



STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
 OIL CONSERVATION DIVISION

BRUCE KING  
 GOVERNOR  
 LARRY KEHOE  
 SECRETARY

POST OFFICE BOX 2088  
 STATE LAND OFFICE BUILDING  
 SANTA FE, NEW MEXICO 87501  
 (505) 827-2434

March 27, 1981

HNG Oil Company  
 P. O. Box 2267  
 Midland, Texas 79702

Attention: Betty A. Gildon

Administrative Order TX-71

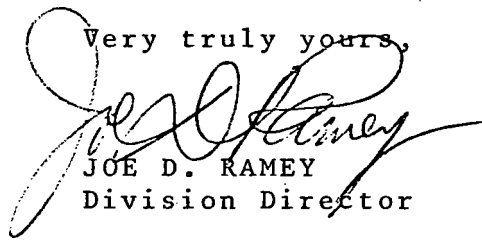
Gentlemen:

Reference is made to your request for an exception to the tubing setting requirements as contained in Division Rule 107 (d) (3) for the below-named well.

Pursuant to the authority granted me by Rule 107 (d) (4), you are hereby authorized to set tubing at 10,761 feet in the following well:

<u>LEASE NAME</u>	<u>WELL NO.</u>	<u>UNIT</u>	<u>S-T-R</u>
Vasquez 4 Com.	1	4	4-24S-28E

The Division reserves the right to rescind this authority in the event that waste appears to be resulting therefrom.

Very truly yours,  
  
 JOE D. RAMEY  
 Division Director

JDR/DSN/og

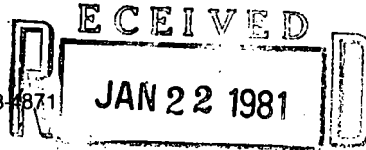
cc: Oil Conservation Division  
 Drawer DD  
 Artesia, New Mexico

PVZV2004431315



P. O. BOX 2267, MIDLAND, TEXAS 79702

(915) 683-4871



January 20, 1981  
OIL CONSERVATION DIVISION  
SANTA FE

TO: →

Oil Conservation Commission  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attn: Dan Nutter

TR-71

In Re: Vasquez 4 Com., Well No. 1  
West Malaga Morrow  
Sec. 4, T24S, R28E  
Eddy County, NM

Dear Mr. Nutter:

Tubing for the above-named well has been set at 10,761 feet,  
and casing perforated from 11,644 to 11,653 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

Betty A. Gildon  
Regulatory Clerk

bg

enclosure

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

**RECEIVED**  
**JAN 22 1981**  
 NEW MEXICO OIL CONSERVATION COMMISSION  
 WELL COMPLETION OR RECOMPLETION REPORT CONSERVATION DIVISION  
 SANTA FE

Form C-105  
 Revised 11-1-77  
 5a. Indent Type of Lease  Fee   
 State \_\_\_\_\_  
 5. State Oil & Gas Lease No. \_\_\_\_\_

1a. TYPE OF WELL  
 OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
 b. TYPE OF COMPLETION  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER \_\_\_\_\_  
 2. Name of Operator  
**HNG Oil Company**  
 3. Address of Operator  
**P.O. Box 2267, Midland, Texas 79702**  
 4. Location of Well  
 UNIT LETTER **H** LOCATED **1980** FEET FROM THE **North** LINE AND **870** FEET FROM  
 THE **East** LINE OF SEC. **4** TWP. **24S** RGE. **28E** NMPM  
 7. Unit Agreement Name  
 8. Farm or Lease Name  
**Vasquez 4 Com.**  
 9. Well No.  
**1**  
 10. Field and Pool, or Wildcat  
**West Malaga Morrow** Und.

12. County  
**Eddy**  
 15. Date Spudded **10-21-80** 16. Date T.D. Reached **12-19-80** 17. Date Compl. (Ready to Prod.) **12-26-80** 18. Elevations (DF, RKB, RT, GR, etc.) **3037' GR** 19. Elev. Casinghead **3037'**  
 20. Total Depth **13,000'** 21. Plug Back T.D. **12,915'** 22. If Multiple Compl., How Many \_\_\_\_\_ 23. Intervals Drilled By  
 Rotary Tools  Cable Tools \_\_\_\_\_  
 24. Producing Interval(s), of this completion - Top, Bottom, Name  
**11,644' - 11,653' (Morrow)** 25. Was Directional Survey Made  
**No**  
 26. Type Electric and Other Logs Run  
**Compensated Neutron Formation Density** 27. Was Well Cored  
**No**

