

ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
P. O. BOX 2088  
Santa Fe, New Mexico 87501

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

Attention: Betty A. Gildon

Administrative Order TX-82

Gentlemen:

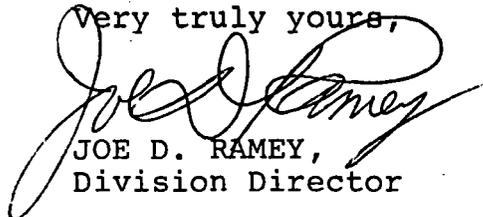
Reference is made to your request for an exception to the tubing setting requirements as contained in Division Rule 107(d)(3) for the below-named well.

Pursuant to the authority granted me by Rule 107(d)(4), you are hereby authorized to set tubing at 12,003 feet in the following well:

<u>LEASE NAME</u>	<u>WELL NO.</u>	<u>UNIT</u>	<u>S-T-R</u>
Sims 35 State	1	B	35-20S-35E

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/dr

cc: Oil Conservation Division - Hobbs  
Oil & Gas Engineering Committee - Hobbs  
Oil & Gas Division - State Land Office - Santa Fe

PV2V2004433140



P. O. BOX 2267, MIDLAND, TEXAS 79702 (915) 683-4871

RECEIVED  
OCT 19 1981  
OIL CONSERVATION DIVISION  
SANTA FE

October 15, 1981

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

*TX-82  
dca 12/21*

Attn: Mr. Joe D. Ramey  
Secretary Director

In Re: Sims 35 State, Well No. 1  
660' FNL & 1980' FEL, Sec. 35, T20S, R35E  
Lea County, New Mexico

Dear Mr. Ramey:

Please find enclosed copy of a letter to Mr. Dan Nutter dated 10/15/81, requesting an exception to the tubing-setting requirements contained in Division Rule 107(d).

To avoid delay in placing this well on stream, temporary approval of the above-named exception is requested.

Your early attention is appreciated.

Very truly yours,

HNG OIL COMPANY

*Betty A. Gildon*

Betty A. Gildon  
Regulatory Clerk

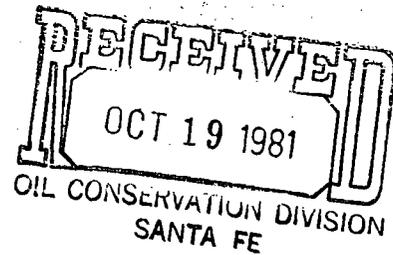
bg  
enclosures

*Called Geo Hoover 10/23  
out of town -  
will call back  
the 26th*

*Hoover called - discussed this  
whole matter of the exceptions of  
GORs w/ him. He said this GOR must  
be wrong. He will file some new data.*



P. O. BOX 2267, MIDLAND, TEXAS 79702 (915) 683-4871



October 15, 1981

Oil Conservation Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501  
Attn: Mr. Dan Nutter

Request for Rule 107(d) Exception  
Re: Sims 35 State, Well No. 1  
660' FNL & 1980' FEL, Sec. 35, T20S, R35E  
Lea County, New Mexico

Dear Mr. Nutter:

2-7/8" Tubing set at 12,003' with perforations  
from 12,963' - 13,192'.

There are several reasons why we feel that completions utilizing a TIW Polish Bore Receptacle is the most advantages method to complete a well.

- (1) The inside diameter of the seal assembly is the same as the diameter of the tubing. Therefore, there is no restriction that would reduce the size of Wireline Tools that could be run in the hole.
- (2) The Polish Bore Receptacle has a full bore opening to the liner below it. This allows us to run bridge plugs, retainers, or bits into the liner if necessary.
- (3) The seal assembly - PBR hook-up allows for tubing movement while treating the well. It will withstand higher treating pressures during stimulation than would be possible with most other production packers.
- (4) In most of the wells drilled in this area there are several zones of interest. By having the seal assembly stung into the PBR, the lowest zone can be tested and if non-productive squeezed. The next zone of interest can then be perforated, acidized and tested. All this can be accomplished without pulling the tubing. This can save a considerable amount of time and money.

The Polish Bore Receptacle is run on the top of the liner. It is for this reason that the tubing is sometimes set a considerable distance above the productive zone.

We feel that this Packer system not only save us a considerable amount of time and money, but also is the most reliable Packer system available. Of the several hundred wells in which HNG Oil Company has utilized this system over the past years, we have had very few failures. If you have any questions please feel free to give me a call.

Very truly yours,

*George M. Hoyer*  
George M. Hoyer  
Completion Engineer

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease  
 Fee  
 State Oil & Gas Lease No.  
**V-279**

1a. TYPE OF WELL  
 OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
 b. TYPE OF COMPLETION  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER \_\_\_\_\_

7. Unit Agreement Name  
 8. Farm or Lease Name  
**Sims 35 State**  
 9. Well No.  
**1**  
 10. Field and Pool, or Wildcat  
**Wildcat Morrow**

2. Name of Operator  
**HNG OIL COMPANY**  
 3. Address of Operator  
**P. O. Box 2267, Midland, Texas 79702**  
 4. Location of Well  
 UNIT LETTER **B** LOCATED **660** FEET FROM THE **North** LINE AND **1980** FEET FROM  
 THE **East** LINE OF SEC. **35** TWP. **20S** RGE. **35E** NMPM

12. County  
**Lea**

15. Date Spudded **6-15-81** 16. Date T.D. Reached **8-24-81** 17. Date Compl. (Ready to Prod.) **8-30-81** 18. Elevations (DF, RKB, RT, GR, etc.) **3679.9' GR** 19. Elev. Casinghead **3679.9'**

20. Total Depth **14,744'** 21. Plug Back T.D. **14,640'** 22. If Multiple Compl., How Many \_\_\_\_\_ 23. Intervals Drilled By  
 Rotary Tools  Cable Tools \_\_\_\_\_

24. Producing Interval(s), of this completion - Top, Bottom, Name  
**12,963' - 13,192' (Morrow)** 25. Was Directional Survey Made  
**No**

26. Type Electric and Other Logs Run  
**CNL Density, Dual Laterlog Micro-SFL** 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#	860'	17-1/2"	400 Pacesetter Lite & 300 C1 C	Circ.
9-5/8"	40# & 36#	5655'	12-1/4"	2950 HLW & 500 C1 C	Circ.
7"	26#	12320'	8-3/4"	425 HLW & 325 C1 H 50-50 Poz.	-

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4-1/2"	12002'	14723'	350	-	2-7/8"	12,003	12,003'

31. Perforation Record (Interval, size and number)  
**12,963' - 13,192' (.32" 26)**

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12963-13192	breakdown at 5500 -3 PBM 6000-3-1/2 BPM, ISIP 4600 15 min 4400.

33. PRODUCTION

Date First Production **8-30-81** Production Method (Flowing, gas lift, pumping - Size and type pump) **Flowing** Well Status (Prod. or Shut-in) **Shut-in**

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
8-31-81	24	11/64"	→	1	48	5.105	48,000
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
4500	-	→				39.0	

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

35. List of Attachments  
**Form C-122, Inclination Survey & Logs**

*Handwritten note: gas liquid ratio 48000 / 6 = 8000*

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 Gildon TITLE **Regulatory Analyst** DATE **9/23/81**

Don Nutter

TO CORRECT GAS VOLUME AND GOR

Form C-105  
Revised 11-1-74

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State  Fee

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 \_\_\_\_\_

7. Unit Agreement Name  
V-279

2. Name of Operator  
HNG OIL COMPANY

8. Farm or Lease Name  
Sims 35 State

3. Address of Operator  
P. O. Box 2267, Midland, Texas 79702

9. Well No.  
1

4. Location of Well  
UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM

10. Field and Pool, or Wildcat  
Wildcat Morrow

THE East LINE OF SEC. 35 TWP. 20S RGE. 35E NMPM

12. County  
Lea

15. Date Spudded 6-15-81 16. Date T.D. Reached 8-24-81 17. Date Compl. (Ready to Prod.) 8-30-81 18. Elevations (DF, RKB, RT, GR, etc.) 3679.9' GR 19. Elev. Casinghead 3679.9'

20. Total Depth 14,744' 21. Plug Back T.D. 14,640' 22. If Multiple Compl., How Many \_\_\_\_\_ 23. Intervals Drilled By Rotary Tools X Cable Tools \_\_\_\_\_

24. Producing Interval(s), of this completion - Top, Bottom, Name  
12,963' - 13,192' (Morrow) 25. Was Directional Survey Made No

26. Type Electric and Other Logs Run  
CNL Density, Dual Laterlog Micro-SFL 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
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SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4-1/2"	120002'	14723'	350		2-7/8"	12,003'	12,003'

31. Perforation Record (Interval, size and number)  
12,963' - 13,192' (.32" 26)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>12963' - 13192'</u>	<u>breakdown at 5500 - 3 PBM 6000 3-1/2 BPM, ISIP 4600 15 min 4400.</u>

33. PRODUCTION

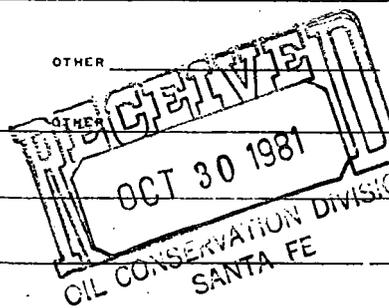
Date First Production 8-30-81 Production Method (*Flowing, gas lift, pumping - Size and type pump*) Flowing Well Status (*Prod. or Shut-in*) Shut-in

Date of Test <u>8-31-81</u>	Hours Tested <u>24</u>	Choke Size <u>11/64"</u>	Prod'n. For Test Period →	Oil - Bbl. <u>1</u>	Gas - MCF <u>4800</u>	Water - Bbl. <u>5</u>	Gas - Oil Ratio <u>4,800,000</u>
Flow Tubing Press. <u>4500</u>	Casing Pressure <u>-</u>	Calculated 24-Hour Rate →	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.) <u>39.0</u>	

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

35. List of Attachments  
Form C-122, Inclination Survey & Logs

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 Gildon TITLE Regulatory Analyst DATE 9/23/81