

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

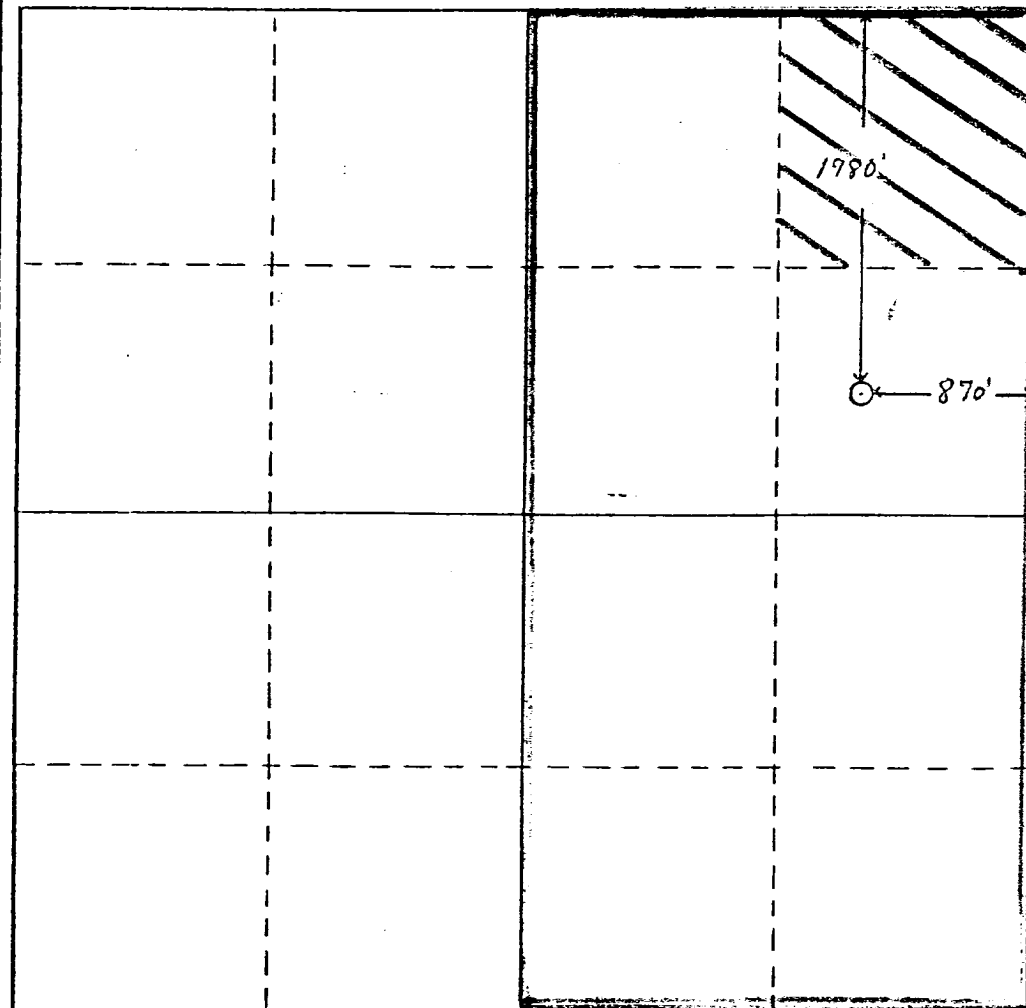
Operator H.N.G. OIL COMPANY			Lease Vasquez 4 Com.		Well No. 1
Unit Letter H	Section 4	Township 24-S	Range 28-E	County Eddy	
Actual Footage Location of Well: 1980' feet from the North line and 870 feet from the East line					
Ground Level Elev: 3037'	Producing Formation Atoka		Pool Unit. West Malaga		Dedicated Acreage: 319.85 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitized

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Betty A. Gildon

Name
Betty A. Gildon

Position
Regulatory Clerk

Company
HNG Oil Company

Date
October 2, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

GARY D. BOSWELL
GARY D. BOSWELL
September 26, 1980

Date Signed
Gary D. Boswell
Registered Professional Engineer
and/or Land Surveyor

Gary D. Boswell
Certificate No. **6689**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

OIL CONSERVATION DIV. ION
P. O. DRAWER DD
ARTESIA, NM 88210

NOTICE OF GAS CONNECTION

APR 12 1981

DATE March 31, 1981

This is to notify the Oil Conservation Division that connection for the purchase
of gas from the HNG Oil Corporation

OPERATOR

Vasquez 4 Com. #1

Eddy

H 4-24S-28E

LEASE & WELL

West Malaga Atoka

COUNTY

El Paso Natural Gas Co.

