

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES

SUBMIT IN DUPLI 3*

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 19623

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Vaca 13 Federal

9. WELL NO.

10. UNDESIGNATED
WELLS
11. SEC., T., R., E., OR BLOCK AND SURVEY
OR AREA

Sec. 13, T25S, R33E

12. COUNTY OR
PARISH

Lea

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Otherb. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR

HNG OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 2267, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

660' FNL & 1880' FWL

At top prod. interval reported below

At total depth Same

Same

14. PERMIT NO.

DATE ISSUED

7-15-83

15. DATE SPUNDED

8-5-83

16. DATE T.D. REACHED

11-10-83

17. DATE COMPL. (Ready to prod.)

11-23-83

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*

3360.6' GR

19. ELEV. CASINGHEAD

3360.6'

20. TOTAL DEPTH, MD & TVD

15,948'

21. PLUG, BACK T.D., MD & TVD

15,375'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

15,264 - 15,270 (Morrow)

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN BHC Sonic, Repeat Formation Tester, Comp. Neutron

27. WAS WELL CORED

No

Litho Density, Composite of Dual Laterolog and Dual Induction

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"	48#	624'	17-1/2"	265 Pacesetter Lite & 250	C1 C Circ.
9-5/8"	36# & 40#	5050'	12-1/4"	2000 Lite C & 475 C1 C	Circ.
7"	26#	13500'	8-3/4"	775 Lite & 475 C1 H	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	13,185'	14,950'	200 C1 H	-	2-7/8"	14,621'	14,621'
3-1/2"	14,613'	15,946'	150 C1 H	-			

31. PERFORATION RECORD (Interval, size and number)

15,493' - 15,546' (.25" 15)
15,264' - 15,270' (.30" 7)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
15493-15546	CIBP at 15400 " 25' cement on top
15264 - 15270	4000 Gals 7-1/2% BC Morrow Flow acid

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12-1-83		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-2-83	24	24/64"	→	0	1400	10	0
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
4100	Sealed	→				0	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

ACCEPTED FOR RECORD

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs

(ORIG. SGD.) DAVID R. GLASS

DEC 21 1983

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 12/15/83

*(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 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: "Seals 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 ZONES

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED 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
Delaware Cherry Canyon, Leonard, Bone Sp. Wolfcamp Strawn Atoka Morrow	0	1880	100% Anhy	Delaware	5172
	1880	3832	Anhy, Salt	Cherry Canyon	6214
	3832	4240	100% Anhy	C. Canyon Krkr	6460
	4240	4938	Anhy, Dolo	Leonard	9120
	4938	5644	100% Anhy	Bone Springs	9274
	5644	11400	Sand, Shale, Lime	Wolfcamp	12460
	11400	11900	100% Shale	Strawn	14130
	11900	12348	Shale, Lime	Atoka	14272
	12348	12792	100% Shale	Morrow Lime	14700
	12792	13212	Shale, Lime	Morrow Clastics	14945
	13212	13500	100% Shale		
	13500	13651	Shale, Lime		
	13651	13750	100% Shale		
	13750	14124	Shale, Lime		
	14124	14193	100% Shale		
	14193	14337	Shale, Lime, Chert		
	14337	14419	100% Shale		
	14419	14952	Shale, Lime		
	14952	14955	100% Lime		
	14955	14987	Lime, Shale,		
	14987	15016	100% Lime		
	15016	15465	Lime, Shale, Chert, Sand		
	15465	15540	100% Shale		
	15540	15671	Lime, Sh, Sds		
	15671	15798	100% Shale		
	15798	15902	Shale, Lime, Chert, Sand		
	15902	15935	100% Shale		
	15935	15945	Shale, Lime		

RECEIVED
DEC 27 1983
HOBBS OFFICE