

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

Natomas North America, Inc.

3. ADDRESS OF OPERATOR

1010 Gibraltar Savings Cntr., 200 N. Loraine St., Midland, Tex.

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

At surface

1,980' FWL and 1,980' FSL

At proposed prod. zone

Same

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

51 miles SE of Carlsbad, NM and 31 NW of Jal, NM

15. DISTANCE FROM PROPOSED*

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

1,980'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

13,900'

20. ROTARY OR CABLE TOOLS

Rotary

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

3,375.4 GR

22. APPROX. DATE WORK WILL START*

March 20, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
36"	30"		40'	20 Sx Class "C" Circulate
26"	20"	94#	700'	925 Sx Hal. Lite + 400 Sx "C" Circ.
17 1/2"	13 3/8"	61 & 68#	5,000'	2775 Sx Hal. Lite + 350 Sx Cl."C"
12 1/4"	9 5/8"	53.5#	11,800'	320 Sx Hal. Lite + 320 Class "H"
8 1/2"	7 5/8"	29.7#	13,900'	165 Sx Class "H"

MUD PROGRAM:

60' - 750' = 8.9 ppg spud mud.

750' - 5,200' = 10.0 - 10.2 ppg brine water

5,200' - 12,000' = 8.8-9.4 ppg brackish water

12,000' - 13,900' = 11.0 - 14.5 ppg brine polymer

BOP PROGRAM:

At time of spudding a 20" 2000# Shaffer E. Blowout Preventer will be installed on the 30" conductor. At 700' after running 13 3/8" casing, a 14" 5000# Cameron U double BOP and a 5000# Hydril GK Annular Preventer will be installed. The BOP's will be tested to 5000#. At 12,000' after running 9 5/8" casing, two 11' 10,000# Cameron U or F BOP's and a 10" 5000# GK Annular Prev. will be installed. BOP's will be tested to 10,000#. At 12,800' after running 7 5/8" casing, the rams in the BOP's will be changed to 3 1/2" and tested to 10,000#.

GAS SALES: Gas sales are not dedicated.

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.

Agent for:

SIGNED

TITLE

Natomas North America, Inc.

DATE February 13, 1980

(This space for Federal or State office use)

APPROVED

APPROVAL DATE

APPROVED BY
CONDITIONS OF APPROVAL ANY:

TITLE

DATE

ACTING DISTRICT ENGINEER

*See Instructions On Reverse Side

30
0211 21 11

RECEIVED

MAR 4 1980

GIL CONSERVATION DIV.