UNIT S-T-R

POOL

NAME OF PURCHASER

was made on March 25, 1981

31525

01

DATE

SITE CODE

SITE WELL NUMBER

El Paso Natural Gas Co.

PURCHASER

REPRESENTATIVE

Assistant Chief Division Dispatcher

TITLE

MHM: b1

cc: Operator

Oil Conservation Division - Santa Fe, NM

H. P. Logan

M. E. McEuen

Proration

Measurement - Jal

R. L. Tabb

Earl Smith

File

RECEIVED

JAN 22 1981

Form C-105
Revised 11-1-76

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SANTA FE	1
FILE	1
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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

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
Vasquez 4 Com.
9. Well No.
1

2. Name of Operator
HNG Oil Company ✓
3. Address of Operator
P.O. Box 2267, Midland, Texas 79702
4. Location of Well

10. Field and Pool, or Wildcat
West Malaga Morrow

UNIT LETTER H LOCATED 1980 FEET FROM THE North LINE AND 870 FEET FROM
THE East LINE OF SEC. 4 TWP. 24S RGE. 28E NMPM

11. County
Eddy

15. Date Spudded 10-21-80 16. Date T.D. Reached 12-19-80 17. Date Compl. (Ready to Prod.) 12-26-80 18. Elevations (DF, RKB, RT, GR, etc.) 3037' GR 19. Elev. Casinghead 3037'

20. Total Depth 13,000' 21. Plug Back T.D. 12,915' 22. If Multiple Compl., How Many _____ 23. Intervals Drilled By _____ Rotary Tools X Cable Tools _____

24. Producing Interval(s), of this completion - Top, Bottom, Name
11,644' - 11,653' (Morrow) 25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
Compensated Neutron Formation Density 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#	535'	17-1/2"	300 HLW & 150 sx C1C	Circ.
9-5/8"	36#	2,478'	12-1/4"	1250 HLW & 1650 C1C	Top 680' per temp. survey
7"	26# & 23#	10,996'	8-1/2"	600 TLW & 600 C1H	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4-1/2"	10,725'	12,997'	350 C1H		2-3/8"	10,761'	10,761'

31. Perforation Record (Interval, size and number)
11,644' - 11,653' (.25" 18)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11,644-11,653	3000 gals 7-1/2% MS acid

33. PRODUCTION

Date First Production 12-24-80 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Shut - in

Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
12-25-80	24	14/64"		0	1500	18	0

Flow Tubing Press.	Casing Pressure Packer	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
3481						

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented Test Witnessed By John R. Gildon

35. List of Attachments
Inclination Report, Log, Form C-104

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 A. Gildon TITLE Regulatory Clerk DATE 1-20-81

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 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 in 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 completion, 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 1195.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. <u>Cherry Canyon Marker</u> <u>3566</u>	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn <u>Lime</u> <u>11326</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka <u>Shale</u> <u>11572</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	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 Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____ <u>2570</u>	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____ <u>6300</u>	T. Wingate _____	T. _____
T. Wolfcamp <u>9407</u>	T. <u>3rd Bone Spring</u> <u>9058</u>	T. Chinle _____	T. _____
T. Penn. _____	T. <u>Culebra Bluff</u> <u>11642</u>	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. <u>Morrow Lime</u> <u>12070</u>	T. Penn. "A" _____	T. _____
Morrow Lime Marker <u>12396</u>	T. <u>Morrow Clastics</u> <u>12256</u>		
Lower Morrow Shale <u>12730</u>			

OIL OR GAS SANDS OR ZONES

No. 1, from 11644 to 11653 No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ 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	2570	2570	Dolomite, Sand, Anhy, Salt				
2570	3566	996	Delaware				
3566	6300	2734	Cherry Canyon Marker				
6300	9058	2758	Bone Spring				
9058	9407	349	3rd Bone Spring				
9407	11326	1919	Wolfcamp Shale Marker				
11326	11572	246	Strawn Lime				
11572	11642	70	Atoka Shale				
11642	12070	428	Culebra Bluff				
12070	12256	186	Morrow Lime				
12256	12396	140	Morrow Calstics				
12396	12730	334	Morrow Lime Marker				
12730	TD		Lower Morrow Shale				

INCLINATION REPORT

(One Copy Must Be Filled With Each Completion Report.)

