

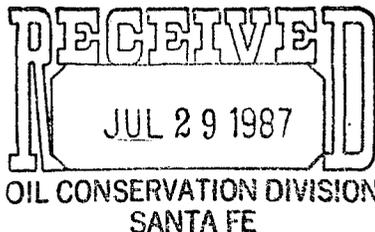
Release Date: July 29, 1987
No effects

By DCC



Sirgo-Collier, Inc.

P. O. Box 3531, Midland, Texas 79702 (915) 685-0878



NSL-2363
RULE-104 F(I)

State of New Mexico
Energy and Mineral Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

West Dollarhide Queen Sand
Unit Well No. 76

Dollarhide Queen Pool
40 Acredd.
SW1/4 SE1/4 Sect 30

Re: Unorthodox Locations
WDQSU 30-76
~~2350'~~ 2300' FEL, 125' FSL,
Section 30, T-24-S, R-38-E
Lea County, New Mexico

Ladies and Gentlemen:

This letter shall serve as our request to have the unorthodox locations described above approved by your office.

On the attached plat you will note our locations lie within the unit boundaries of the West Dollarhide Queen Sand Unit. We are requesting these locations be approved because these locations will allow us to establish a more efficient waterflood pattern in the field.

Should you have additional questions, please call.

Sincerely,

Brian M. Sirgo

BMS:ba

attachment

cc: OCD - Hobbs
Jerry Sexton

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.
LC-067968

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
WDQSU

8. FARM OR LEASE NAME

9. WELL NO.
30-76

10. FIELD AND POOL, OR WILDCAT
WDQSU

11. SEC., T., E., M., OR BLE.
AND SURVEY OR AREA
Sec 30, T24S, R38E

12. COUNTY OR PARISH
Lea

13. STATE
NM

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
Sirgo-Collier, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 3531, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
 At surface
Unit P, 2300' FEL, 125' FSL, Sec. 30, T24S, R38E
 At proposed prod. zone
Queen

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
7 miles NE of Jal, New Mexico

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)
320

16. NO. OF ACRES IN LEASE
320

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.
3920

19. PROPOSED DEPTH
3920

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL 3117

22. APPROX. DATE WORK WILL START*
7-24-87

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<u>12 1/4</u>	<u>8-5/8</u>	<u>24#</u>	<u>400</u>	<u>250 sx 100% excess</u>
<u>7-7/8</u>	<u>5 1/2</u>	<u>15.50#</u>	<u>3920</u>	<u>Circulate to surface</u>

Queen zone will be selectively perforated and stimulated as needed for optimum production.

- ATTACHED:
1. Well location and acreage dedication plat.
 2. Supplemental drilling data.
 3. Surface use plan.

18. 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 _____ TITLE Agent DATE 7/20/87
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

*See Instructions On Reverse Side

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.

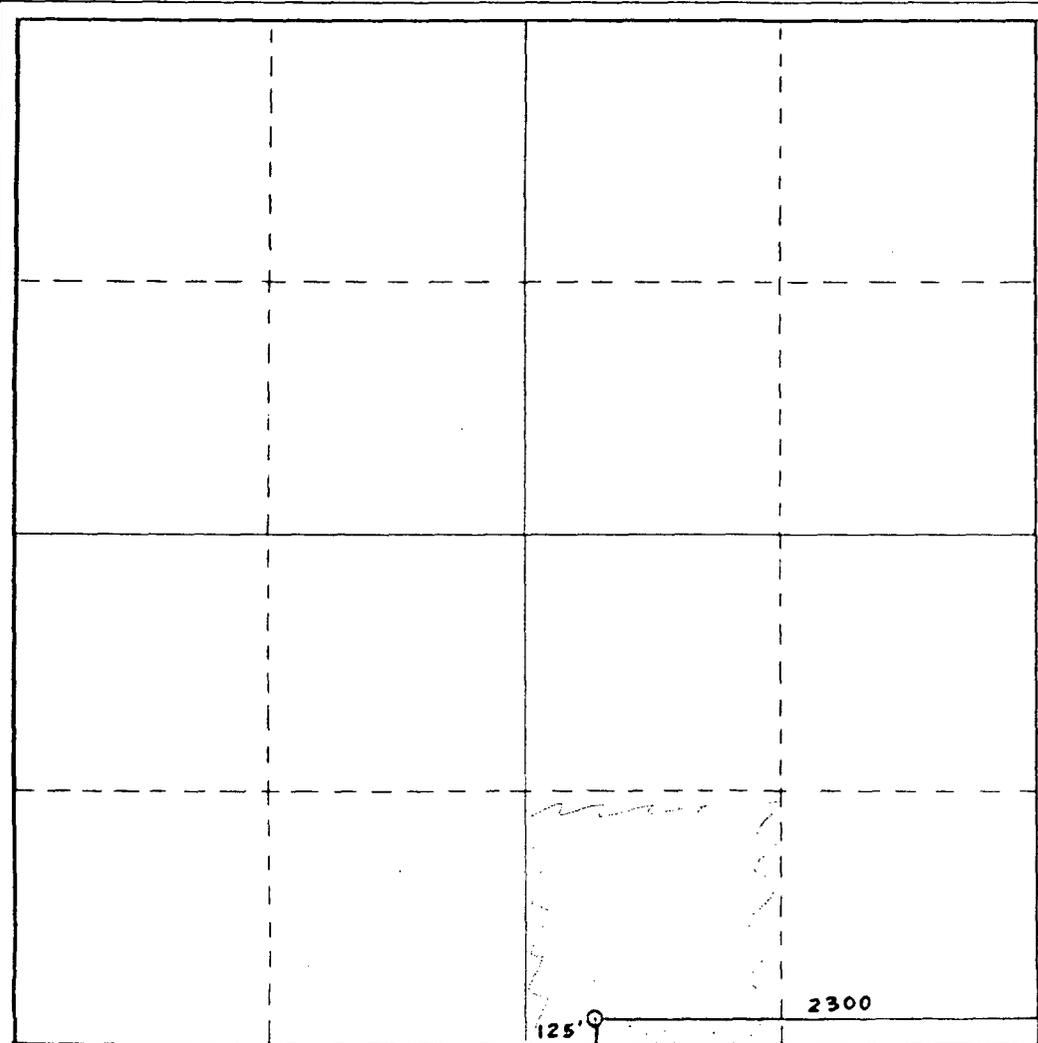
Operator Sirgo-Collier, Inc.		Lease WDQSU 30-76			Well No. 76
Unit Letter P	Section 30	Township 24S	Range 38E	County Lea County, New Mexico	
Actual Footage Location of Well: 2300 feet from the East line and 125 feet from the South line					
Ground Level Elev. 3117	Producing Formation Queen	Pool WDQSU		Dedicated Acreage: 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 Commission.



