

Form 3160-3
(July 1992)

SUBMIT IN TRIPLICATE*

(Other instructions on
reverse side)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Ray Westall

3. ADDRESS AND TELEPHONE NO.

Box 4, Loco Hills NM 88255 (505)677-2370

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

At surface

460 FNL & 1650 FWL

At proposed prod. zone

Same

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

20 Miles southeast of Loco Hills

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

460

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2310

16. NO. OF ACRES IN LEASE

280

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. PROPOSED DEPTH

7800

20. ROTARY OR CABLE TOOLS

Rotary

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

3615 GR.

22. APPROX. DATE WORK WILL START*

ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4 New	8 5/8" J-55	24 ST&C	500	350 sxs Class C Circulated
7 7/8: New	5 1/2" J-55	15.5 LT&C	7800	700 sxs H first stage (TIE BACK)
				1000 sxs Lite 2nd stage (BACK)
				with DV tool set at 7000'

The Surface hole will be drilled with fresh water, Production hole with brine.

A 10" 900s BOP will be installed on the 8 5/8" casing and tested to 3,000# prior to drill out of 8 5/8" casing.

If well is productive the 5 1/2" casing will be cemented at TD. If non-productive the well will be plugged and abandoned.

OPER. OGRID NO. 18862

PROPERTY NO. 16695

POOL CODE 13390

EFF. DATE 3/2/95

API NO. 30-025-32820

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Geologist

DATE 1/13/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

Acting
AREA MANAGER

DATE

2/24/95

*See Instructions On Reverse Side

District I
PO Box 1980, Hobbs, NM 88240-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 3D-025-3287D		² Pool Code 13390		³ Pool Name Tonto Delaware	
⁴ Property Code 16695		⁵ Property Name PALADIN FEDERAL			⁶ Well Number 1
⁷ OGRID No. 18862		⁸ Operator Name RAY WESTALL OPERATING			⁹ Elevation 3615.