1. WELL NAME Und. West Malaga Morrow ✓	2. LEASE NAME Vasquez 4 Com.	3. District 2
4. OPERATOR HNG Oil Company		7. Lease Number (Oil completions only)
5. ADDRESS P.O. Box 2267, Midland, Texas 79702		8. Well Number 1
6. LOCATION (Section, Block, and Survey) Unit letter H, 1980' FNL & 870' FEL, Sec. 4, T24S, R28E		9. Identification Number (Gas completions only) Fee
		10. County Eddy, NM

RECORD OF INCLINATION

Measured Depth (feet)	12. Course Length (Hundreds of feet)	13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
137	137	3/4	1.31	1.79	1.79
220	83	3/4	1.31	1.09	2.88
360	140	1	1.75	2.45	5.33
535	175	1	1.75	3.06	8.39
739	204	1/4	.44	.90	9.29
1095	356	3/4	1.31	4.66	13.95
1374	279	1-1/4	2.18	6.08	20.03
1466	92	1	1.75	1.61	21.64
1980	514	1	1.75	9.00	30.64
2211	231	2	3.49	8.06	38.70
2387	176	1-3/4	3.05	5.37	44.07
2740	353	2	3.49	12.31	56.38
3044	304	1/2	.87	2.64	59.02
3356	312	1/2	.87	2.71	61.73
3660	304	1	1.75	5.32	67.05
4160	500	1-1/4	2.18	10.90	77.95

If additional space is needed, use the reverse side of this form.

Is any information shown on the reverse side of this form? ☒ yes ☐ no

Accumulative total displacement of well bore at total depth of 12670 feet = 362.44 feet.

Inclination measurements were made in ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe

Distance from surface location of well to the nearest lease line 870 feet.

Minimum distance to lease line as prescribed by field rules 330 feet.

Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? No

(If the answer to the above question is "yes", attach written explanation of the circumstances.)

INCLINATION DATA CERTIFICATION

Brice L. Smith
Signature of Authorized Representative
Brice L. Smith
Name of Person and Title (Type or print)
Parker Drilling Company
Name of Company
Telephone: _____
Area Code _____

OPERATOR CERTIFICATION

Betty A. Gildon
Signature of Authorized Representative
Betty A. Gildon, Regulatory Clerk
Name of Person and Title (Type or print)
HNG Oil Company
Operator
Telephone: 915 683-4871
Area Code _____

CHERYL A. MINCES - Notary Public

In and for Midland County, Texas

My Commission Expires 9-4-81

Subscribed and Sworn to before me on this 21 day of Jan 1981

Notary Public in and for Midland County, Texas

RECORD OF INCLINATION (Continued from reverse side)

11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Side of Angle 2100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
4656	496	1-1/4	2.18	10.81	88.76
4965	309	1	1.75	5.41	94.17
5459	494	3/4	1.31	6.47	100.64
5970	511	1-1/2	2.62	13.39	114.03
6575	605	1-3/4	3.05	18.45	132.48
6948	373	1	1.75	6.53	139.01
7380	432	1	1.75	7.56	146.57
7587	207	1-1/4	2.18	4.51	151.08
8156	569	1	1.75	9.96	161.04
8653	497	1-1/2	2.62	13.02	174.06
9311	658	1-3/4	3.05	20.07	194.13
10337	1026	3	5.23	53.66	247.79
11000	663	2-1/2	4.36	28.90	276.69
11550	550	2-1/2	4.36	23.98	300.67
12049	499	2-1/2	4.36	21.76	322.43
12193	144	2-1/2	4.36	6.28	328.71
12267	74	3	5.23	3.87	332.58
12670	403	4-1/4	7.41	29.86	362.44

If additional space is needed, attach separate sheet and check here. ☐

- INSTRUCTIONS -

Inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. Inclination surveys are required on re-entry of abandoned wells. Inclination surveys must be made in accordance with the provisions of Statewide Rule

Its report shall be filed in the District Office of the Commission for the district in which the well is drilled; by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submitter to file original charts, graphs, or discs, relating from the surveys.