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

August 12, 1982

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attn: Mr. Joe D. Ramey
Division Director

In Re: Administrative Order TX-91
Pardue 30 Com., Well No. 1
Eddy County, New Mexico

Dear Mr. Ramey:

In response to your letter of August 10, 1982, sorry this office never received the original copy of temporary tubing exception dated June 24.

The above-named well is still shut-in pending pipeline connection with El Paso Natural Gas Company. Per your instructions, the well will be retested after 30 days production, and results of same will be furnished your office and the Artesia OCD. Mr. Bill Gressett at the Oil Conservation Division in Artesia will be notified so that he may schedule a representative from his office to witness the test.

Hopefully after the 30 day production period the well will have had time to clean up and water production will decline.

If you have any further questions, please let me know.

Very truly yours,

HNG OIL COMPANY

Betty Gildon
Regulatory Analyst

bg

cc: Mr. Bill Gressett
Artesia OCD

PVZV2004434356

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

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

August 10, 1982

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

Attention: Betty Gildon

Re: Tubing Exception
Pardue 30 Com Well No. 1

Gentlemen:

I am herewith returning your letter of August 2, 1982, marked "second request" for a tubing exception for the captioned well. This request is accompanied by Form C-105 reflecting a test taken on the well June 15, 1982.

Also enclosed is a copy of Administrative Order TX-91 dated June 24 which approved a temporary tubing exception for the well with instructions to re-test after 30 days' production and notify us of the results. Nothing in your current request indicates whether the well has been connected, whether it has ever produced, or whether it has been re-tested.

I would again request that upon completion of 30 days' production you re-test the well and advise this office of the results. Please notify the Artesia District Office of the Division of the date and hour that said test will be conducted so that a Division representative may witness the test.

Yours very truly,

JOE D. RAMEY
Division Director

JDR/DSN/fd
enc.

cc: Artesia OCD
TX-91 File

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

June 24, 1982

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

Attention: Betty Gildon

Administrative Order TX- 91
Temporary Only

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 10,196 feet in the following well:

LEASE NAME	WELL NO.	UNIT	S-T-R
Pardue 30 Com	1	E	30-23S-28E

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

Very truly yours,

S/ Joe D Ramey

JOE D. RAMEY,
Division Director

P.S. This well shows an unusually low gas-liquid ratio for a gas well, being 13,095 to one based on 24-hour gas production of 2.2 million cubic feet and 168 barrels of water. The distance from the uppermost perforation to the tubing setting depth of 10,196 feet is 1874 feet. We would normally deny such an extreme exception to Rule 107d(3) based on gas-liquid ratio and distance, but are approving this exception on a temporary basis in the hope that the ratio will increase if water production declines. Please re-test this well after 30 days' production and notify this office of the results.

cc: Oil Conservation Division - Artesia

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

June 18, 1982
August 2, 1982

SECOND REQUEST

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

Attn: Mr. Joe D. Ramey
Secretary Director

In Re: Pardue 30 Com., Well No. 1, Und. North Loving Morrow, Unit Letter E, 1980' FNL & 983' FWL, Sec. 30, T23S, R28E, Eddy County, NM.

Dear Mr. Ramey:

Please find enclosed copy of a letter to Mr. Dan Nutter dated 6/18/82, 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 Gildon

Betty A. Gildon
Regulatory Clerk

bg

enclosures

Dan:
With the gas-liquid ratio, perhaps we should not approve this.

JDR

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

June 18, 1982

TO: →

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

Attn: Mr. Dan Nutter

In Re: Pardue 30 Com., Well No. 1
Und. North Loving Morrow
Unit Letter E, 1980' FNL & 983' FWL,
Sec. 30, T23S, R28E, Eddy County, NM

Dear Mr. Nutter:

Tubing for the above-named well has been set at 10,196 feet, and casing perforated from 12,070 to 12160 feet.

This office request administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

Betty Gildon
Regulatory Analyst

bg

enclosures

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

Oil Conservation Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

Attn: Mr. Dan Nutter:

Re: Pardue 30 Com., Well No. 1
Und. North Loving Morrow
Eddy County, NM

Dear Mr. Nutter:

There are several reasons why we feel that completions utilizing a TIW Polish Bore Receptacle or Insert Seal Assembly is the most advantageous method to complete a well.

(1) The inside diameter of the seal ssembly 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. The Insert Seal Assembly sets in the tie back sleeve at the top of the liner.

We feel that this Packer system not only saves 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. Hover

George M. Hover
Completion Engineer

GMH/bg

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Form C-105
Revised 11-1-78

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

RECEIVED JUN 21 1982 OIL CONSERVATION DIVISION SANTA FE

5a. Indicate Type of Lease: State ☐ Fee ☒

5b. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name: Pardue 30 Com.

9. Well No.: 1

10. Field and Pool, or Wildcat: Und. North Loving Morrow

1a. TYPE OF WELL

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

OIL WELL ☐ GAS WELL ☒ DRY ☐ 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 E LOCATED 1980 FEET FROM THE north LINE AND 983 FEET FROM THE west LINE OF SEC. 30 TWP. 23S RGE. 28E NMPM

12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
4-21-82	6-3-82	6-15-82	3089.3' GR	3089.3'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
12,680'	12,174'		→	X	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 12,070 - 12,160

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: Compensated Neutron Formation-Density, Dual Laterolog

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#	568'	17-1/2"	475 HLW & 150 Cl C	Circ.
9-5/8"	47#	2330'	12-1/4"	1250 Lite & 400 Cl C	Circ.
7"	23#	10500'	8-1/2"	850 Lite & 525 Cl H	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	10195	12678	375 Cl H	-

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	10,196'	ISA 10,196'

31. Perforation Record (Interval, size and number)

12,247-12,445 (.35" 17)

12,070-12,160 (.24" 24)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12247-12445	sq. to 5000# w/50 Sx. Cl H
12070-12160	Acidized w/5000 gals 7.5% Morflo Acid.

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
6-14-82	Flowing	Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
6-15-82	24	15/64"		0	2200	168	0

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
3400	Packer					-

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Vented

Test Witnessed By

35. List of Attachments: Logs, Inclination Report

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 (Betty Gildon) TITLE Regulatory Analyst DATE June 18, 1982

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	& 0 to	T. Cherry Canyon	3163	T. Ojo Alamo		T. Penn. "B"	
T. Salt	2400'	T. Strawn	11187	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka	11450	T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss	Morrow Lime 11882	T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian	Morrow Clastics 12050	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. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand	2400	T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp	9270	T. Cherry Canyon Marker	3303	T. Chinle		T.	
T. Penn.		T. Bone Spring 5945		T. Permian		T.	
T Cisco (Bough C)		T. 1st Bone Spring Sd. 6915		T. Penn. "A"		T.	
		3rd Bone Spring 8920					

OIL OR GAS SANDS OR ZONES

No. 1, from Morrow 12070 to 12160 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	668	668	Redbeds	10500	11169	669	Shale
668	1819	1151	Anhy	11169	11827	658	Lime, Shale
1819	2320	501	Salt	11827	12096	269	Shale
2320	3581	1261	Sand	12096	12243	147	Chert, Lime, Shale
3581	4680	1099	Sand, Salt	12243	12436	193	Shale
4680	5483	803	Sand, Shale	12436	12572	136	Sand, Shale
5483	6147	664	Sand	12572	12680	108	Sand
6147	6744	597	Lime		TD		
6744	7164	420	Shale, Lime				
7164	7585	421	Sand, Shale				
7585	8621	1036	Lime, Shale				
8621	9509	888	Lime, Sand				
9509	10500	991	Lime, Shale				

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LAND OFFICE		
OPERATOR		

Form C-105
Revised 11-1-58

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

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.:

1a. TYPE OF WELL

b. TYPE OF COMPLETION: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ____
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ____

7. Unit Agreement Name:

8. Farm or Lease Name: Pardue 30 Com.

2. Name of Operator: HNG OIL COMPANY

9. Well No.: 1

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

10. Field and Pool, or Wildcat: Und. North Loving Morrow

RECEIVED AUG 06 1982 OIL CONS. SANTA FE

4. Location of Well

UNIT LETTER E LOCATED 1980 FEET FROM THE north LINE AND 983 FEET FROM THE west LINE OF SEC. 30 TWP. 23S RGE. 28E NMPM

12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
4-21-82	6-3-82	6-15-82	3089.3' GR	3089.3'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
12,680'	12,174'		→	X	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 12,070 - 12,160

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: Compensated Neutron Formation-Density, Dual Laterolog

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#	568'	17-1/2"	475 HLW & 150 Cl C	Circ.
9-5/8"	47#	2330'	12-1/4"	1250 Lite & 400 Cl C	Circ.
7"	23#	10500'	8-1/2"	850 Lite & 525 Cl H	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	10195	12678	375 Cl H	-

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	10,196'	ISA 10,196'

31. Perforation Record (Interval, size and number)

12,247-12,445 (.35" 17)

12,070-12,160 (.24" 24)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12247-12445	sq. to 5000# w/50 Sx. Cl H
12070-12160	Acidized w/5000 gals 7.5% Morflo Acid.

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
6-14-82	Flowing	Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
6-15-82	24	15/64"		0	2200	168	0

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
3400	Packer					-

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Vented

Test Witnessed By:

2,200,000 / 168 = 13,095 gas/liquid ratio

35. List of Attachments: Logs, Inclination Report

12090 10196 1894 feet between top & uppermost perf.

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 (Betty Gildon) TITLE Regulatory Analyst DATE June 18, 1982

12070
10196
1874

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 & 0 to		T. Cherry Canyon	3163	T. Ojo Alamo		T. Penn. "B"	
T. Salt	2400'	T. Strawn	11187	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka	11450	T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Morrow Lime	11882	T. Cliff House		T. Leadville	
T. 7 Rivers		T. Morrow Clastics	12050	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. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand	2400	T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp	9270	T. Cherry Canyon Marker	3303	T. Chinle		T.	
T. Penn.		T. Bone Spring 5945		T. Permian		T.	
T Cisco (Bough C)		T. 1st Bone Spring Sd. 6915		T. Penn. "A"		T.	
		T. 3rd Bone Spring 8920					

OIL OR GAS SANDS OR ZONES

No. 1, from Morrow 12070 to 12160 — 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	668	668	Redbeds	10500	11169	669	Shale
668	1819	1151	Anhy	11169	11827	658	Lime, Shale
1819	2320	501	Salt	11827	12096	269	Shale
2320	3581	1261	Sand	12096	12243	147	Chert, Lime, Shale
3581	4680	1099	Sand, Salt	12243	12436	193	Shale
4680	5483	803	Sand, Shale	12436	12572	136	Sand, Shale
5483	6147	664	Sand	12572	12680	108	Sand
6147	6744	597	Lime		TD		
6744	7164	420	Shale, Lime				
7164	7585	421	Sand, Shale				
7585	8621	1036	Lime, Shale				
8621	9509	888	Lime, Sand				
9509	10500	991	Lime, Shale				