

Fax Cover Page

Reliance Operating Company
P.O. Box 10946
Midland, Texas 79702

Phone: 915-683-4816
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Date: 7-18 97 Fax #: 505-822-1389 Total Pages: 6

To: Michael Stogner Company: NM Oil & Gas Comm.

From: James Berryman Company: R.O.M.

Other Details:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slightly textured appearance, typical of standard office paper. There is no handwriting or other markings on the page.

RELIANCE OPERATING COMPANY



P. O. BOX 10946 ◆ 505 N. BIG SPRING #503 ◆ MIDLAND, TEXAS 79702
Phone 915-683-4816 ◆ Fax 915-682-1250

July 18, 1997

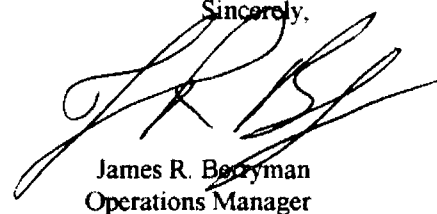
Michael Stogner
New Mexico Oil and Gas Commission
Santa Fe, New Mexico

Re: Unorthodox Location
Crossroads Devonian West Field
Federal D #3
Sec. 31, T9S, R36E
Lea County, New Mexico

Dear Michael,

We are applying for permission to drill this well in this unorthodox location because of the structure of the Fusselman formation as defined by our 3-D seismic data. Attached, Please find our BLM Application for Permit to Drill, Form C-102, Area map and structure map.

Sincerely,



James R. Berryman
Operations Manager

(OPERATOR'S COPY)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSUBMIT IN TRIPLICATE
(Other instruct on reverse side)Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒GAS WELL ☐

OTHER

SINGLE ZONE ☐MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Reliance Operating Company

3. ADDRESS OF OPERATOR

P O Box 10946, Midland TX 79702

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

At surface

1120' FSL & 1420' FEL UNORTHWOODX Subject to
LOCATION: LINDA APPROVED
By State

At proposed prod. zone

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

4 miles SE of Crossroads

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

1120'

16. NO. OF ACRES IN LEASE

160

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.

863.8'

19. PROPOSED DEPTH

12,300'

20. ROTARY OR CABLE TOOLS

Rotary

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

4059' GR

22. APPROX. DATE WORK WILL START*

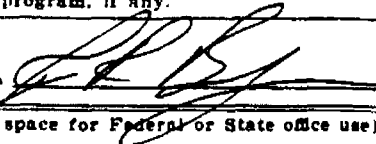
ASAP

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8"	48-54.5#	450' ±	360 SX
11"	8 5/8"	32#	4500' ±	1450 SX
7 7/8"	5 1/2"	17 & 20#	12300' ± 1/2, 200'	535 SX

Will attempt to stop drilling at the top of the Fusselman formation, set & cement 5 1/2" casing and open hole complete. If not successful in Fusselman will attempt to perf & complete in Wristen formation.

4. 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.

SIGNED 

TITLE Operations Supervisor

DATE May 20, 1997

PERMIT NO.

APPROVAL DATE

APPROVED BY



TITLE

ADM, Minerals

DATE

7/16/97

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

The 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I
P.O. Box 1800, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer 80, Artesia, NM 88210

OIL CONSERVATION DIVISION

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number	Pool Code	Pool Name
Property Code	Property Name FEDERAL "D"	Well Number 3
OGRID No.	Operator Name RELIANCE OPERATING CO.	Elevation 4059'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	31	9 S	36 E		1120	SOUTH	1420	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