CERTIFICATION

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

Timothy D. Collier

Name

Agent

Position

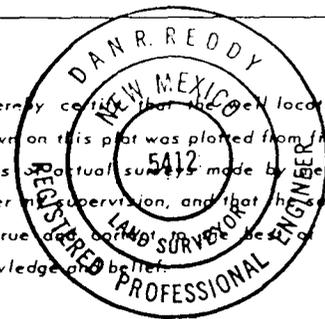
Sirgo-Collier, Inc.

Company

July 20, 1987

Date

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.



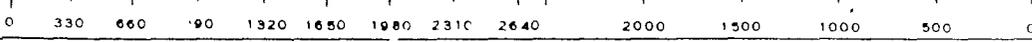
Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy

Certificate No.

NM PE&LS NO. 5412



THIRTEEN POINT PROGRAM

1. Existing Roads: Existing roads which lead to the proposed drillsite are shown on Exhibit "B".
2. Proposed New Road: Proposed new access road will be (see Exhibit "B"). Road will terminate at south end of proposed well pad. The road has been flaged and staked.
 - A. Width: 15 feet with 25 feet Right of Way.
 - B. Surfacing Material: Caliche
 - C. Road Design: New road will be constructed by grading Right of Way and surfacing driving area with caliche.
 - D. Culverts: None Necessary
 - E. Gates, Cattleguards: None Necessary
3. Location of Existing Wells: Existing wells in vacinity of proposed drillsite are shown on Exhibit "F".
4. Location of Existing and/or Proposed Facilities:
 - A. This is a producing unit and a tank battery is located in the NW/SW section 32-24-38 Unit L.
 - B. If the well is productive, a flow line will be laid on top of the ground to existing facility via nearest flow line.
5. Location and Type of Water Supply: It is not planned to drill a water supply well. Water for operations will be transported via 3" line from existing battery. Temporary line will be laid on surface along existing road right of way.
6. Source of Construction Materials: Materials for construction of the proposed new well pad and road will be obtained from an existing pit on private land (Clyde Cooper Pit) if any.
7. Methods of Handling Waste Disposal:
 - A. Drill cuttings will be disposed of in the drilling pits.
 - B. Drilling fluids will be allowed to evaporate.
 - C. Water produced during test will be disposed in drill pit.
 - D. Oil produced during test will be stored in test tank to sell.
 - E. Trash, waste paper, garbage, and junk will be buried in trash pit with a minimum of 24" of dirt. All waste material will be contained to prevent scattering by wind. Location of trash pit see Exhibit "C".

7. Methods of Handling Waste Disposal: (Continued)

- F. All trash and debris will be buried or removed from wellsite in a prudent manner upon completion.

8. Auxiliary Facilities: None Anticipated

9. Wellsite Layout:

- A. The wellsite has been surveyed and a 400' X 400' area has been staked and flagged.
- B. The dimensions and relative location of the wellsite are shown on Exhibit "C".

10. Plans for Restoration of the Surface:

- A. After completion, materials not needed will be removed. Pits will be filled and the location cleaned.
- B. Any unguarded pits will be fenced until filled.
- C. After abandonment, all equipment, trash and junk will be removed. Fee surface land will be rehabilitated as to owners agreement.

