Mark K. Mosley
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
P. O. Box 460
726 E. Michigan
Hobbs, NM 88240
(505) 393-4141

June 8, 1983

Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Joe D. Ramey

Gentlemen:

N. E. Haynes No. 14, Unit Letter D, Sec. 22, T-24N, R-5W, Rio Arriba County

Administrative Order TX-100, authorized by your letter dated October 18, 1982, allowed us to produce the above referenced well through the casing. This is to advise you that we now intend to run 1-1/4-inch tubing in this well to unload liquids.

Yours very truly,

MK Mosley

MEG:cyg
cc: NMOCD - Aztec
WAB - Hobbs
Leon Grant - Farmington

pVZV2004437148

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
P. O. BOX 2088
Santa Fe, New Mexico 87501

October 18, 1982

Conoco Inc.
P. O. Box 460
Hobbs, New Mexico 88240

Attention: Mr. W. K. Mosely

Administrative Order TX-100

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 produce the following well through the casing from a depth of approximately 2560 feet:

LEASE NAME	WELL NO.	UNIT	S-T-R
N. E. Haynes	14	D	22-24N-5W

It is our understanding that this well produces no liquids; further, that in the event it should start significant production of liquids, Conoco would run a string of 1 1/4-inch tubing to unload the liquids.

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/DSN/dr

cc: Oil Conservation Division - Aztec

Mark K. Mosley
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
P. O. Box 460
726 E. Michigan
Hobbs, NM 88240
(505) 393-4141

July 14, 1982

New Mexico Oil Conservation Division
Department of Energy & Minerals
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Attn: Joe Ramey

Gentlemen:

Conoco Inc. respectfully requests administrative approval to produce N. E. Haynes No. 14 as a tubingless completion.

The N. E. Haynes No. 14 is currently being drilled as a proposed gas well in the Pictured Cliffs formation. It is located 1090' FNL & 820' FWL of Section 22, T-24N, R-5W in Rio Arriba County.

We propose to drill this well to a total depth of 2560' with the following casing and cementing programs:

Casing:
Surface - 8-5/8" 24#, K-55 set at 308'
Production - 3-1/2", 9.3#, J-55 8-rd set at 2560'

Cement:
Surface - cemented with 210 sx Class "B" to surface
Production - cemented with 300 sx Class "B" light and 100 sx Class "B" neat to surface.

This well is expected to produce an average daily rate of 170 MCF with little or no fluid production. In the event the well begins significant production of liquids, Conoco intends to run 1-1/4", 1.7#, I.J. tubing to unload the well.

In our opinion, no loss of production and/or reserves due to the above well completion will result, therefore, we respectfully request administrative approval to produce this well as a tubingless completion.

Yours very truly,

MK Mosley

MEG:jlj
cc: NMOCD - Aztec

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-104
Revised 10-1-78

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	GAS	
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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED
SEP 27 1982
OIL CONSERVATION DIVISION
SANTA FE

I. Operator: Conoco Inc.

Address: P. O. Box 460, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)

New Well	X	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 _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Northeast Haynes	14	Ballard Pictured Cliffs	State, Federal or Fee: Indian	C-36

Location

Unit Letter D : 1,090 Feet From The North Line and 820 Feet From The West

Line of Section 22 Township 24N Range 5W , NMPM, Rio Arriba County

III. 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)
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
Conoco Inc.	P. O. Box 460, Hobbs, New Mexico 88240

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					Yes	9-15-82

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
6-14-82	9-2-82	2,560'	2,478'
Elevations (DF, RKB, RT, GR, etc.)	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
GL 6,684'	Pictured Cliffs	2,381'	
Perforations			**Depth Casing Shoe**
2,381', 83', 85', 87', 89', 91', 93', 98', 99', 2,401', 29', 31', 33'			2,560'

TUBING, CASING, AND CEMENTING RECORD 2435'

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4"	8-5/8"	308'	210
6-1/2"	3-1/2"	2,560'	300

V. 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)

OIL WELL

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	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
1,499 AOF	24 hrs.		
Testing Method (pitot, back pr.)	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
Flow	N/A	N/A	N/A

VI. 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.

James A. Weis
(Signature)

Administrative Supervisor
(Title)

September 20, 1982
(Date)

OIL CONSERVATION DIVISION

APPROVED _____, 19____

BY _____

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 deviation 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 multiply completed wells.

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 9/14/82	
Company: Conoco Inc.		Connection: New			
Pool: Ballard		Formation: Picture Cliff		Unit: d	
Completion Date: 9/2/82	Total Depth: 2560	Plug Back TD: 2529	Elevation: 6684	Farm or Lease Name: N.E. Haynes	
Csg. Size: 3 1/2 / Wt.: 9.3# / d: 2.992 / Set At: 2560		Perforations: From 2381 To 2435		Well No.: 14	
Tbg. Size: None / Wt. / d / Set At		Perforations: From To		Unit: D / Sec.: 22 / Twp.: 24n. / Rge.: 5w	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single / Gas		Packer Set At: None		County: Rio Arriba	
Producing Thru: Casing	Reservoir Temp. °F: 94° @ 2402	Mean Annual Temp. °F: 55°	Baro. Press. – P_a: 12.2	State: N.M.	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2402	2402	.640				3/4" C.N.		

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 DAYS						612#		S.I.
1.	3/4" x 6" Choke Nipple						97#	67°	3 hours
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.00		109.2	.9933	1.250	n/a.	1491.4
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 624.2 P_c^2 389625.64

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			251207	138418
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.006$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.005$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1498.85$

Absolute Open Flow 1498.85 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	R. A. Farmer	R. A. Farmer	