elev: <b>5134</b>	Producing Formation <b>Gallup</b>	Pool <b>Cha-Cha</b>		Dedicated Acreage: <b>80</b> 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 Lease Communitized under Fee Lease Pooling Clause, Cha Cha Spacing Un

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.*

*Poul E. Poulsen*

Name  
**Poul E. Poulsen**

Position  
**Manager of Engineering**

Company  
**GREENWOOD RESOURCES INC**

Date  
**March 13, 1984**

*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  
**March 7, 1984**

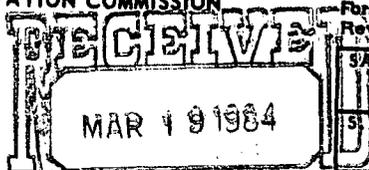
Registered Professional Engineer and Land Surveyor.

*Fred E. Kery Jr.*  
**Fred E. Kery Jr.**

Certificate No. **4, 4888, N.M.**  
**2050**

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FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION



Form C-101  
Revised 1-4-85

5A. Indicate Type of Lease  
STATE  FEE   
5B. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK SANTA FE

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Kirtland	
2. Name of Operator GREENWOOD RESOURCES INC.		9. Well No. 14-1	
3. Address of Operator 315 Inverness Way South, Englewood, CO 80112		10. Field and Pool, or Wildcat Cha Cha (Gallup)	
4. Location of Well UNIT LETTER <u>A</u> LOCATED <u>475</u> FEET FROM THE <u>North</u> LINE AND <u>570</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>14</u> TWP. <u>29N</u> RGE. <u>51W</u> NMPM		12. County San Juan	
21. Elevations (Show whether DF, RT, etc.) 5134' GL		19. Proposed Depth 4750'	19A. Formation Gallup
21A. Kind & Status Plug. Bond Statewide		20. Rotary or C.T. Rotary	22. Approx. Date Work will start 3-10-84
21B. Drilling Contractor Four Corners			

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/2"	8 5/8"	23	330'	275	Circ
7 7/8"	4 1/2"	9.5	4750'	970	Circ

- 1) Drill surface hole to 340'
- 2) Set 8 5/8" 23# ST&C casing @ 340'. Cement with 275 sx Reg. cement with 1/4# flo-seal per sx, 3% CaCl
- 3) Drill 7 7/8" hole to 4750'
- 4) Run GR/Density/Caliper log
- 5) Run 4750' of 4 1/2" 9.5# ST&C casing, DV tool approximately 3095'
- 6) Cement with 970 sx cement in 2 stages, circulate cement

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Paul E. Pouben Title Manager of Engineering Date 3-13-84

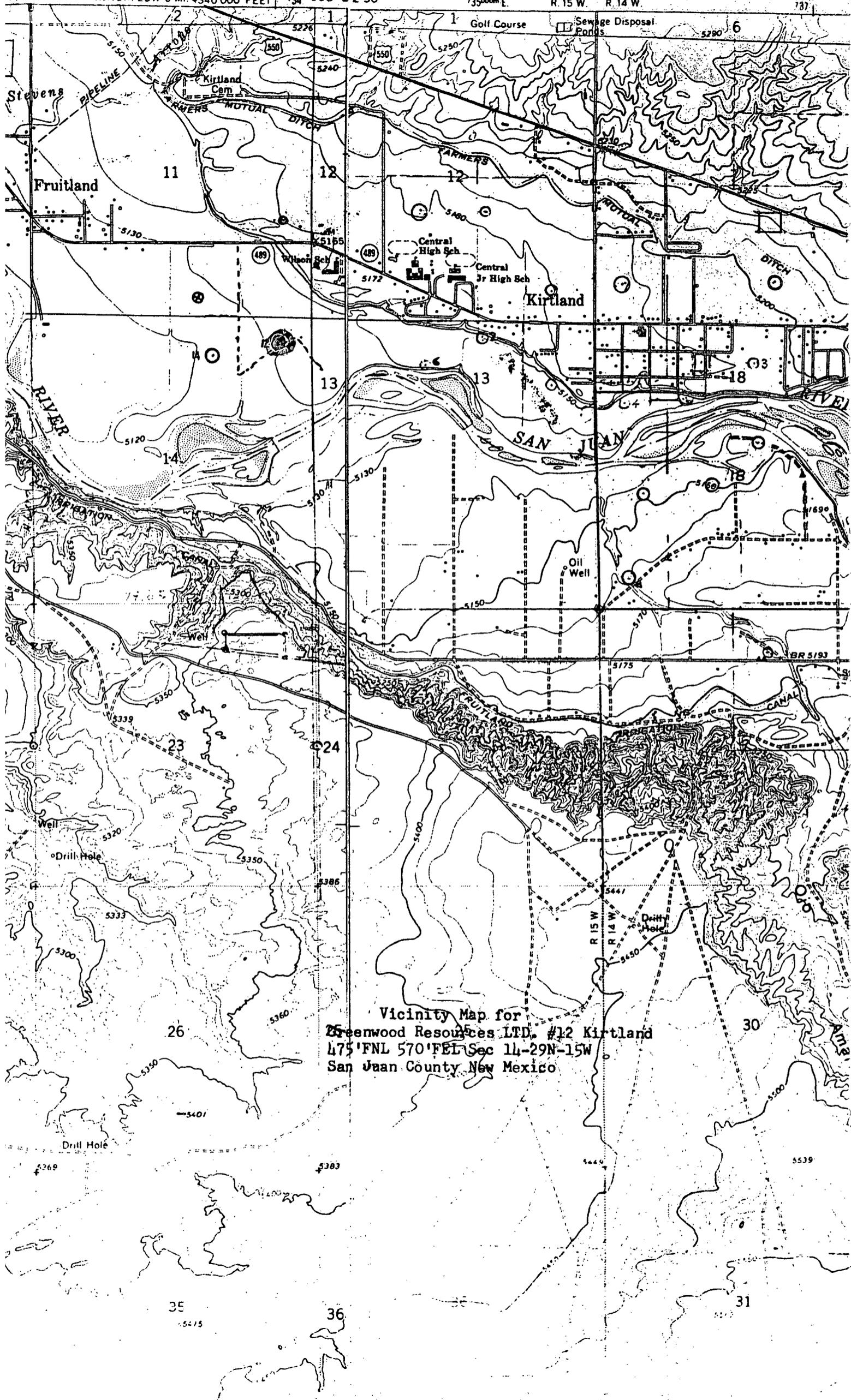
(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

SHIPROCK 18 MI  
WATERFLOW 6 MI 340 000 FEET 734 108° 2' 30"

735000m E. R. 15 W. R. 14 W.



Vicinity Map for  
Greenwood Resources LTD. #12 Kirtland  
1475' FNL 570' FEL Sec 14-29N-15W  
San Juan County New Mexico