

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-005-61602

5. LEASE DESIGNATION AND SERIAL NO.

NM-18821

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

North Haystack Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Wildcat *Alto*11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Section 34-T5S-R26E

12. COUNTY OR PARISH

Chaves

13. STATE

New Mexico

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐RECEIVED  
PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE

MAY 20 1982

2. NAME OF OPERATOR

Read &amp; Stevens, Inc. ✓

O. C. D.

3. ADDRESS OF OPERATOR

P. O. Box 1518 Roswell, NM 88201

ARTESIA, OFFICE

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

At surface

660' FNL and 660' FWL

At proposed prod. zone

Same

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

45 miles northeast of Roswell, NM

15. 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

1440

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*

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

8,000'

19. PROPOSED DEPTH

5100'

20. ROTARY OR CABLE TOOLS

Rotary

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

3943 GR

22. APPROX. DATE WORK WILL START\*

March 20, 1982

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.4#	40'	50 Sx Class "C" Circulated
11"	8 5/8"	24.0#	1100'	600 Sx Class "C" Circulated
7 7/8"	4 1/2"	10.5#	5100'	400 Sx Class "C"

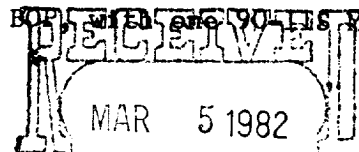
## Mud Program:

- 0' - 1,100' Fresh water and native mud, mud wt. 8.4 - 9#, Vis. 30-32, no WL control, if seepage is noted, add lost circulation material.
- 1,100' - 4,200' Brine and native mud with salt gel and starch.
- 4,200' - 5,100' Brine with salt water gel and starch, Vis 35-50, wt. 10#, plus flosal and oil as needed.

## BOP Program:

Will use a 3,000 psi wp Shaffer type "LWS" double BOP, with one 90 lbs. Melco closing unit, 90 gal. capacity.

Gas is not dedicated.



Posted FD-1  
5-51-82  
APP + BK  
New-Mex.

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

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

Agent for:

TITLE Read &amp; Stevens, Inc.

DATE March 4, 1982

(This space for Federal or State office use)

GEORGE H. STEWART

PERMIT NO.

MAY 18 1982

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

JAMES A. GILLHAM  
DISTRICT SUPERVISOR

TITLE

DATE

[illegible]

Author	Year	Country	Sample Size	Age Range	Gender	Study Design	Findings
Smith et al.	2015	USA	1,200	18-25	Male	Longitudinal	Increased risk of mental health issues in the first year of college.
Johnson et al.	2016	UK	800	19-24	Female	Cross-sectional	High levels of anxiety and depression reported.
Lee et al.	2017	Canada	1,500	17-26	Male	Longitudinal	Significant increase in stress levels during the first semester.
Chen et al.	2018	China	2,000	18-25	Female	Cross-sectional	High prevalence of social anxiety disorder.
Wang et al.	2019	Australia	900	19-24	Male	Longitudinal	Increased risk of substance use in the first year.
Miller et al.	2020	USA	1,100	18-25	Female	Cross-sectional	High levels of self-reported depression.
Kim et al.	2021	South Korea	1,300	19-24	Male	Longitudinal	Significant increase in stress levels during the first semester.
Nguyen et al.	2022	Vietnam	1,400	18-25	Female	Cross-sectional	High prevalence of social anxiety disorder.
Patel et al.	2023	India	1,600	19-24	Male	Longitudinal	Increased risk of substance use in the first year.
Al-Sayid et al.	2024	Saudi Arabia	1,700	18-25	Female	Cross-sectional	High levels of self-reported depression.
Al-Murayri et al.	2025	Qatar	1,800	19-24	Male	Longitudinal	Significant increase in stress levels during the first semester.