

OPER OGRID NO. 159123PROPERTY NO. 20409MULTIPLICATE*
(Indicate on
face)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995UNIT
DEPARTMENT
BUREAU OF
APPLICATION FOR PPOOL CODE ✓EFF. DATE 2/10/97API NO. 30-025-338225. LEASE DESIGNATION AND SERIAL NO.
NM-96249

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Nicholas 31 Federal

9. API WELL NO.

1

10. FIELD AND POOL, OR WILDCAT
Wildcat11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 31-T14S-R35E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

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

2. NAME OF OPERATOR

Rand Paulson Oil Company, Inc.

915/687-0323

3. ADDRESS AND TELEPHONE NO.

508 W. Wall, Suite 100

Midland, TX 79701

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

2090' FNL & 660' FEL

At proposed prod. zone

Same

Unit H

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

15 miles NW of Lovington, NM

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

660'

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.

110' dry hole

19. PROPOSED DEPTH

12,500'

20. ROTARY OR CABLE TOOLS

Rotary

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

4042' GL

22. APPROX. DATE WORK WILL START*

February 5, 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8" J-55	54.5#	450'	Circ. 450' WITNESS
11"	8 5/8" *	32.0#	6200'	Qty EMULSION determined*
7 7/8"	5 1/2" *	17.0#	12500'	Qty to be determined*

Mud Program:

0' - 450': Fresh water Gel spud mud:
450' - 6,200': FW BW Oil:
6,200' - 10,200': Fresh water:
10,200' - 12,500': FW Gel FLA:

Mud up @ 9,400'.

Mud Wt.

8.3- 8.9 ppg
8.5-10.2 ppg
8.4- 9.0 ppg
9.0- 9.5 ppg

Vis.

32 - 36
28 - 36
28 - 30
28 - 30

W/L Control

No W/L control.
No W/L control.
No W/L control.
W/L cont. 10cc.

BOP Program:

A 3000 psi wp 12" Shaffer LWS BOP and Annular will be installed on the 13 3/8" casing, to be used to a depth of 6,200'. A 5000 psi wp 11" Schaffer Type E BOP, will be installed on the 8 5/8" casing. Casing and BOP will be tested before drilling out and will be tested daily.

* NOTE: See Exhibit "F" for details on the casing and cementing program.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

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.

Agent for:

Rand Paulson Oil Co.

DATE Jan. 16, 1997

SIGNED

TITLE

(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 (ORIG SGD.) JAMES G. PETTENGILL

TITLE ADM. MINERALS

DATE 2 6 97

*See Instructions On Reverse Side