11. Other Information:

- A. Topography: Undisturbed wellsite elevation is 3161' situated on the west-facing shoulder of a prominent ridge system which overlooks monument draw.
- B. Soil: Sandy clay loam soils hosting caliche inclusions.
- C. Land Type and Use: The vicinity surrounding drillsite is semi-arid rangeland and its primary use is for the production of oil and gas for grazing.
- D. Flora: Vegetation cover is grassland type.
- E. Fauna: None Observed
- F. Ponds and Streams: None
- G. Water Wells: One mile to south, water for flood operations not known if portable.
- H. Residences and Other Structures: None in area.
- I. Archaeological, Historical and Cultural Sites: No sites observed.

12. Operator's Representative: Representative responsible for assuring compliance with the approved surface use plan.

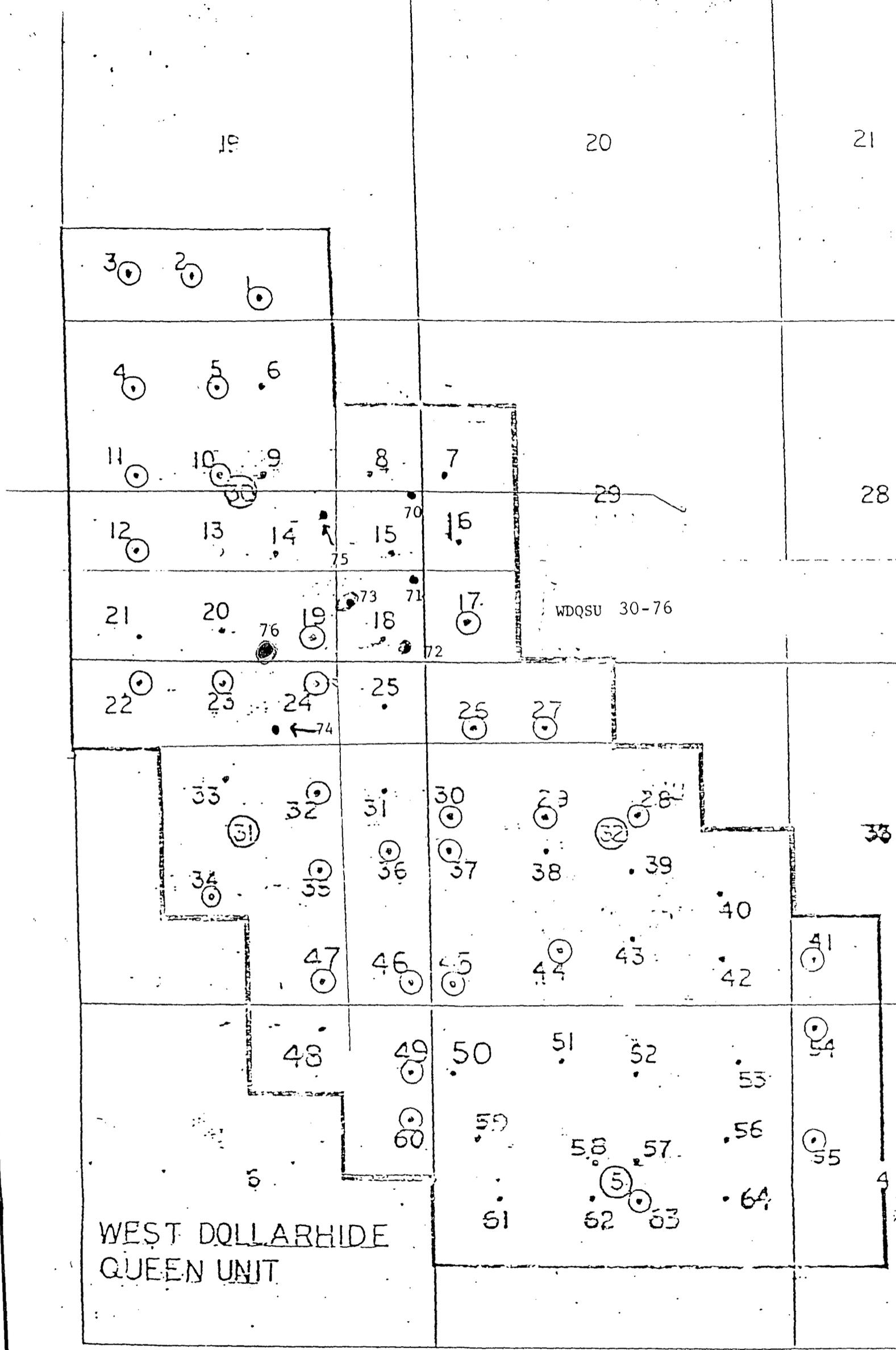
Timothy D. Collier
P.O. Box 3531
Midland, Texas 79702
Work - 915/685-0878
Home - 915/684-7757

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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 knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by SIRGO-COLLIER, INC. and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

July 20, 1987

Timothy D. Collier, Agent for
Sirgo-Collier, Inc.



Plat of Unit wells by Unit well number.

