

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
Ray Westall

3. ADDRESS OF OPERATOR
P.O. Box 4, Loco Hills NM. 88255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 330 FNL & 990 FEL

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10 Miles Northeast of Loco Hills NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
330 feet

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1610'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3773 Gr.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 5/8	8 5/8	24	350	250 sxs circulated
8 5/8 → 7 7/8	5 1/2	17	3800	750 sxs

Fresh water will be used from surface to 350 feet
Brine water will be used from 350-3800
A 10" 900s BOP will be installed on the 8 5/8" casing

RECEIVED

SUBJECT TO
THE RIGHTS AND
OBLIGATIONS

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 [Signature] TITLE Geologist DATE 7/10/89

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Orig. Signed by [Signature] TITLE [Signature] DATE 8-16-89

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.
NM-049998

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Sun Federal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Grayburg-Jackson

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 17-T17S-R31E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

Post ID-1
8-18-89
New Mex

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Ray Westall			Lease Sun Federal		Well No. 1
Unit Letter A	Section 17	Township 17 South	Range 31 East	County Eddy	
Actual Footage Location of Well: 330 feet from the North line and 990 feet from the East line					
Ground level Elev. 3773	Producing Formation <i>Permian</i>		Pool <i>Permian</i>	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

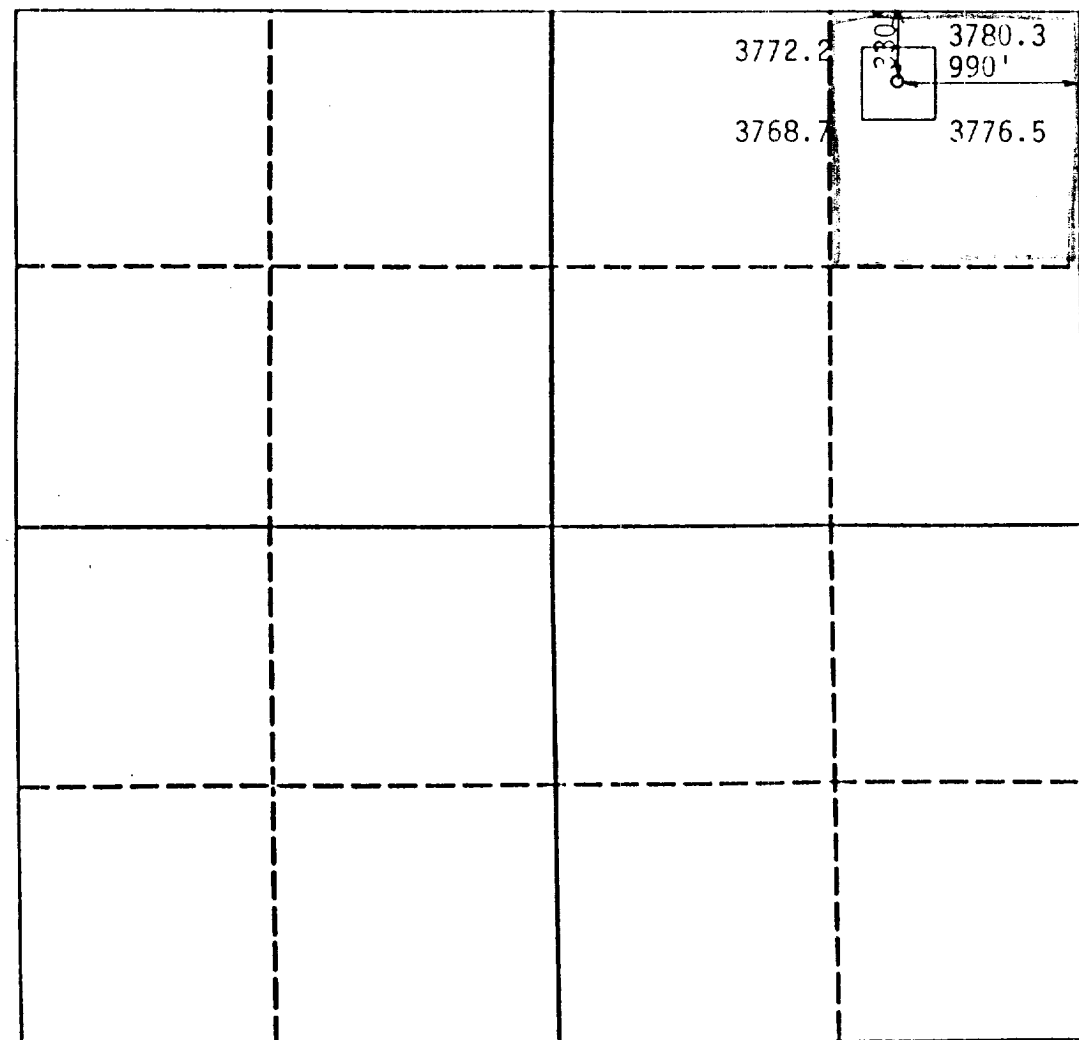
☐ Yes

☐ 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature

Printed Name

Position

Company

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 knowledge and belief.

Date Surveyed

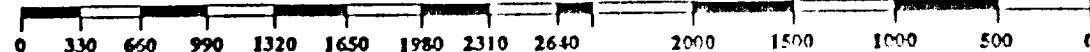
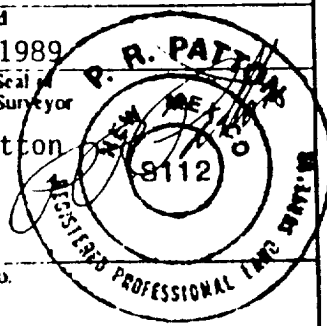
May 3, 1989

Signature & Seal
Professional Surveyor

P.R. Patton

Certificate No.

8112



Ray Westall

Independent Oil Producer

Post Office Box 4

Loco Hills, New Mexico 88255

PH. 505-677-2370 • 505-677-3201

APPLICATION FOR DRILLING

Ray Westall

Sun Federal #1

In conjunction with Form 9-331c, Application for Permit to Drill, Ray Westall submits the following ten items of pertinent information, in accordance with BLM requirements:

1. The Geological surface formation is quaternary.
2. The estimated tops of geological markers are as follows:

T/Salt	400
B/Salt	1300
Yates	1430
Queen	2360
San Andres	3070
3. The estimated depths at which anticipated water, oil & gas formations are expected to be encountered;

Water	intermittent 0-300
Oil & Gas	2730-3500
4. Proposed casing program: See 9-331c
5. Pressure control equipment: See 9-331c and Exhibit E.
6. Mud Program: Mud up 100' before TD.
7. Auxiliary Equipment: Gas detector, kelly cock, BOP.
8. Testing, Logging, and Coring Program: "E" logs, CNL/FDC, DLL
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated Starting Date: 8/1/89

MULTI-POINT SURFACE USE AND OPERATIONS PLAN
Ray Westall

This plan is submitted with Form 9-311c. Application for Permit to Drill. The purpose of this plan is to describe the location of the proposed well, the construction activities and operations plan, the magnitude of surface disturbances involved, and the procedures to be followed in rehabilitation the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operation.

1. EXISTING ROADS.

Exhibit A is a portion of a USGS topographic map showing the wells and roads in the vicinity of the proposed location. The proposed location.

DIRECTIONS.

A. Proceed East of Loco Hills on U.S. 82 to Eddy County 223 turn north for 1.8 miles, Turn West for .7 miles. The new road will start hear and go west for approximately 660 feet.

2. PLANNED ACCESS ROAD.

A. Approximately 660 feet of road will have to be built from the Kersey #3 location.

3. LOCATION OF EXISTING WELLS.

A. There is no existing wells on the 40 acres.

4. LOCATION OF EXISTING/OR PROPOSED FACILITIES.

A. There are no producing facilities on the dedicated 40 acres at the present time.

B In the event that the well is productive, electricity will be used to provide the necessary power. Electric lines will have to be installed from the east side of location.

5. LOCATION AND TYPE OF WATER SUPPLY.

A. It is planned to drill the well with a brine water system. The water will be obtained from commercial sources and will be hauled to the location by truck.

6. SOURCE OF CONSTRUCTION MATERIALS.

A. The location and road will be scraped out and topped with caliche from an approved pit.

7. METHOD OF HANDLING WASTE DISPOSAL.

A. Drill cuttings will be disposed of in the reserve pit.

B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.

C. Produced water during testing to drill pits.

D. Oil produced during operations will be stored in tanks until sold.

E. Current laws and regulations pertaining to the disposal of human waste will be complied with.

F. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24" of dirt. All waste materials will be contained to prevent scattering by the wind.

G. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion of operations.

8. ANCILLARY FACILITIES.

A. None required.

9. WELLSITE LAYOUT.

A. Exhibit C shows the relative location and dimensions of the well pad, reserve pit, ect.

B. A 400'X 400' area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE.

A. After finishing drilling and/or completion operations. all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite as aesthetically pleasing a condition as possible.

B. Unguarded pits, if any, containing fluids will be fenced until they have been filled.

C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the BLM and USGS will be complied with and will be accomplished expeditiously as possible. All pits will be filled level within 90 days after abandonment.

11. OTHER INFORMATION.

A. Topography: The land surface in the vicinity of the wellsite is in sand dunes. The immediate area of the wellsite is discussed above in paragraph 9B.

B. Flora and Fauna: The vegetation cover consists of prairie grass, flowers, greasewood, and miscellaneous desert growth. No wildlife was observed, but the wildlife in the area probably includes those typical of semi-arid desert land. The area is used for cattle grazing.

C. There are no ponds, Lakes or rivers in the area.

D. There are no inhabited dwellings in the vicinity of the proposed well.

E. Surface ownership: The wellsite is on Federal surface.

F. There is no evidence of any archeological, historical or cultural sites in the area.

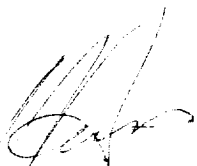
12. OPERATOR'S REPRESENTATIVE.

A. The field representative responsible for assuring compliance with the approved surface use plan is:

Ray Westall
P.O. Box 4
Loco Hills, NM 88255
(505) 677-2370

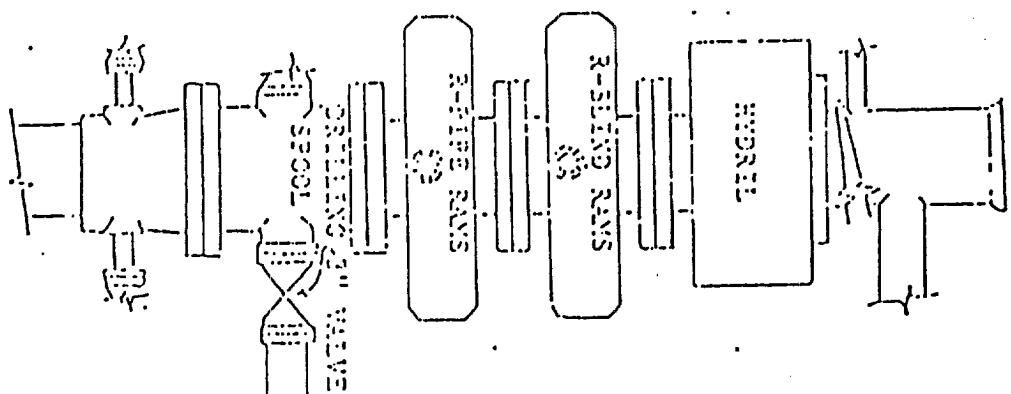
13. CERTIFICATION

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 my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Ray Westall and it's subcontractors in conformity with this plan and the terms and conditions under which it is approved.