¹⁰ Surface Location

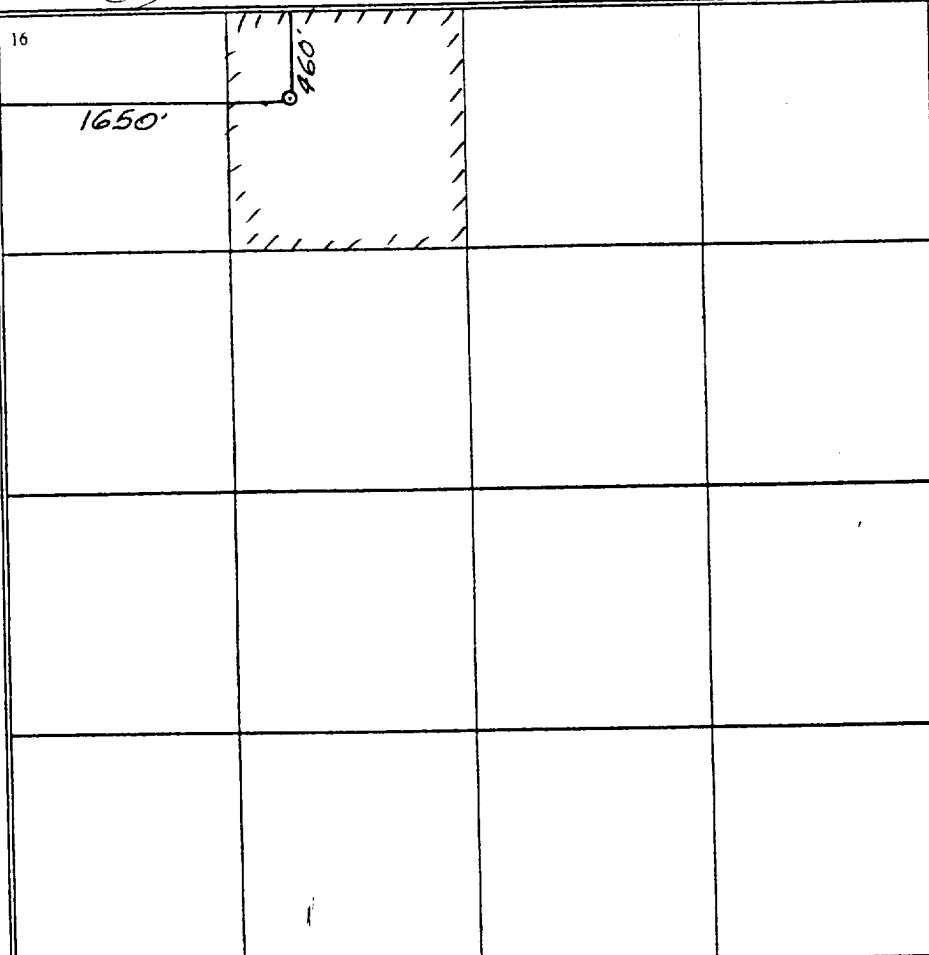

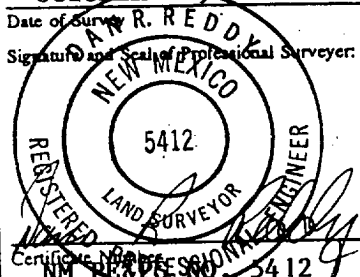
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	19	19S	33E		460	NORTH	1650	WEST	LEA

¹¹ 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

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

<div>16</div> 	<div>17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <div>Signature </div><div>Printed Name Randall L. Harris</div><div>Title Geologist</div><div>Date 1/13/95</div></div>
	<div>18 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. OCTOBER 11, 1994 Date of Survey Signature and Seal of Professional Surveyor: </div>

APPLICATION FOR DRILLING

Ray Westall
Paladin Fed No.1
Section 19, T19S-R33E
460 FNL & 1650 FWL
Lea County, New Mexico
NM-63026

In conjunction with Form 3160-3, Application for Permit to Drill subject well, 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 geologic markers are as follows:
Yates 3470
Delaware 5800
Bone Springs 7600
3. The estimated depths at which anticipated water, oil & gas formations are expected to be encountered:
Water 0-180'
Oil and Gas zones listed in item #2
4. Proposed casing program: See 3160-3
5. Pressure Control Equipment: See 3160-3 and exhibit E.
6. Mud Program: Fresh water in surface hole, brine water to TD
7. Auxiliary Equipment: None
8. Logging Program: CNL/FDC/GR, DLL.
9. No abnormal pressures or temperatures are anticipated.
BHP ~3627 psi / BHT ~125° F
10. Anticipated Starting Date: As soon as possible.

Duration: Drilling ~12 days
Compl ~7 days

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

RAY WESTALL
Paladin Federal No.1

This plan is submitted with form 3160-3, 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 county road map showing the roads in the vicinity of the proposed location.

2. PLANNED ACCESS ROAD.

The location is adjacent to an existing road no new road will be required.
DIRECTIONS.

Proceed west from Loco Hills to state road 529. Go east approximately 7 miles, turn south 9 miles, turn east 5 mile then south 1.0 mile to location.

3. LOCATION OF EXISTING WELLS.

There is no existing wells on this 40 acres.

4. LOCATION OF EXISTING/OR PROPOSED FACILITIES

There is no existing facilities on this lease. If productive then 2-500 bbl welded steel oil tanks, a fiberglass water tank(size depends on water volume) and a 4X20 heater treater along with all the necessary piping and well head hookups.
A 4 phase power lines and poles will be routed along the existing right of way paralleling the road.

5. LOCATION AND TYPE OF WATER SUPPLY.

It is planned to drill the proposed 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.

The location and road will be hauled in from an approved caliche pit. .

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 operations will be stored in reserve pits until dry.
- 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 stored in a wire cage preventing blowing or scattering by the wind. After drilling and completion all waste will be removed to an approved site.

8. ANCILLARY FACILITIES

None required.

9. WELLSITE LAYOUT.

Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, a 400' X 400' area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE.

- A. After finishing drilling and 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 and leveled within 90 days after abandonment.

11. OTHER INFORMATION.

- A. Topography: The land surface in the vicinity of the wellsite is sandy loam soil.
- B. Flora and Fauna: The vegetation cover consists of prairie grass, greasewood and miscellaneous desert growth. No wildlife was observed, but 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 dwelling in the vicinity of the proposed well.
- E. Surface Ownership: The wellsite is on federal surface.
- F. Evidence of archeological sites has been reported and previously filed.

12. OPERATOR' REPRESENTATIVE

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

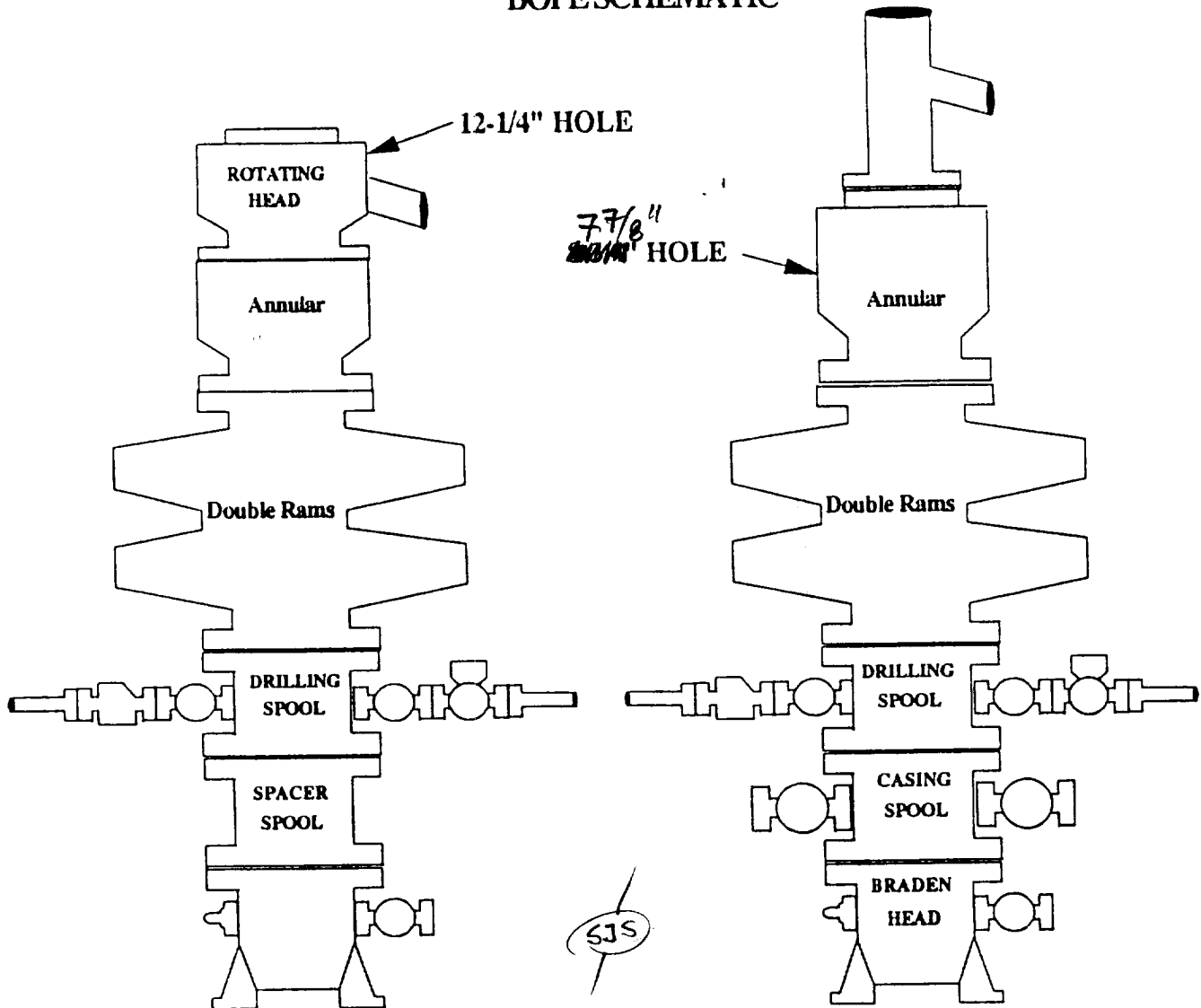
13. CERTIFICATION.

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 the operator and it's subcontractors in conformity with this plan and the terms and conditions under which it is approved.



Randall L. Harris

BOPE SCHEMATIC



Choke Manifold Requirement (3000 psi WP)

