

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES REQUIRED	
DISTRICT	
SANTA FE	
FILE	
U.S.D.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PROMOTION OFFICE	

Operator
HNG OIL COMPANY

Address

P. O. Box 2267, Midland, Texas 79702

Reason(s) for filing (Check proper box)

New Well

☒

Change in Transporter of:

Recompletion

☐

Oil

☐

Dry Gas

☐

Change in Ownership

☐

Casinghead Gas

☐

Condensate

☐

Other (Please explain)

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name Vaca Ridge 4 Fed. Com.	Well No. 1	Pool Name, including Formation Pitchfork Ranch Morrow	Kind of Lease State, Federal or Fee Federal	Lease No. NM 16139
Location Unit Letter <u>C</u> ; <u>660</u> Feet From The <u>north</u> Line and <u>1980</u> Feet From The <u>west</u> Line of Section <u>4</u> Township <u>25S</u> Range <u>34E</u> , NMPM, Lea County				

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent) The Permian Corporation P. O. Box 1183, Houston, Texas 77001					
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent) Transwestern Pipeline Company P. O. Btx 2521, Houston, Texas 77002					
If well produces oil or liquids, give location of tanks.	Unit <u>C</u>	Sec. <u>4</u>	Twp. <u>25S</u>	Rge. <u>34E</u>	Is gas actually connected? No	When

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'ty.	Diff. Res'ty.
		X	X					
Date Spudded 12-17-83	Date Compl. Ready to Prod. 2-20-84		Total Depth 15,160'			P.B.T.D. 15,102'		
Elevations (DF, RKB, RT, GR, etc.) 3373' GR	Name of Producing Formation Morrow		Top Oil/Gas Pay 14,942'			Tubing Depth 2-7/8" at 12975'		
Perforations 14,942' - 15,018'						Depth Casing Shoe		

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17-1/2"	13-3/8"	595'	515
12-1/4"	9-5/8"	5,228'	2475
8-3/4"	7"	13,300'	1175
6-1/8"	4-1/2" Liner at 15,160, TOL: 12,975'		425

TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

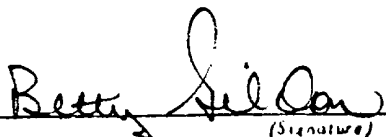
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D 4100	Length of Test 24 hours	Bbls. Condensate/MMCF 2.68	Gravity of Condensate 48.0
Testing Method (pilot, back pr.) Back Pressure	Tubing Pressure (Shut-in) 6300	Casing Pressure (Shut-in) Sealed	Choke Size 22/64"

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.



Betty Gildon, Regulatory Analyst

February 24, 1984

OIL CONSERVATION DIVISION

APPROVED JUL - 2 1984, 19
Eddie W. Seay
BY Oil & Gas Inspector
TITLE _____

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

RECEIVED
FEB 27 1984
O.C.D.
HOREL OFFICE

INCLINATION REPORT

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

1. FIELD NAME Pitchfork Ranch Morrow		2. LEASE NAME Vaca Ridge 4 Federal Com.	3. District 1
4. OPERATOR HNG OIL COMPANY		5. Well Number 1	
6. ADDRESS P. O. Box 2267, Midland, Texas 79702		7. Lease Number (Oil completions only) NM 16139	
8. LOCATION Unit Letter C, 660' FNL & 1980' FWL, Sec. 4, T25S, R34E		9. Identification Number (Gas completions only) NM 16139	
		10. County Lea, 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)
150	150	3/4	1.31	1.97	1.97
375	225	1/4	.44	.99	2.96
1102	727	1/2	.87	6.32	9.28
1610	508	1/4	.44	2.24	11.52
2100	490	1/2	.87	4.26	15.78
2630	530	3/4	1.31	6.94	22.72
3120	490	3/4	1.31	6.42	29.14
3620	500	1/2	.87	4.35	33.49
4140	520	1/2	.87	4.52	38.01
5711	1571	1/2	.87	13.67	51.68
6210	499	2	3.49	17.42	69.10
6929	719	2	3.49	25.09	94.19
7320	391	1-1/2	2.62	10.24	104.43
7800	480	1	1.75	8.40	112.83
8315	515	1	1.75	9.01	121.84
8810	495	1	1.75	8.66	130.50

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 14575 feet = 245.88 feet.

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

Distance from surface location of well to the nearest lease line 660 feet.

Minimum distance to lease line as prescribed by field rules _____ 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

Signature of Authorized Representative
Dan R. Womack
Name of Person and Title (Type or print)
Parker Drilling Company
Name of Company
Telephone: _____
Area Code _____

OPERATOR CERTIFICATION

Signature of Authorized Representative
Betty Gildon
Name of Person and Title (Type or print)
HNG OIL COMPANY
Operator
Telephone: 915/683-4871
Area Code _____

Subscribed and Sworn Before Me This 24 Day
of February, 1989.

Cheryl A. Minces
Notary Public

CHERYL A. MINCES-Notary Public
In and for the State of Texas
My Commission Expires 9-4-88

RECORD OF INCLINATION (Continued from reverse side)

12. Measured Depth (feet)	13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Angle of Angle X 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
9685	875	1.31	11.46	141.96
10242	875	1.75	9.71	151.67
10740	500	1.75	8.75	160.42
11200	460	1.75	8.05	168.47
11650	445	2.18	9.81	178.28
11945	295	2.18	6.43	184.71
12400	455	2.18	11.92	196.63
13300	900	2.18	19.62	216.25
14158	858	2.18	18.70	234.95
14575	417	2.62	10.93	245.88

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

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

Commission may require the submittal of original charts, graphs, or discs, test logs from the surveys.

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