

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

July 26, 1982

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

Attention: Betty Gildon

Administrative Order TX-93

Temporary Only

Gentlemen:

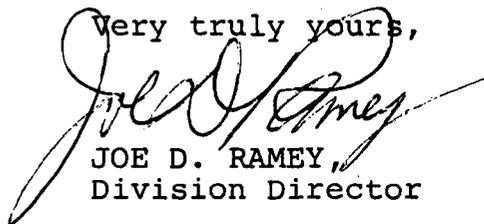
Reference is made to your request for an exception to the tubing setting requirements as contained in Division Rule 107(d)(3) for the below-named well.

Pursuant to the authority granted me by Rule 107(d)(4), you are hereby authorized to set tubing at 10,193 feet in the following well:

<u>LEASE NAME</u>	<u>WELL NO.</u>	<u>UNIT</u>	<u>S-T-R</u>
Ogden 8 Com	1	H	8-24S-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/dr

P.S. This well shows an unusually low gas-liquid ratio for a gas well, being 14,286 to one based on 24-hour gas production of 1.0 million cubic feet and 70 barrels of water. The distance from the uppermost perforation to the tubing setting depth of 10,193 feet is 1097 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

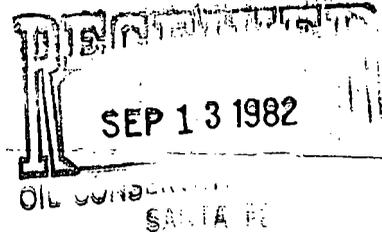
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P. O. BOX 2267, MIDLAND, TEXAS 79702 (915) 683-4871

September 9, 1982

Mr. Joe D. Ramey
Division Director
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501



Re: Administrative Order TX 93
Dated July 26, 1982
Ogden 8 Com., Well No. 1
Section 8, T24S, R28E

Dear Mr. Ramey:

This letter is to confirm our phone conversation on September 8, 1982. On September 7 and again on September 8, we attempted to kill the Ogden 8 Com., Well No. 1, with 10 ppg brine in order to trip the tubing and set a packer approximately 200 feet above the perforations at 11,290 feet. We were unable to kill the well. You gave us verbal permission to flow the well for six months, then retest this well and notify your office of the results.

We will retest the well February 8, 1983, and notify your office.

