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Form C-105
Revised 11-1-80

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.
L-6328

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
Vaca Draw 16 State

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
Wildcat Atoka

4. Location of Well

UNIT LETTER **E** LOCATED **1980** FEET FROM THE **North** LINE AND **660** FEET FROM

THE **West** LINE OF SEC. **16** TWP. **25S** RGE. **33E** NMPM

12. County
Lea

15. Date Spudded **2-20-81** 16. Date T.D. Reached **6-16-81** 17. Date Compl. (Ready to Prod.) **9-23-81** 18. Elevations (DF, RKB, RT, GR, etc.) **3416' GR** 19. Elev. Castinghead **3416'**

20. Total Depth **16,075'** 21. Plug Back T.D. **14,845'** 22. If Multiple Compl., How Many _____ 23. Intervals Drilled By Rotary Tools ☒ Cable Tools _____

24. Producing Interval(s), of this completion - Top, Bottom, Name
14,248' - 14,757' (Atoka) 25. Was Directional Survey Made **No**

26. Type Electric and Other Logs Run
Compensated Neutron Formation Density and Dual Laterolog Micro-SFL 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#	560'	17-1/2"	300 Pacesetter Lite & 250 C1 C	Circ.
9-5/8"	36#	4924'	12-1/4"	2900 Pacesetter C Lite & 500 C1 C	Circ.
7"	26#	13253'	8-1/2"	500 Pacesetter Lite & 550 C1 H	-

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4-1/2"	13,006'	16,072'	600 C1 H	-	2-7/8"	12,960'	12,960'

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
15,058' - 15,718'	(.32" 26)	15058-15718	3500 gals Morflo BC Acid
15,471' - 15,502'	(.32" 18)	15471-15502	1000 gals Morflo BC Acid
14,248' - 14,757'	(.32" 14)	15058-15718	Squeezed w/240 sx C1 H
		14248-14757	3500 gals Morflo BC Acid

33. PRODUCTION
Date First Production **9-18-81** Production Method (Flowing, gas lift, pumping - Size and type pump) **Flowing** Well Status (Prod. or Shut-in) **Shut In**
Date of Test **9-18-81** Hours Tested **24** Choke Size **7/64"** Prod'n. For Test Period **3** Oil - Bbl. **2100** Gas - MCF **14** Water - Bbl. **700,000**
Flow Tubing Press. **4850** Casing Pressure **-** Calculated 24-Hour Rate **40.0** Oil Gravity - API (Corr.) **40.0**

34. Disposition of Gas (Sold, used for fuel, vented, etc.) **Vented** Test Witnessed By _____

35. List of Attachments
Logs, Inclination Report and C-122

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 Seldon TITLE Regulatory Analyst DATE October 8, 1981

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 by this. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 20 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 1135.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
Rustler		Cherry					
T. Anhy 1090		T. Canyon 6090		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn 14333		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka 14480		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss Lime 14628		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Morrow 14888		T. Point Lookout		T. Elbert	
T. Grayburg		T. Morrow Clastics 15100		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzite	
T. Glorieta		T. McKee		T. Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota			
T. Blinberry		T. Gr. Wash		T. Morrison			
T. Tubb		T. Granite		T. Todilto			
T. Drinkard		T. Delaware Sand 5013		T. Entrada			
T. Abo		T. Bone Springs 9500		T. Wingate			
T. Wolfcamp 12220		T. 3rd Bone Spring 11633		T. Chinle			
T. Penn.		T. Cherry Canyon Marker		T. Permian			
T. Cisco (Bough C)		T. 6325		T. Penn. "A"			

OIL OR GAS SANDS OR ZONES

No. 1, from Morrow 15058 to 15718	No. 4, from	to
No. 2, from Atoka 14248 to 14757	No. 5, from	to
No. 3, from	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	feet.
No. 3, from	feet.
No. 4, from	feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	245	245	Sand & Redbed	8160	8458	298	Sd, Lm, Sh
245	790	230	Anhy	8458	8680	222	Sd, Lm
790	1390	600	Shale, Sd, Anhy	8680	9002	322	Sd, Lm
1390	2240	850	Salt, Anhy Sh	9002	9205	203	Lm, Sh, Sd
2240	2950	710	Anhy, Salt	9205	9580	375	Lm, Sh
2950	3636	686	Anhy	9580	9967	377	Sh, Lm
3636	4022	386	Anhy, Lime, Sh	9967	10158	201	Lm, Sd, Sh
4022	4468	446	Anhy, Slat	10158	10450	292	Sh, Sd, Lm
4468	4937	469	Anhy, Lm	10450	10685	235	Lm, Sh, Sd
4937	4950	13	Anhy, Lm	10685	10801	116	Lm, Sh
4950	5355	405	Sd, Sh	10801	11157	356	Sh, Sd, Lm
5355	5955	600	Sd, Lm	11157	11510	353	Lm, Sh, Sd
5955	6630	675	Sd, Lm	11510	11795	285	Lm, Sh
6630	7205	575	Sd, Lm	11795	12108	313	Lm, Sh, Sd
7205	7701	496	Sand	12108	12497	389	Lm, Sh, Sd
7701	8160	459	Sd, Sh, Lm	12497	12900	403	Lm, Sh
				12900	13125	225	Sh, Lm, Sd

Continued

HNG OIL COMPANY
Vaca Draw 16 State, Well No. 1
1980' FNL & 660' FWL Sec, 16, T25S, R33E
Lea County, New Mexico

FORMATION RECORD CONTINUED

<u>From</u>	<u>To</u>	<u>Thickness in Feet</u>	<u>Formation</u>
13125	13250	125	Lm, Sd, Sh
13250	13464	214	Lm, Sh
13464	13586	122	Sh, Lm
13586	13655	69	Shale
13655	13712	57	Shale
13712	13770	58	Sh, Lm
13770	13802	32	Lime
13802	13840	40	Sh, Lm
13840	13883	43	Shale
13883	13938	55	Sh, Lm
13938	13983	45	Sh, Lm
13983	14000	17	Sh, Lm
14000	14032	32	Shale
14032	14062	30	Sh, Lm, Chert, Sd
14062	14103	41	Sh, Lm
14103	14135	32	Sh, Lm
14135	14151	16	Sh, Cht, Lm
14151	14192	41	Sh, Lm
14192	14225	33	Sh, Lm
14225	14260	35	Sh, Lm
14260	14327	67	Sh, Lm, Sd
14327	14360	33	Lm, Sh, Sd
14360	14400	40	Sh, Lm
14400	14422	22	Lm, Sh, Cht
14422	14536	114	Sh, Lm
14536	14586	10	Lm
14586	14838	252	Sh, Lm, Sd
14838	15095	257	Sh, Lm, Sd
15095	15099	4	Lm, Cht, Sh, Sd
15137	15238	101	Sh, Lm, Sd
15238	15305	67	Lm, Cht, Sd
15305	15402	97	Lm, Sh, Sd
15402	15576	174	Lm, Cht, Sd
15576	15667	91	Sh, Lm, Sd
15667	15709	42	Sd, Lm, Cht
15709	16012	303	Sd, Lm, Sh
16012	16075 TD	63	Sh, Sd