



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

TONEY ANAYA  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

August 6, 1984

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

Attention: Betty Gildon

Administrative Order TX-142

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 9,007 feet in the following well:

Well Name and Number: White City 14 Federal, Well No. 1

Location: 1650 FNL, 1650 FEL, Sec. 14, T-25S, R-26E,  
NMPM, Eddy County, NM

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/MES/dp

cc: Oil Conservation Division - Artesia

PV2V2005037689



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

July 30, 1984

Oil Conservation Division  
P. O. Box 2088  
State Land Office Bldg.  
Santa Fe, NM 87501

AUG 2 1984  
RECEIVED

Attn: Mr. Joe D. Ramey  
Division Director

In Re: White City 14 Federal, Well No. 1  
1650' FNL & 1650' FEL, Sec. 14, T25S, R26E  
Eddy County, New Mexico

Dear Mr. Ramey:

Tubing for the above-named well has been set at 9007 feet, and casing perforated from 11527 feet to 11631 feet.

This office requests administrative exception to Rule 107d.

Very truly yours,

HNG OIL COMPANY

A handwritten signature in cursive script that reads "Betty Gildon".

Betty Gildon  
Regulatory Analyst

bg

enclosures



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

July 30, 1984

Oil Conservation Division  
P. O. Box 2088  
State Land Office Bldg.  
Santa Fe, New Mexico 87501

Attn: Mr. Joe D. Ramey  
Division Director

Dear Mr. Ramey:

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*  
lg

George M. Hover  
Petroleum Engineer III

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 <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR HNG OIL COMPANY						5. LEASE DESIGNATION AND SERIAL NO. NM 19423	
3. ADDRESS OF OPERATOR P. O. Box 2267, Midland, Texas 79702						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650' FNL & 1650' FEL At top prod. interval reported below Same At total depth Same						7. UNIT AGREEMENT NAME	
14. PERMIT NO. _____ DATE ISSUED 5-3-84						8. FARM OR LEASE NAME White City 14 Federal	
15. DATE SPUDDED 5-21-84						9. WELL NO. 1	
16. DATE T.D. REACHED 7-1-84						10. FIELD AND POOL, OR WILDCAT White City Penn	
17. DATE COMPL. (Ready to prod.) 7-9-84						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 14, T25S, R26E	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3296.6' GR						12. COUNTY OR PARISH Eddy	
19. ELEV. CASINGHEAD 3296.6'						13. STATE NM	
20. TOTAL DEPTH, MD & TVD 11,875'		21. PLUG, BACK T.D., MD & TVD 11,825'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 11,527' - 11,631' (Penn.)		25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Comp. Density & Neutron, Dual Laterolog, BHC Sonic & Laserlog		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
13-3/8"	54.5#	400'	17-1/2"	190 HL & 275 C1 C		Circulated	
9-5/8"	40# & 36#	1859'	12-1/4"	800 HL & 400 C1 C		Circulated	
7"	26#	9250'	8-1/2"	650 HL & 525 C1 H		-	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
4-1/2"	9007'	11872'	450 C1 H	-	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	9007'	PBR @ 9007'
31. PERFORATION RECORD (Interval, size and number) 11,527' - 11,631' (.38", 13)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				11527-11631		3500 gals 7-1/2% Acid w/500 scf/bbl N <sub>2</sub>	
33. PRODUCTION							
DATE FIRST PRODUCTION 7-9-84		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 7-18-84	HOURS TESTED 4	CHOKE SIZE 11/64"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 0	GAS—MCF. 1738	WATER—BBL. 0	GAS-OIL RATIO 0
FLOW. TUBING PRESS. 1850#	CASING PRESSURE Sealed	CALCULATED 24-HOUR RATE →	OIL—BBL. 0	GAS—MCF. 1738	WATER—BBL. 0	OIL GRAVITY-API (CORR.) -	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Logs							
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 7/30/84	

\*(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 35.

**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 zone (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.
	0	320	Surface rock and lime
	320	945	any & lime
Delaware	945	2160	100% any
Cherry Canyon Marker,	2160	5550	100% sand
Brushy Canyon & Bone	5550	6122	100% lime
Spgs.	6122	6587	100% shale
Bone Springs	6587	9250	Lime, Shale, Sand
Bone Springs & Wlfcap.	9250	10282	100% shale
Wolfcamp & Strawn	10282	11134	lime, shale, sand
Strawn & Atoka	11134	11611	lime, chert, shale, sand
Atoka & Morrow	11611	11875	lime, shale, sand

## 38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	1900	
Cherry Canyon Mkr	2892	
Brushy Canyon	3394	
Bone Springs	5462	
Wolfcamp	8594	
Strawn	10575	
Atoka	10797	
Morrow Lime	11186	
Morrow Clastics	11348	