Supplemental Drilling Data
 Sirgo-Collier, Inc.
 WDQSU 30-76
 2300" FEL, 125' FSL, Section 30, T-24-S, R-38-E
 Lea County, New Mexico

1. Surface Formation: Tertiary Pliocene, GL 3117'

2. Estimated Tops of Geologic Markers:

Rustler	1140'	T/Yates	2700'
Top/Salt	1300'	T/Queen	3640'
Base/Salt	2580'	B/Queen	3820'
		TD	3920'

3. Anticipated Porosity Zones: Queen 370Q' Oil

4. Casing Design:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8-5/8"	0 - 400'	24.00#	J-55	STC
5-1/2"	0 - 3920'	15.50#	J-55	STC

5. Surface Control Equipment: Double RAM-type, Series 900 + BOP with annular (See Exhibit).

6. Circulating Medium: Native, cut brine conditioned as necessary for control of viscosity and water loss.

7. Auxiliary Equipment: None

8. Testing, Logging and Coring Programs: Electric Logs - Dual Laterlog/MICRO Laterlog/Gamma Ray/Caliper Compensated Density Log. Possible core from 3750' - 3850'.

9. Abnormal Pressure, Temperature of Gases: None anticipated.

10. Anticipated Starting Date: Operations will commence upon approval approximately May 5, 1987. Duration of drilling, completion and testing, about 5 weeks.

Surface Use Plan For
Drilling, Completing and Producing

Sirgo-Collier, Inc.
WDQSU 30-76
2300 ' FEL, 125' FSL, Section 30, T-24-S, R-38-E
Lea County, New Mexico
GL 3117'

Located: Approximately 5 air miles northeast of Jal, New Mexico

Lease Number: LC-067968

Record Lessee: Sinclair

Bond Coverage: Sirgo-Collier, Inc., Federal Statewide

Acres in Lease: 320

Surface Owner: Bill & L.B. Grove and Estate of Clyde Cooper, Jal, New Mexico

Well Spacing: 40 acre West Dollarhide Queen Sand Unit

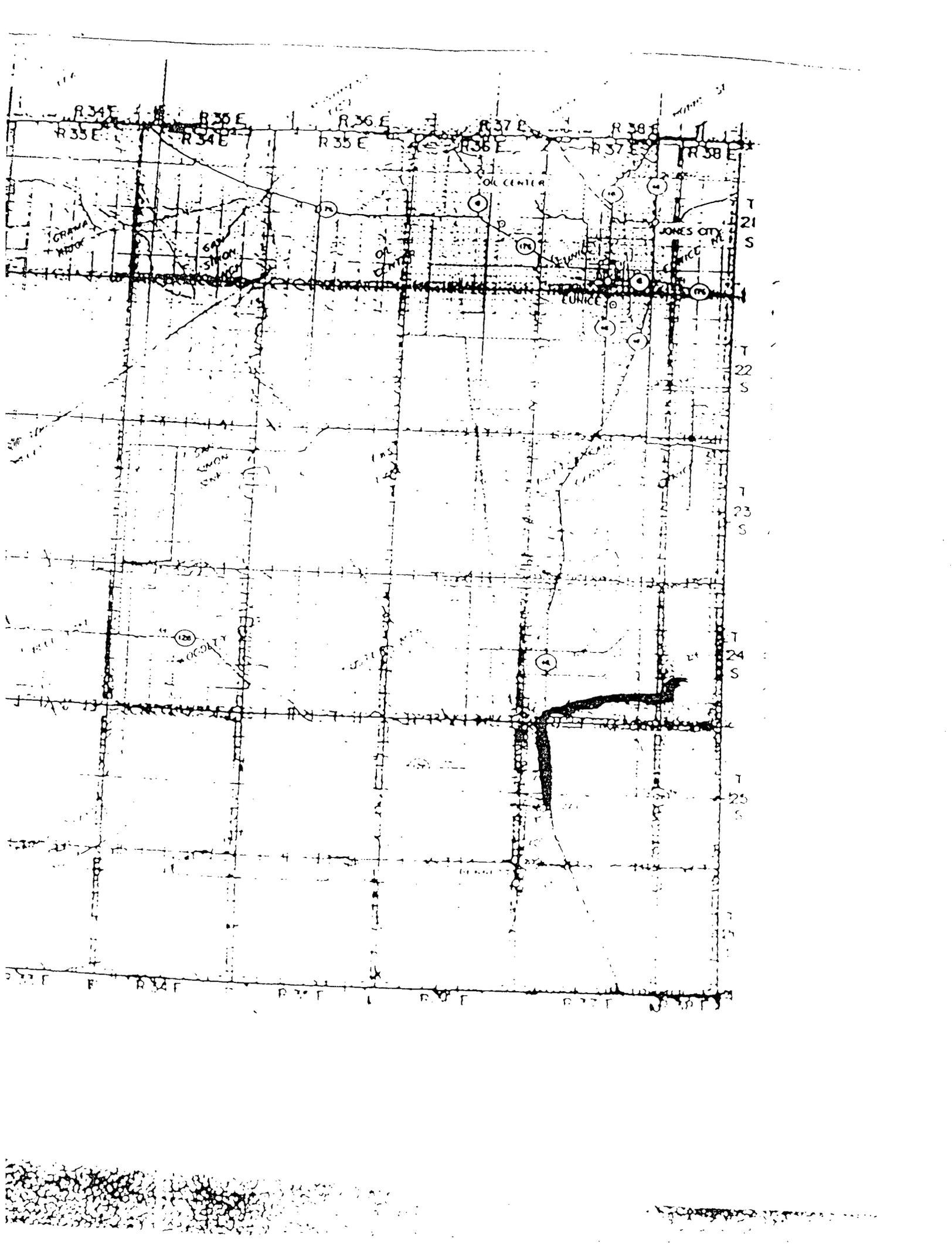
Exhibits: A - WDQSU Lease Map
 B - Topo
 C - Sketch of Well Pad
 D - Sketch of electrical lines if any and flow lines
 E - Road Map
 F - Well locations adjacent to drill location