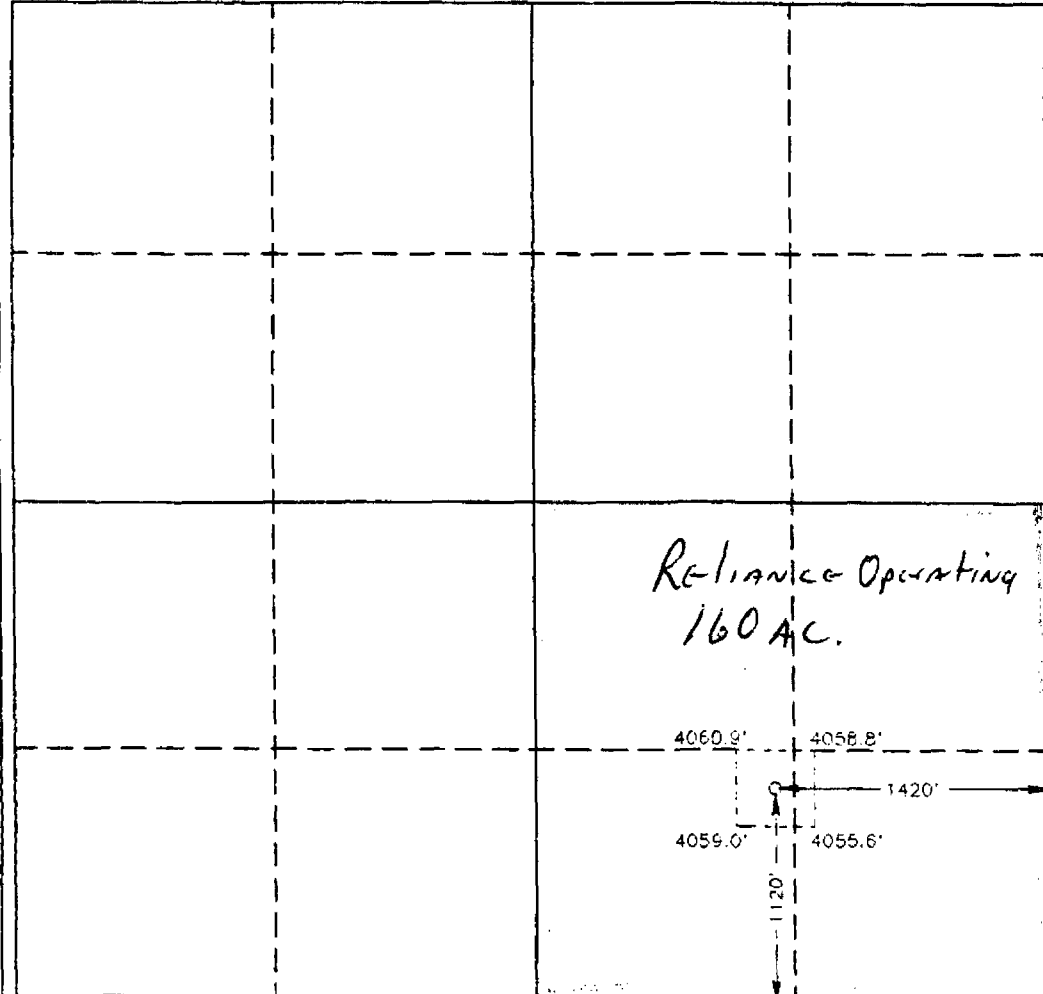
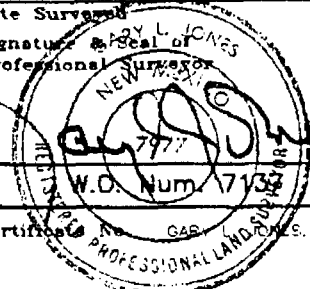
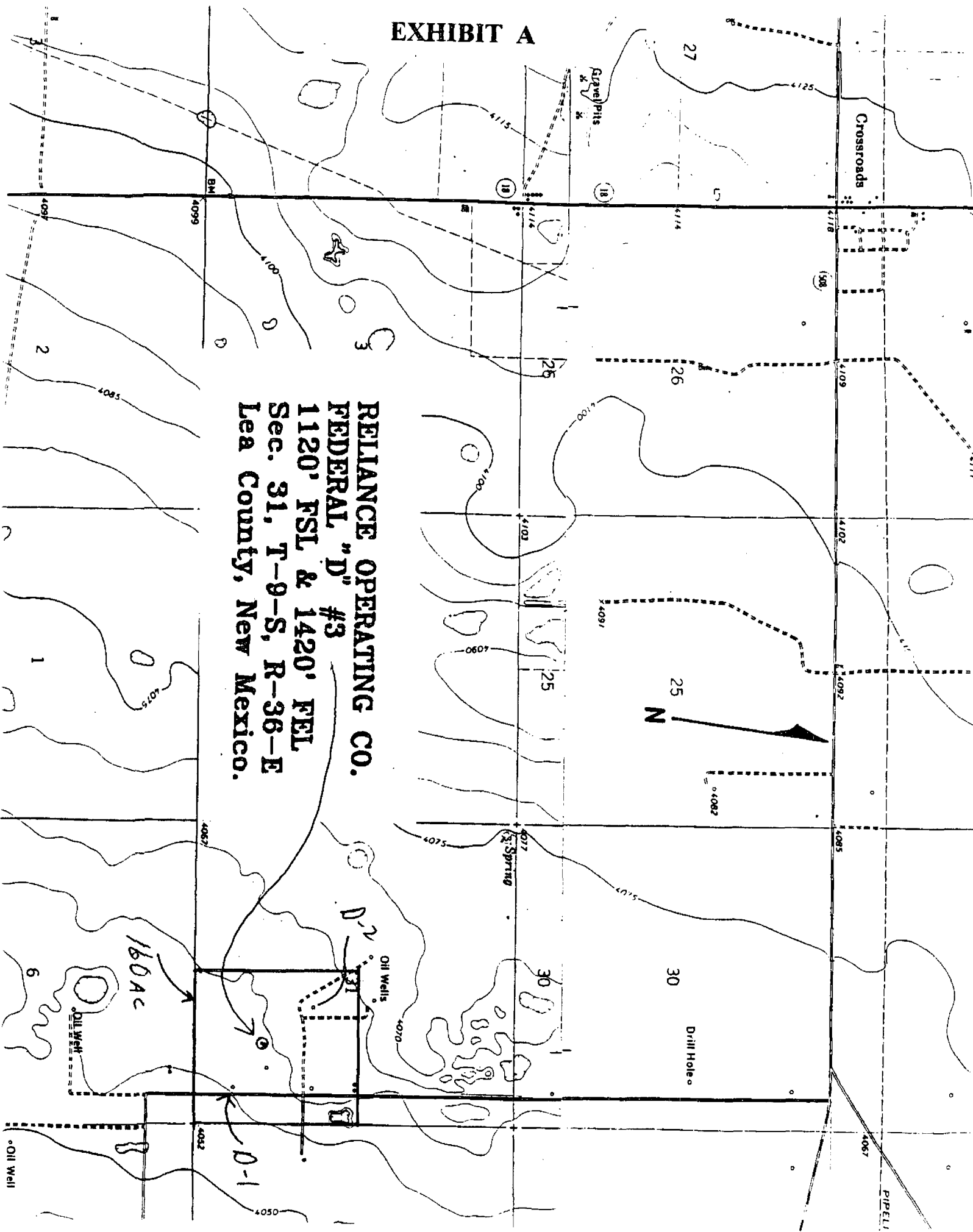
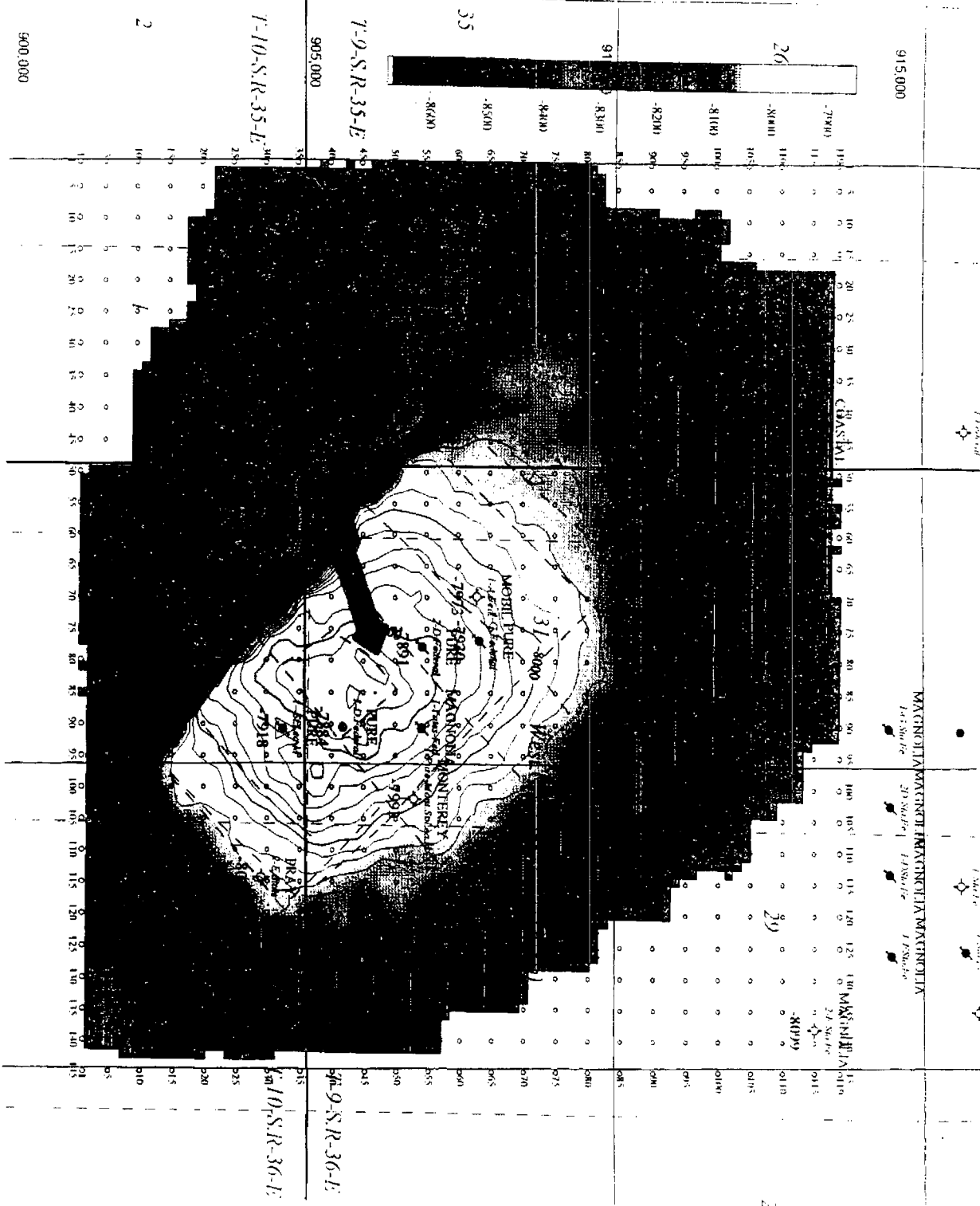
	OPERATOR CERTIFICATION I hereby certify the information contained herein is true and complete to the best of my knowledge and belief. Signature _____ Printed Name _____ Title _____ Date _____
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. March 25, 1997 Date Surveyed _____ Signature of _____ Professional Surveyor  W.D. Jones W.D. Num 7977 Certificate No. 7977

EXHIBIT A

RELIANCE OPERATING CO.
FEDERAL "D" #3
1120' FSL & 1420' FEL
Sec. 31, T-9-S, R-36-E
Lea County, New Mexico.





Map base digitized from USGS topographic map bases
 (crossroads and Ranger Lake, HM, N-T coordinate system
 in New Mexico and zone
 Minor faults are shown as dashed lines
 Surveyed well locations are shown as circles

TOWHEE EXPLORATION
 Midland, Texas
WEST CROSSROADS PROJECT
 Lea county, New Mexico

DEPT: Devonian

Scale: 1 inch = 1 mile

A W Route III map scale 1" = 2000'

COUNTY *Lea*POOL *West Crossroads - Devonian*TOWNSHIP *9 South*RANGE *36 East*

NMFM

6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	35	36	

Description: ^{SE} ~~7~~ Sec. 31(R-1572, 2-1-60)Ext: ^{NE} ~~7~~ Sec. 31(R-1772, 10-1-60)