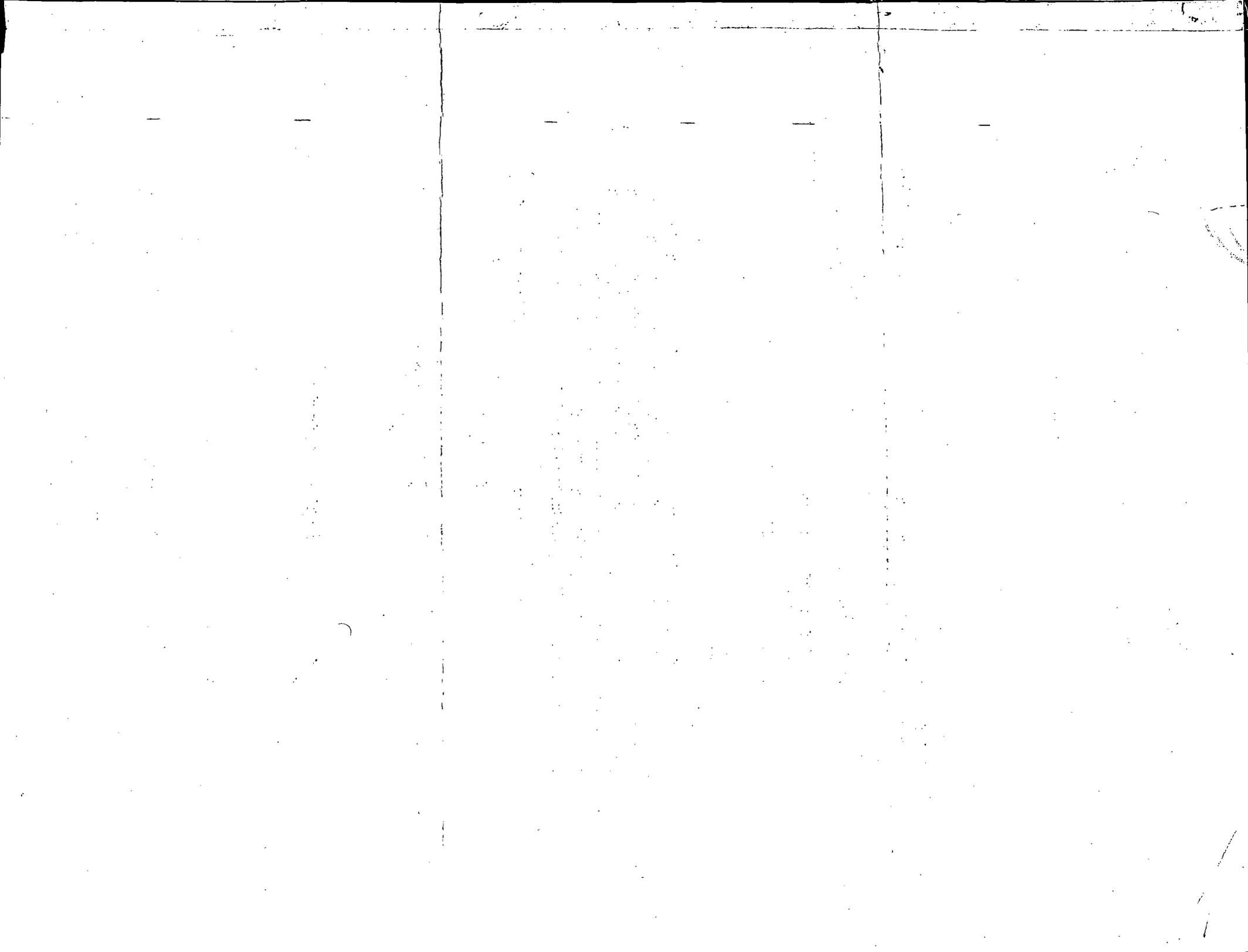
Sincerely yours,

Bill Cope

Bill Cope
Completion Engineer

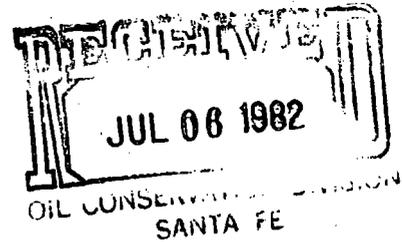
BC/bg

cc: New Mexico Oil Conservation Commission
Artesia, New Mexico





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



June 29, 1982

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: Ogden 8 Com., Well No. 1, 2200' FNL & 945' FEL,
Section 8, T24S, R28E, Eddy County, New Mexico.

Dear Mr. Ramey:

Please find enclosed copy of a letter to Mr. Dan Nutter dated 6/29/82, 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 A. Gildon
Regulatory Clerk

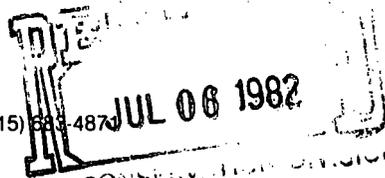
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enclosures



P. O. BOX 2267, MIDLAND, TEXAS 79702

(915) 833-4873



OIL CONSERVATION DIVISION
June 29, 1982 SANTA FE

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

Attn: Mr. Dan Nutter

In Re: Ogden 8 Com., Well No. 1, 2200' FNL & 945' FEL,
Section 8, T24S, R28E, Eddy County, New Mexico.