ROAD LOG TO SIRGO-COLLIER, INC.
WDQSU30 -76

Starting Point is Jal, New Mexico. Go north on State Road 18 $3\frac{1}{2}$ miles to El Paso Natural Gas Plant #3 road. (If you check road mile marker #13 is about a $\frac{1}{2}$ mile north of this turn off.)

Turn east at plant #3 road, follow black top approximately 5 miles until it dead ends, turn north for one mile, turn east and continue $1\frac{1}{2}$ miles. You enter WDQSU about 300' north of well #22.

Drill Site: 2300 ' FEL, 125' FSL, Section 30, T-24-S, R-38-E
Lea County, New Mexico



Peterson Drilling Company Rig 2 location plat

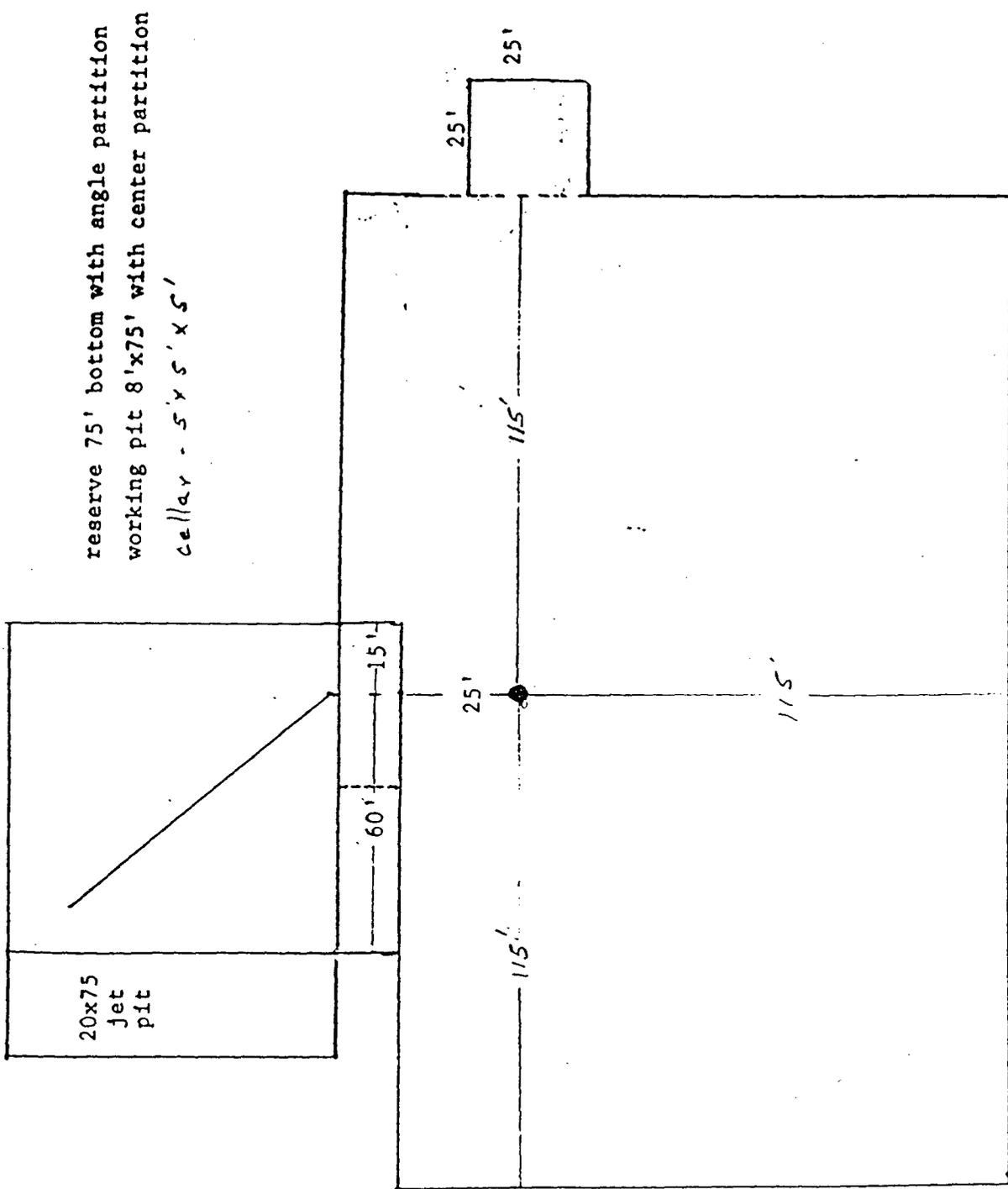


Exhibit C

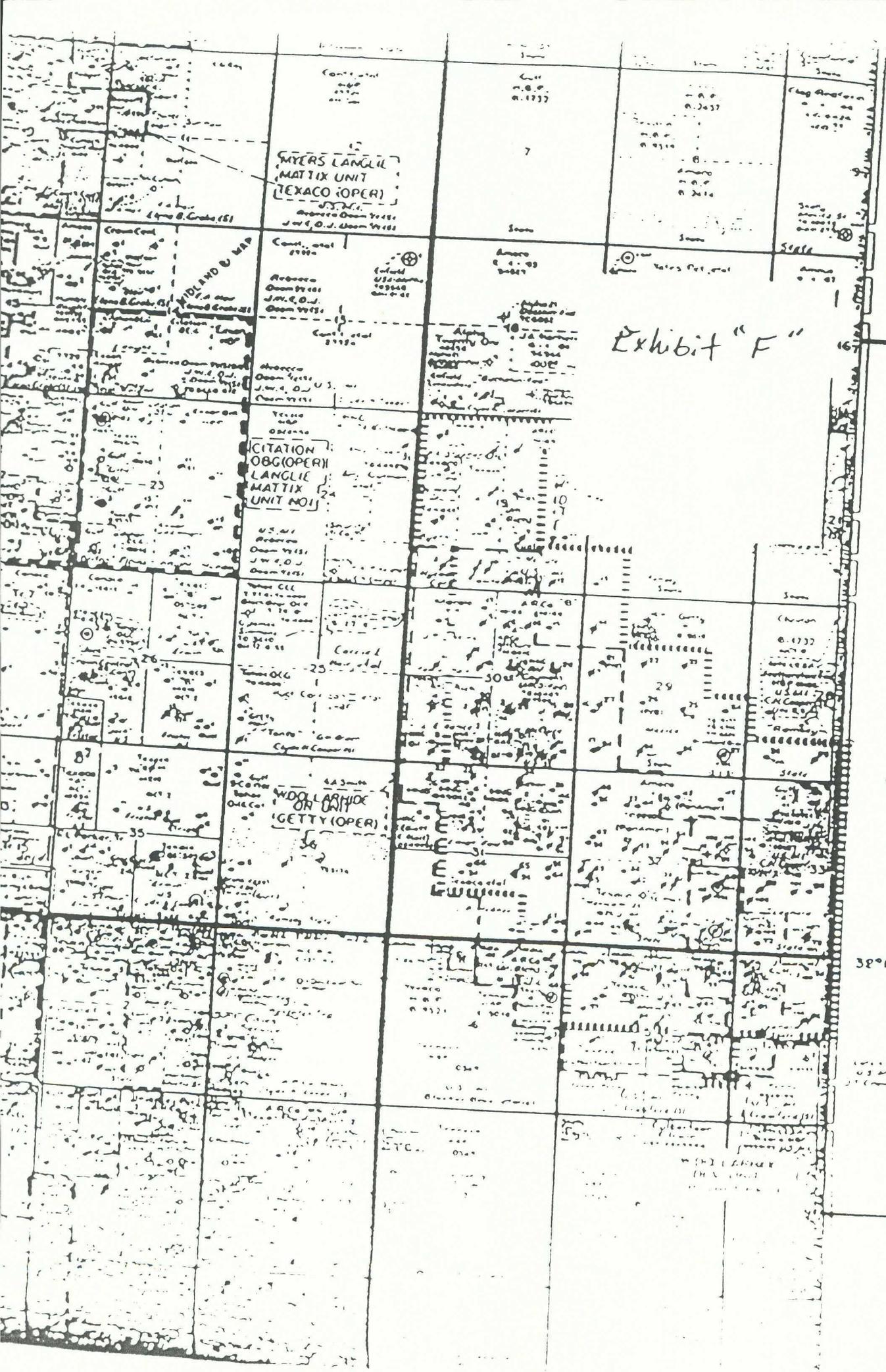


Exhibit "F"

T
24
S

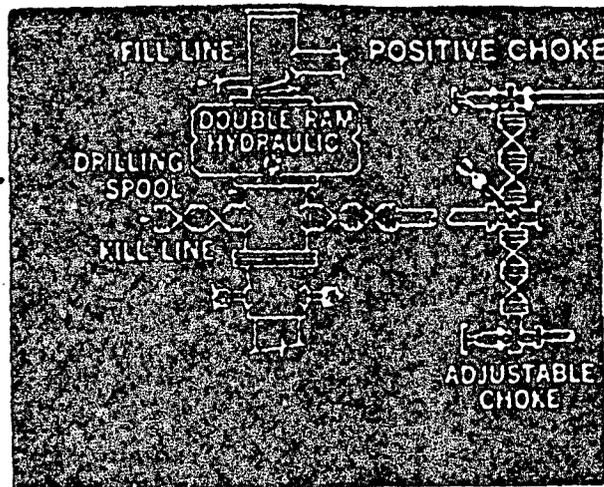
BLK A-52

32°10'