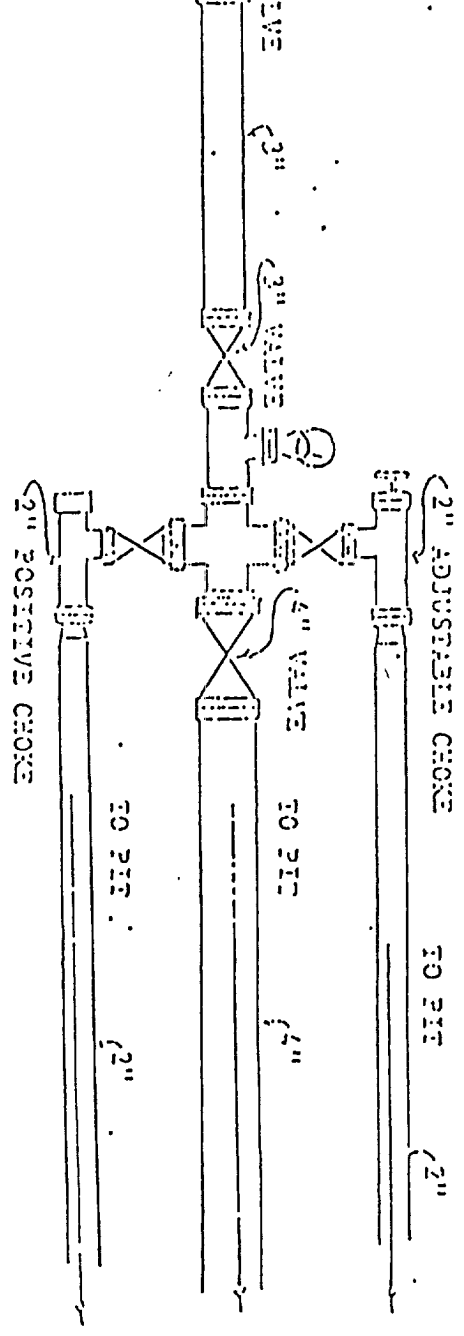


Randall L. Harris

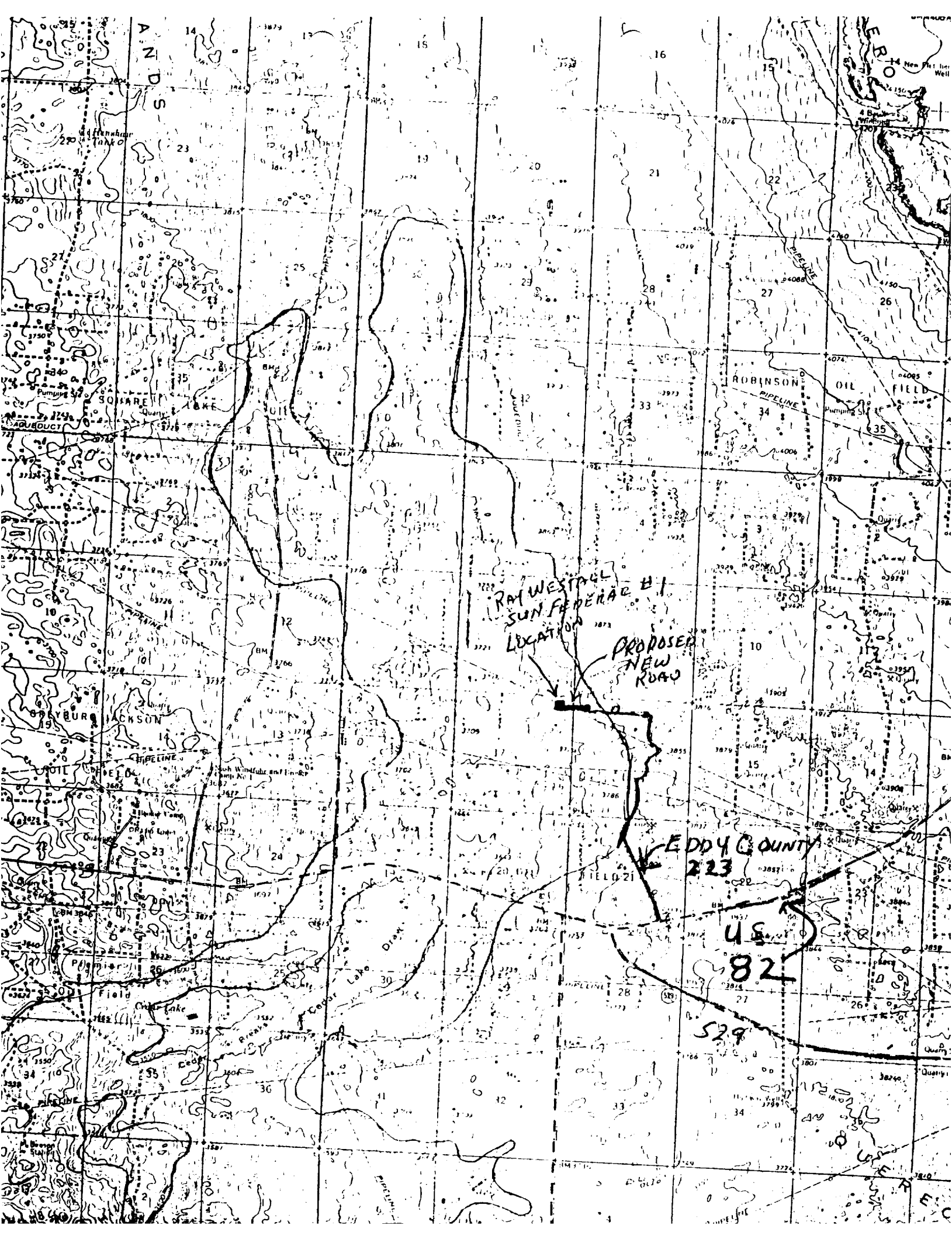
RIG #1
LOCATION & MUD PIT SPECS.



BLOW OUT PREVENTION EQUIPMENT
 10" SCDS ALL FLANGED CONNECTIONS
 3,000 WORKING PRESSURE - 6,000 TEST



• ATTACHMENT TO FORM C-101



RAY WESTGALL
SUN FEDERAL HI
LOCATION

PROPOSED
NEW
ROAD

EDDY COUNTY
223

US
82

529