Dear Mr. Nutter:

Tubing for the above-named well has been set at 10,193 feet and casing perforated from 11,290 feet to 11,393 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

Betty Gildon
Regulatory Analyst

bg

enclosures



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

JUL 06 1982

June 29, 1982

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

Attn: Mr. Dan Nutter:

Re: Ogden 8 Com., Well No. 1
Eddy County, New Mexico

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 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. 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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LAND OFFICE	
OPERATOR	

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

JUL 06 1982

Form C-105
Revised 11-1-80

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

8. Farm or Lease Name
Ogden 8 Com.

9. Well No.
1

10. Field and Pool, or Wildcat
West Malaga Atoka

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 **2200** FEET FROM THE **north** LINE AND **945** FEET FROM
 THE **east** LINE OF SEC. **8** TWP. **24S** RGE. **28E** NMPM

12. County
Eddy

15. Date Spudded **4-14-82 PB** 16. Date T.D. Reached **4-14-82** 17. Date Compl. (Ready to Prod.) **6-26-82** 18. Elevations (DF, RKB, RT, GR, etc.) **3005.5' GR** 19. Elev. Casinghead **3003'**

20. Total Depth **12,920'** 21. Plug Back T.D. **11,475'** 22. If Multiple Compl., How Many _____ 23. Intervals Drilled By _____ Rotary Tools _____ Cable Tools _____

24. Producing Interval(s), of this completion - Top, Bottom, Name
11,290 - 11,393 (Atoka)

25. Was Directional Survey Made **No**

26. Type Electric and Other Logs Run **None** 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#	690	17-1/2"	600 C1 C	Circ.
9-5/8"	36#	2407	12-1/4"	1800 TWL	Circ.
7"	29#	10395	8-1/2"	800 TLW & 500 C1 H	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4-1/2"	10165'	12920'	350	-	2-7/8"	10,193'	10,193'

30. TUBING RECORD

31. Perforation Record (Interval, size and number)

11,549' - 11,556' (.32" 14) 2 shots/ft.
 11,290 - 11,297' (.35" 7) 1 shot/ft.
 3500 gals 75% Morrow Acid
 11,379' - 11,393' (.35" 14) 1 shot/2 ft.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,216-12,548	sq. w/100 sx. C1 H
11,549-11,556	3500 gals Morflo BC Acid.
	Cmt. ret. @ 11,500' pumped 50 sx. C1 H .8% D19 + 25' cement on top of retainer.

33. PRODUCTION

No treatment 11379-11393

Date First Production **6-27-82** Production Method (Flowing, gas lift, pumping - Size and type pump) **Flowing** Well Status (Prod. or Shut-in) **Producing**

Date of Test **6-27-82** Hours Tested **24** Choke Size **12/64"** Prod'n. For Test Period **→** Oil - Bbl. **0** Gas - MCF **1000** Water - Bbl. **70** Gas - Oil Ratio _____

Flow Tubing Press. **3000** 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 **None**

Top perf's 11290
Tbg set @ 10193
1097' 4 1/2" flow gas/wtr ratio 14286/1

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 Gilman* TITLE Regulatory Analyst DATE June 28, 1982

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. Cherry Canyon 3475	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn 11288	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka 11535	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss 12820	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 2580	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs 6068	T. Wingate _____	T. _____
T. Wolfcamp 9300	T. Brushy Canyon 4518	T. Chinle _____	T. _____
T. Penn. _____	T. Dean Sand 8966	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. Morrow Lime 12040	T. Penn. "A" _____	T. _____

Morrow Clastics 12195 OIL OR GAS SANDS OR ZONES

No. 1, from Morrow 12216 to 12548	No. 4, from _____ to _____
No. 2, from Atoka 11549 to 11556	No. 5, from _____ to _____
No. 3, from Atoka _____ 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	1275	1275	Sand				
1275	2505	1230	Salt & Anhy				
2505	3420	915	Dolomite				
3420	6584	3164	Lime, Sand, Shale				
6584	7290	706	Lime, Shale, Chert				
7290	10597	3307	Lime, Sand, Shale				
10597	11275	678	Shale				
11275	12284	1009	Lime, Shale				
12284	12313	29	Lime, Shale, Chert				
12313	12920	607	Shale, Lime, Sand				