BOP Description

PETERSON DRILLING COMPANY

Rig #2



Archaeological Clearance Report

for

SIRGO-COLLIER, INCORPORATED

WDQSU "30" Well No. 76
Section 30, T24S, R38E, NMPM, Lea County, NM

Prepared

By

Dr. J. Loring Haskell

Submitted

By

Dr. J. Loring Haskell
Principal Investigator
New Mexico Archaeological Services, Inc.
Carlsbad, New Mexico

21 July 1987

Permit No. 14-2920-87-G

Report Number: NMAS-1987- 5 -JY

ABSTRACT

New Mexico Archaeological Services, Inc., representing SIRGO-COLLIER, INCORPORATED, Midland, undertook a Class III survey of Bureau of Land Management lands scheduled to be impacted by the construction of a drill location. Field work was conducted under partly cloudy conditions during early afternoon. The proposed location will measure 400 X 400 feet (actual area surveyed 4.44 acres). It will be situated in Section 30, T24S, R38E, NMPM, Lea County, New Mexico. No cultural resources were recorded during this survey; therefore, NMAS is suggesting clearance for SIRGO-COLLIER, INCORPORATED's proposed work.

Introduction

On 17 July 1987, New Mexico Archaeological Services, Inc., (NMAS), Carlsbad, (Permit Number 14-2920-87-G), undertook for SIRGO-COLLIER, INCORPORATED, Midland, an archaeological survey of lands administered by the Bureau of Land Management in Lea County, New Mexico. The reconnoitered area will be impacted by the construction of a drill location. This project was advanced by Mr. Timothy D. Collier, Agent, SIRGO-COLLIER, INCORPORATED. This survey was undertaken by Dr. Haskell.

Survey Technique

For this investigation, SIRGO-COLLIER, INCORPORATED's proposed location was reconnoitered for evidence of man's past activities by walking it in a series of 8.0 m wide, close interval (15° or less), zigzag transects. In addition, an added zone extending 20 feet on each side of the staked 400 X 400 foot location, and lying outside the bounds of the proposed work area, was reconnoitered by a similar means. Methodologically, this procedure served to promote optimal conditions for the visual examination of the area to be impacted by construction-related activities. Field work was conducted under partly cloudy conditions during early afternoon. Ground visibility ranges between 75 and 80%. Field time one hour.

WDQSU "30" Well No. 76

Location

The proposed location will measure 400 X 400 feet (actual area surveyed 4.44 acres) on federal land and will be situated 2300 feet from the east line and 125 feet from the south line.

Section 30, T24S, R38E, NMPM, Lea County, NM

Thus it will be situated in the:

SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 30, T24S, R38E, NMPM, Lea County, NM

The proposed location will be situated next to an existing lease road.

Map Reference: USGS JAL NE QUADRANGLE, 7.5 Minute Series, 1969.

The location is crossed by a fence line and two-track road as well as by a Phillips pipeline.

Environmental Setting

SIRGO-COLLIER, INCORPORATED's proposed location will be situated on the shoulder of a locally prominent ridge system which serves to demarcate the east side of the Monument Draw catchment. Elevation is approximately 3,117 feet. Slope averages 2°/aspect is west, northwest and southwest. Water is locally scarce and largely limited to runoff collecting in basal portions of Monument Draw. Additionally, seeps and springs may occur in the draw. Drainage is by ephemeral sheetwash with runoff being to the west. Some gullying occurs to the south. Soil ~~individuals~~ are composed of sandy clay loams soils which commonly host caliche inclusions. Associated soils fall within an intergrade of the Typic Torrip-samment subgroup/Berino fine sands. Croute calcaire underlies the surficial deposits at variable depths. Areal soils are supportive of grassland floral community. The area has been chained and hence surficial disturbance is considerable. Being situated on the catchment's eastern shoulder, the area is subject to colluvial movement.

Cultural Resources

Prefield 17 July 1987, Arita K. Slate, no archaeological sites.

No cultural properties were recorded during the course of this survey. Reasons cited for their absence include dearths of siliceous lithic material, the openness of the landform and the scanty water supply. Land usage should have centered on hunting- and hunting-related tasks throughout prehistory. Temporally, land usage dates back to the Paleoindian horizon. Land usage increases in intensity toward the south.

Recommendations

NMAS recommends clearance for SIRGO-COLLIER, INCORPORATED's proposed WDQSU "30" Well No. 76 and suggests that work-related activities proceed in accordance with company plans (Fig. 1). Clearance, of course, is granted by the Bureau of Land Management. If cultural resources are encountered during construction, the BLM and NMAS should be notified immediately. Duned settings are notorious for covering and uncovering cultural properties.



NMAS
New Mexico Archaeological Services, Inc.

P. O. Box 1341
Carlsbad, New Mexico 88220
(505) 887-7646

21 July 1987

Reconnaissance
Excavation
Analysis
Explanation
Curation

Mr. Timothy D. Collier
Agent
SIRGO-COLLIER, INCORPORATED
P.O. Box 3531
Midland, Texas 79702

Dear Mr. Collier:

Enclosed please find NMAS' Archaeological Clearance Report for SIRGO-COLLIER, INCORPORATED's proposed WDQSU "30" Well No. 76 in Lea County, New Mexico. No cultural resources were recorded during this survey; therefore, NMAS is sug-
gesting clearance for this project.