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	535'	17-1/2"	300 HLW & 150 sx C1C	Circ.
9-5/8"	36#	2,478'	12-1/4"	1250 HLW & 1650 C1C	Top 680' per temp. survey
7"	26# & 23#	10,996'	8-1/2"	600 TLW & 600 C1H	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4-1/2"	10,725'	12,997'	350 C1H		2-3/8"	10,761'	10,761'

30. TUBING RECORD  
 tubing set

31. Perforation Record (Interval, size and number)  
**11,644' - 11,653' (.25" 18)**  
**top perf 11644**  
**11644**  
**10761**  
**883'**  
 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11,644-11,653	3000 gals 7-1/2% MS acid

33. PRODUCTION  
 Date First Production **12-24-80** Production Method (Flowing, gas lift, pumping - Size and type pump) **Flowing** Well Status (Prod. or Shut-in) **Shut-in**  
 Date of Test **12-25-80** Hours Tested **24** Choke Size **14/64"** Prod'n. For Test Period \_\_\_\_\_ Oil - Bbl. **0** Gas - MCF **1500** Water - Bbl. **18** Gas-Oil Ratio **0**  
 Flow Tubing Press. **3481** Casing Pressure Packer \_\_\_\_\_ Calculated 24-Hour Rate \_\_\_\_\_ Oil - Bbl. \_\_\_\_\_ Gas - MCF \_\_\_\_\_ Water - Bbl. \_\_\_\_\_ Oil Gravity - API (Corr.) \_\_\_\_\_

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
**Vented** Test Witnessed By \_\_\_\_\_

35. List of Attachments  
**Inclination Report, Log, Form C-104**

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED **Betty A. Gildon** TITLE **Regulatory Clerk** DATE **1-20-81**

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

- |                          |  |                             |                        |
|--------------------------|--|-----------------------------|------------------------|
| T. Anhy _____            | T. <u>Cherry Canyon Marker</u> <u>3566</u> | T. Ojo Alamo _____          | T. Penn. "B" _____     |
| T. Salt _____            | T. <u>Strawn Lime</u> <u>11326</u>         | T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| B. Salt _____            | T. <u>Atoka Shale</u> <u>11572</u>         | T. Pictured Cliffs _____    | T. Penn. "D" _____     |
| T. Yates _____           | T. Miss _____                              | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers _____        | T. Devonian _____                          | T. Menefee _____            | T. Madison _____       |
| T. Queen _____           | T. Silurian _____                          | T. Point Lookout _____      | T. Elbert _____        |
| T. Grayburg _____        | T. Montoya _____                           | T. Mancos _____             | T. McCracken _____     |
| T. San Andres _____      | T. Simpson _____                           | T. Gallup _____             | T. Ignacio Qtzte _____ |
| T. Glorieta _____        | T. McKee _____                             | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock _____         | T. Ellenburger _____                       | T. Dakota _____             | T. _____               |
| T. Blinbry _____         | T. Gr. Wash _____                          | T. Morrison _____           | T. _____               |
| T. Tubb _____            | T. Granite _____                           | T. Todilto _____            | T. _____               |
| T. Drinkard _____        | T. Delaware Sand <u>2570</u>               | T. Entrada _____            | T. _____               |
| T. Abo _____             | T. Bone Springs <u>6300</u>                | T. Wingate _____            | T. _____               |
| T. Wolfcamp <u>9407</u>  | T. <u>3rd Bone Spring</u> <u>9058</u>      | T. Chinle _____             | T. _____               |
| T. Penn. _____           | T. <u>Culebra Bluff</u> <u>11642</u>       | T. Permian _____            | T. _____               |
| T. Cisco (Bough C) _____ | T. <u>Morrow Lime</u> <u>12070</u>         | T. Penn. "A" _____          | T. _____               |

Morrow Lime Marker 12396 Morrow Clastics 12256 SANDS OR ZONES  
Lower Morrow Shale 12730 bit OR GAS

- No. 1, from 11644 to 11653 No. 4, from \_\_\_\_\_ to \_\_\_\_\_
- No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_
- No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

- No. 1, from None to \_\_\_\_\_ feet \_\_\_\_\_
- No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet \_\_\_\_\_
- No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet \_\_\_\_\_
- No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet \_\_\_\_\_

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	2570	2570	Dolomite, Sand, Anhy, Salt				
2570	3566	996	Delaware				
3566	6300	2734	Cherry Canyon Marker				
6300	9058	2758	Bone Spring				
9058	9407	349	3rd Bone Spring				
9407	11326	1919	Wolfcamp Shale Marker				
11326	11572	246	Strawn Lime				
11572	11642	70	Atoka Shale				
11642	12070	428	Culebra Bluff				
12070	12256	186	Morrow Lime				
12256	12396	140	Morrow Calstics				
12396	12730	334	Morrow Lime Marker				
12730	TD		Lower Morrow Shale				