

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

February 8, 1983



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

Attention: Betty A. Gildon, Regulatory Clerk

Administrative Order TX-105

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 11,011 feet in the following well:

Well Name and Number: Queen Lake 19 Federal Well No. 1

Location: SW/4 NE/4 Sec. 19, T-24-S, R-29-E, NMPM,
Eddy County

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

Very truly yours,

A handwritten signature in black ink, which appears to read "Joe D. Ramey". The signature is written in a cursive style and is positioned above the printed name and title of the signatory.

JOE D. RAMEY,
Division Director

JDR/MES/dr

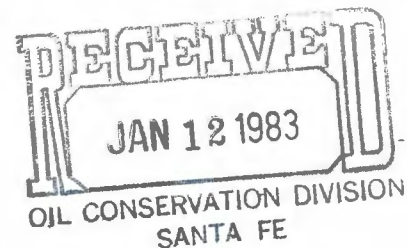
cc: Oil Conservation Division - Artesia
Well File

DV7V3005029481



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

January 10, 1983



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: Queen Lake 19 Federal, Well No. 1
1950' FNL & 1980' FEL, Sec. 19, T24S, R29E
Eddy County, New Mexico

Dear Mr. Ramey:

Please find enclosed copy of a letter to Mr. Dan Nutter dated 1/10/83, 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

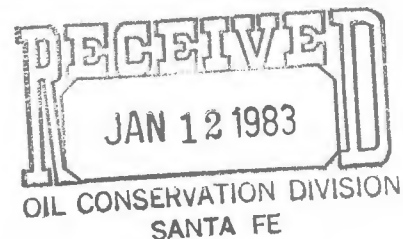
Betty A. Gildon
Regulatory Clerk

bg

enclosures



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



January 10, 1983

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

Attn: Mr. Dan Nutter

In Re: Queen Lake 19 Federal, Well No. 1
1950' FNL & 1980' FEL, Sec. 19, T24S, R29E
Eddy County, New Mexico

Dear Mr. Nutter:

Tubing for the above-named well has been set at 11,011 feet, and casing perforated from 12,154 to 12,163 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

Betty Gildon
Regulatory Analyst

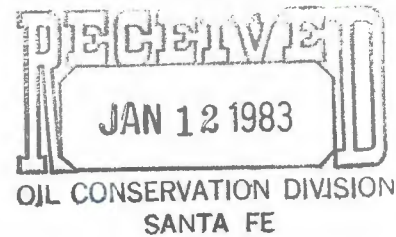
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enclosures



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

January 10, 1983



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

Re: Queen Lake 19 Federal, Well No. 1
1950' FNL & 1980' FEL, Sec. 19, T24S, R29E
Eddy County, NM

Attn: Mr. Dan Nutter:

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other ☐										
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other ☐								
2. NAME OF OPERATOR HNG OIL COMPANY						RECEIVED JAN 12 1983 OIL CONSERVATION DIVISION SANTA FE									
3. ADDRESS OF OPERATOR Box 2267, Midland, Texas 79702															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1950' FNL & 1980' FEL, Sec. 19 At top prod. interval reported below At total depth Same Same															
14. PERMIT NO.		DATE ISSUED 10-7-82				5. LEASE DESIGNATION AND SERIAL NO. NM 17224									
15. DATE SPUDDED 10-20-82		16. DATE T.D. REACHED 12-20-82		17. DATE COMPL. (Ready to prod.) 12-28-82		6. IF INDIAN, ALLOTTEE OR TRIBE NAME									
20. TOTAL DEPTH, MD & TVD 13,500'		21. PLUG, BACK T.D., MD & TVD 13,408'		22. IF MULTIPLE COMPL., HOW MANY*		7. UNIT AGREEMENT NAME									
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 12,154' - 12,163' (Atoka)		23. INTERVALS DRILLED BY →		ROTARY TOOLS X		8. FARM OR LEASE NAME Queen Lake 19 Federal									
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Neutron-Litho Density and Composite of Dual Induction and Dual		27. WAS WELL CORED No		9. WELL NO. 1									
28. CASING RECORD (Report all strings set in well) / Laterolog		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 2956' GR		19. ELEV. CASINGHEAD 2956'		10. FIELD AND POOL, OR WILDCAT Wildcat Atoka									
Casing Size		Weight, LB./FT.		Depth Set (MD)		Hole Size		Cementing Record		Amount Pulled					
13-3/8"		48#		530'		17-1/2"		300 HLC & 510 CI C		Circ.					
9-5/8"		47# & 40#		2630'		12-1/4"		900 HLC & 990 CI C		Circ.					
7"		23#		11190'		8-1/2"		750 HLC & 525 CI H		-					
29. LINER RECORD		30. TUBING RECORD		31. PERFORATION RECORD (Interval, size and number) 12,154' - 12,163' (2 shots/ft. 20 holes --.29" dia.)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 12,154-12,163 AMOUNT AND KIND OF MATERIAL USED 4500 gals 15% BDA		33.* PRODUCTION DATE FIRST PRODUCTION 12-30-82 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut-in		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented					
SIZE 4-1/2"		TOP (MD) 10,987'		BOTTOM (MD) 13,500'		SACKS CEMENT* 400 CI H		SCREEN (MD) -		SIZE 2-3/8"		DEPTH SET (MD) 11,011		PACKER SET (MD) ISA 11,011	
DATE OF TEST 12-31-82		HOURS TESTED 24		CHOKE SIZE 11/64"		PROD'N. FOR TEST PERIOD →		OIL—BBL. 0		GAS—MCF. 1200		WATER—BBL. 0		GAS-OIL RATIO 0	
FLOW. TUBING PRESS. 2300#		CASING PRESSURE Sealed		CALCULATED 24-HOUR RATE →		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.) -		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Logs and Inclination Report														36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED Betty Gildon		TITLE Regulatory Analyst		DATE 1/10/83											

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware Mt. Group	0	2530	Base of Salt	Cherry Canyon Marker	3832	3832
Cherry Canyon	2735	3638	Salt, Anhy, Sand			
Brushy Canyon	3638	4400	100% Sand			
Leonard	4400	6473	Sand, Shale, Lime			
One Springs Lime	6473	6530	Sand, Shale, Lime			
East Bone Springs Sd.	6530	7476	Sand, Shale, Lime			
Wolfcamp	7476	9698	Lime, Shale, Sand			
Trawn	9698	11852	Lime, Shale, Sand			
Toka	11852	12038	Lime, Shale			
Arrow Lime	12038	12657	Lime, Shale, Chert			
Arrow Clastics	12657	12840	Lime, Shale, Chert, Sand			
	12840	13500 TD	Lime, Shale, Chert, Sand			