If you have any questions pertaining to this report, please call my office. Thank you for asking NMAS to do this survey.

Yours sincerely,

J. Loring Haskell
Dr. J. Loring Haskell
Principal Investigator

Enclosure

cc: Mr. David Kayser, BLM, Carlsbad

as

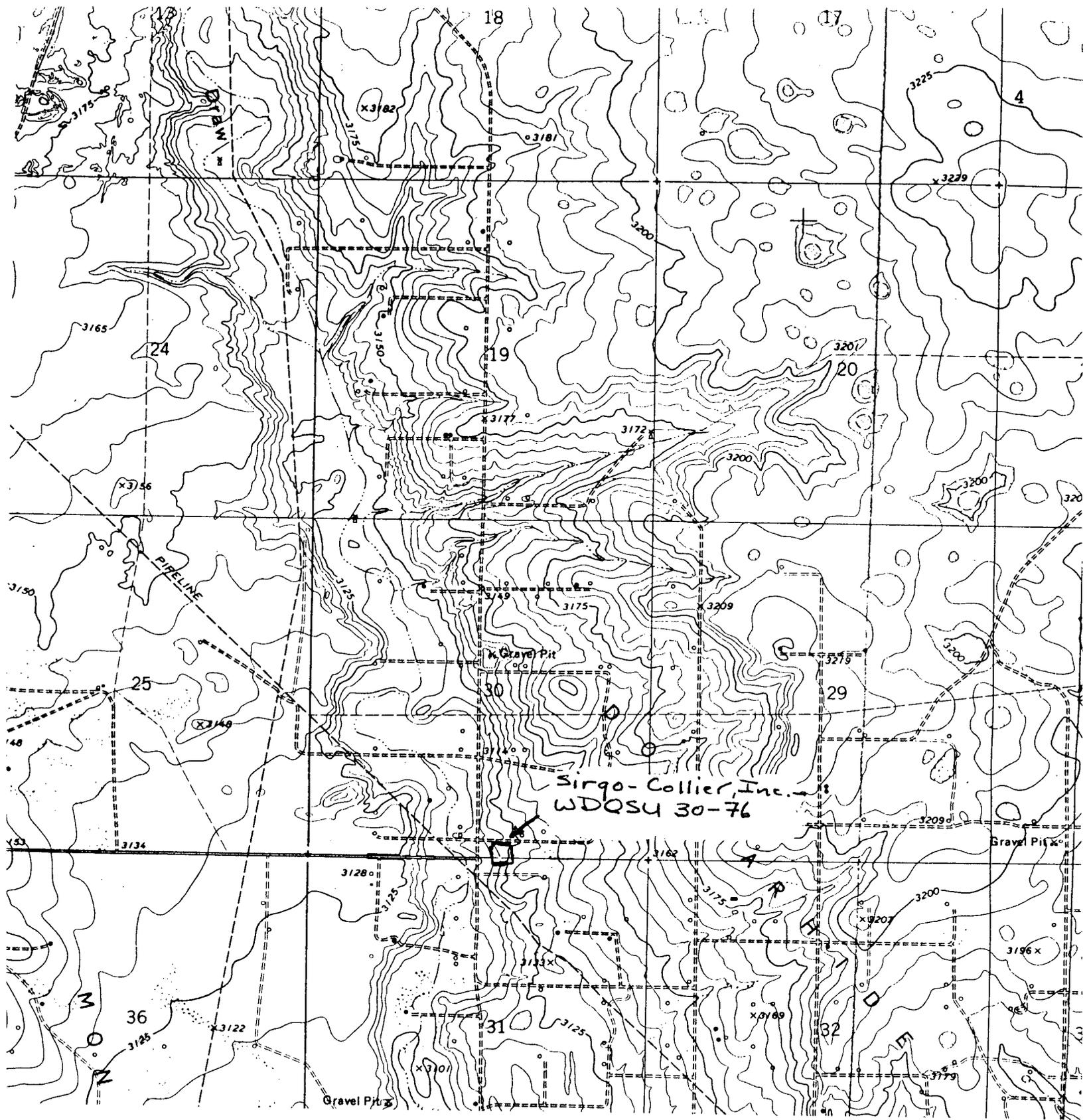


Fig. 1. USGS JAL NE QUADRANGLE, 7.5 Minute Series, 1969, Photorevised, 1979, showing SIRGO-COLLIER, INCORPORATED's proposed WDQSU "30" Well No. 76, 2300 FEL, 125 FSL, Section 30, T24S, R38E, NMPM, Lea County, New Mexico.



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

RECEIVED
HOBBS DISTRICT OFFICE
JUL 31 1987 7-28-87

OIL CONSERVATION DIVISION
SANTA FE

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

- MC _____
- DHC _____
- NSL _____
- NSP _____
- SWD _____
- WFX _____
- PMX _____

NSL-2363

Gentlemen:

I have examined the application for the:

Surgo-Collier *West Dollashide, Qu. Sand Unit #76-0*
 Operator Lease & Well No. Unit S-T-R *30-24-38*

and my recommendations are as follows:

GK/S

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed