

Drawer DD UNITED STATES
Artesia, NM 88210 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

2310 FSL 2310 FEL

At proposed prod. zone

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

7½ miles SW of Loco Hills, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

16. NO. OF ACRES IN LEASE

720

19. PROPOSED DEPTH

3100'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3545.6L

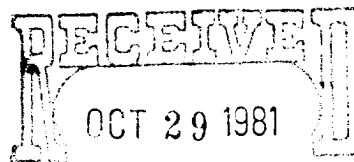
22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	350'	250 sx circulate
8"	4 1/2"	10 1/2#	3100'	600 sx circulate

We propose to drill and test the San Andres and Intermediate formations. Approximately 350' of surface casing will be set to shut off gravel and cavings. 4½" production casing will be run, perforated and sand frac'd for production.

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICOPosted ID-1
API & NL Book
11-20-81

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

Ray Westall

TITLE

OPERATOR

DATE

10-27-81

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

NOV 17 1981

TITLE

DATE

JAMES A. GILLHAM
DISTRICT SUPERVISOR

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 RAY WESTALL		Lease Denton Federal		Well No. 5
Unit Letter J	Section 20	Township 18 South	Range 29 East	County Eddy
Actual Footage Location of Well: 2310 feet from the South line and 2310 feet from the East line				
Ground Level Elev. 3545.	Producing Formation San Andres	Pool Wildcat	Dedicated Acreage: 40 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.

	<p>CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Ray Westall</i></p> <p>Name _____</p> <p>Position Operator</p> <p>Company _____</p> <p>Date 10-27-81</p> <p>DAN R. REDDY NEW MEXICO REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR #5412</p> <p>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 to the best of my knowledge and belief.</p> <p>Date Surveyed September 7, 1981</p> <p>Registered Professional Engineer and/or Land Surveyor <i>Dan R. Reddy</i></p> <p>Certificate No. NM PE&LS #5412</p>
	<p>OCT 29 1981</p> <p>OIL & GAS U.S. GEOLOGICAL SURVEY ROSWEIL, NEW MEXICO</p>

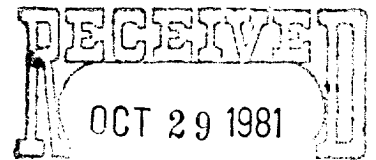
MULTI-POINT SURFACE USE AND OPERATIONS PLAN

RAY WESTALL

DENTON FEDERAL #5

2310 FSL 2310 FEL

SEC. 20, T-18S, R-29E



OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

This plan is submitted with Form 9-331C. Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and Operations Plan, the magnitude of surface disturbance involved, and the procedures to be followed in rehabilitating 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 wellsite is located approximately 22 miles SSE of Artesia, New Mexico and the access route to the location is Exhibit A.

DIRECTIONS.

1. Proceed east from Artesia on Highway 82 for a distance of approximately 14 miles.
2. Turn southeast onto State Road 360 for approximately 7.7 miles. Turn south on unimproved dirt road and go $\frac{3}{4}$ mile, turn west onto location.

2. PLANNED ACCESS ROAD.

- A. Approximately 300 feet of road will have to be built from the main county road to the location.

3. LOCATION OF EXISTING WELLS.

- A. There are no existing wells on this 40 acres.

4. LOCATION OF EXISTING, OR PROPOSED FACILITIES.

- A. There are no producing facilities on the shallow lease at the present time.
- B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, electricity will be used to provide the necessary power. No power will be required if the well is productive gas. Electric lines will have to be installed from east side of location.

5. LOCATION AND TYPE OF WATER SUPPLY.

- A. It is planned to drill the proposed well with a fresh 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 to caliche.

7. METHODS 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-drill pits.
- D. Oil produced during operation 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 inches of dirt. All waste material 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, the reserve pits, etc.
- 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 in 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 as 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, prairie flowers, reasewood 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 archaeological, 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) 677-3113 Office
677-3201 Home

13. CERTIFICATION.

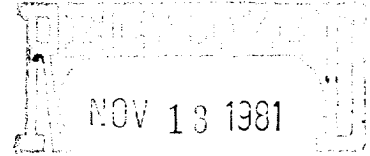
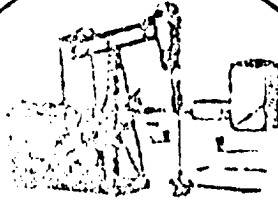
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated 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.

Date 10-27-81

Ray Westall

Ray Westall, Operator

Ray Westall



APPLICATION FOR DRILLING

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Ray Westall
Denton #5

Eddy County, New Mexico

In conjunction with form 9-331-C, application for permit to drill subject well, Ray Westall submits the following ten items of pertinent information in accordance with USGS requirements:

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

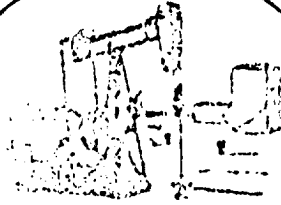
Yates	1400
7 Rivers	1750
Queen	2050
Grayburg	2500
San Andres	3000

3. The estimated depths at which anticipated water, oil and gas formations are expected to be encountered.

Water:	Approximately	180'
Oil & Gas:	Yates	1400'
	7 Rivers	1700
	Queen	2050
	Grayburg	2500'
	San Andres	3000

4. Proposed Casing Program: See form 9-333-C.
5. Pressure Control Equipment: See form 9-331-C and exhibit E.
6. Mud Program: Mud up 150' before TD and circulate 2 hours after TD and pull out laying down and run casing.
7. Auxiliary Equipment: N/A

P. O. BOX 4 / LOCO HILLS, NEW MEXICO 88255 / PHONE (505) 677-3113



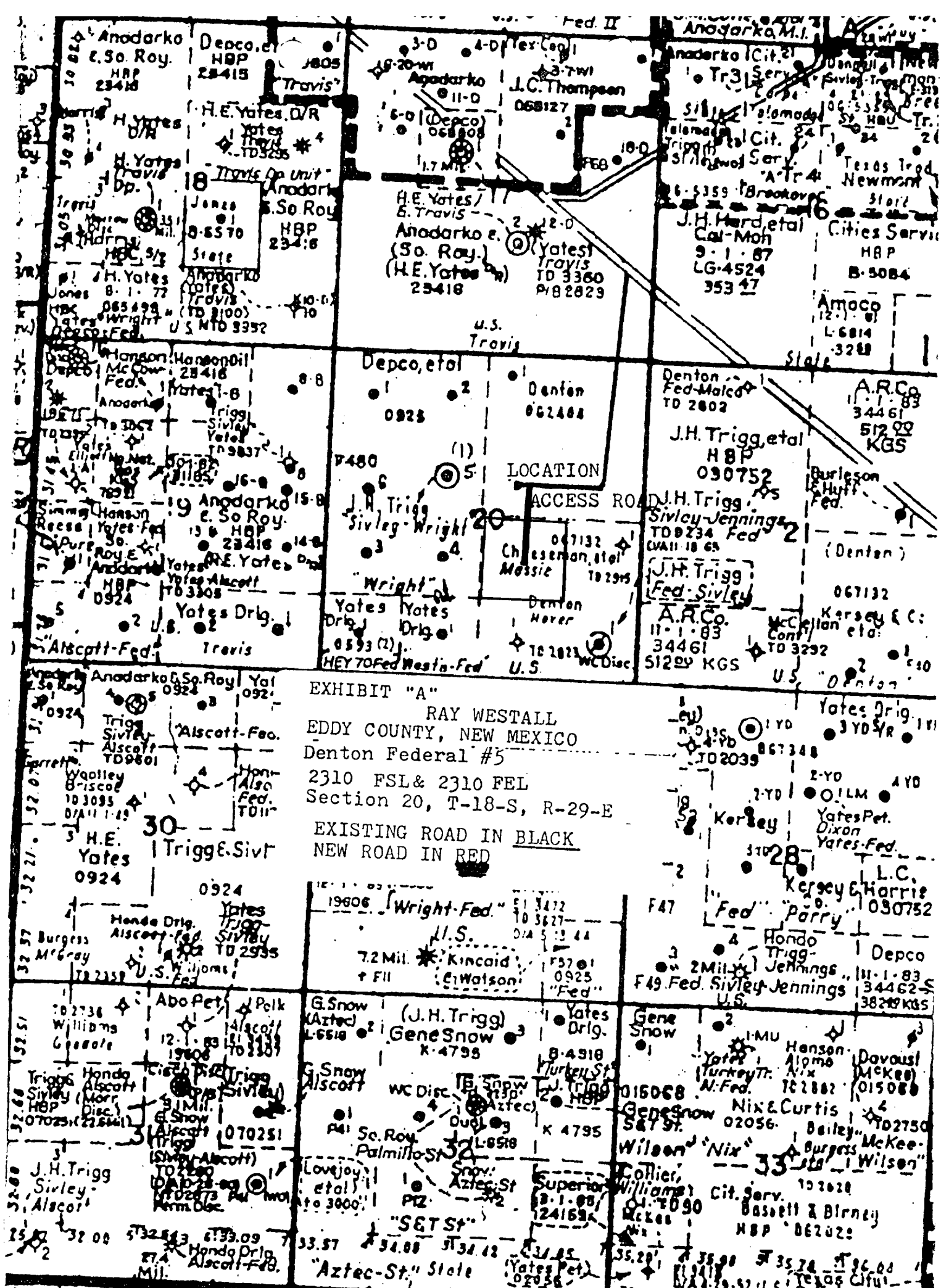
Ray Westall
Application for Drilling Cont.

Page 2

8. Testing, Logging and Coring Program: Logging casing compensated Neutron with Gamma Ray Collar Log. Cement bond with nuclear log.

9. No abnormal pressures or temperatures are anticipated.

10. Anticipated Starting Date: As soon as possible.



Exhibit

Hydraulic
CAMERON SS 10" X 900 X 3000 #

