Mobil Oil Company
A Division of Socony Mobil Oil Company, Inc.
P. O. Box 3371, Durango, Colorado

March 15, 1961

New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

Attn: Mr. Emery Arnold

Re: 1960 Deliverability
Test - Mobil Jicarilla
H #1 Mesaverde

Gentlemen:

Mobil Oil Company's Jicarilla "H" #1 in the Blanco-Mesaverde Pool was tested for deliverability during May, 1960.

Because this well had a plunger lift installed on May 1, 1960, the deliverability test was submitted on a blue copy of NMOCC Form No. C-122-A. As a result, the recent proration schedules have not shown any deliverability figure for this well. The new redistribution schedule did have the correct deliverability.

Enclosed are copies of the Commission Forms No. C-104 and C-122-A.

Very truly yours,

R. C. Mills
Sr. Prod. Engr.

RCM/rhb

Encl.

"COPY"

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, New Mexico (Place) June 10, 1960 (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Socony Mobil Oil Company, Inc. (Company or Operator) Jicarilla "H" (Lease), Well No. 1 LT-MV, in SE ¼ NE ¼,

H (Unit Letter), Sec. 11, T. 26N, R. 3W, NMPM., Blanco Mesaverde Pool

Rio Arriba County. Date Spudded 6/23/56 Date Drilling Completed 8/18/56

Elevation 7062' Total Depth 5965' PBTD 5925'

Top Oil/Gas Pay 5384' Name of Prod. Form. Mesaverde

PRODUCING INTERVAL -

Perforations 5386' - 5882'

Open Hole ____ Depth Casing Shoe 5965' Depth Tubing 5889'

OIL WELL TEST -

Natural Prod. Test: ____ bbls.oil, ____ bbls water in ____ hrs, ____ min. Choke Size ____

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): ____ bbls.oil, ____ bbls water in ____ hrs, ____ min. Choke Size ____

GAS WELL TEST -

Natural Prod. Test: - MCF/Day; Hours flowed - Choke Size -

Method of Testing (pitot, back pressure, etc.): -

Test After Acid or Fracture Treatment: 5731 MCF/Day; Hours flowed 3

Choke Size 3/4" Method of Testing: Back Pressure

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 100,000 gals. Water & 115,000# Sand

Casing Press. - Tubing Press. - Date first new oil run to tanks -

Oil Transporter ____

Gas Transporter El Paso Natural Gas Co.

Please indicate location:

D	C	B	A 1650
E	F	G	H 990
L	K	J	I
M	N	O	P

Tubing, Casing and Cementing Record

Size	Feet	Sax
10-3/4	318	200
7-5/8	3987	150
5-1/2	2138	100

Remarks: Installed Garrett Oil Tool piston 5/1/60.

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OIL CON. DIST.

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved ____, 19____

OIL CONSERVATION COMMISSION

By: ____

Title ____

Socony Mobil Oil Company, Inc.
(Company or Operator)

By: /s/ H. J. Dvoracek
(Signature)

Title Prod. Engr.

Send Communications regarding well to:

Name Mobil Oil Company

Address Box 778, Farmington, New Mexico

"COPY" "COPY"

Form C-122-A
Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Pool Blanco Formation Mesaverde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed 6/10/60

Operator Mobil Oil Company Lease Jicarilla H Well No. 1 LT-MV

Unit H Sec. 11 Twp. 26N Rge. 3W Pay Zone: From 5386' To 5882'

Casing: OD 5-1/2" WT. 14# Set At 3965' Tubing: OD 2-3/8" WT. 4.7# T. Perf. 5889'

Produced Through: Casing ____ Tubing x Gas Gravity: Measured .677 Estimated -

Date of Flow Test: From 5/15/60 To 5/22/60 * Date S.I.P. Measured 5/29/60

Meter Run Size 4.026" Orifice Size 1.000" Type Chart Sq. Rt. Type Taps Flg.

OBSERVED DATA

Flowing casing pressure (Dwt)	____ psig + 12 =	____	psia	(a)
Flowing tubing pressure (Dwt)	478 psig + 12 =	490	psia	(b)
Flowing meter pressure (Dwt)	477 psig + 12 =	489	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken:				
Normal chart reading	____ psig + 12 =	____	psia	(d)
Square root chart reading (7.00)^2 x spring constant 10	=	490	psia	(d)
Meter error (c) - (d) or (d) - (c)	± =	Minus 1	psi	(e)
Friction loss, Flowing column to meter:				
(b) - (c) Flow through tubing: (a) - (c) Flow through casing	=	1	psi	(f)
Seven day average static meter pressure (from meter chart):				
Normal chart average reading	____ psig + 12 =	____	psia	(g)
Square root chart average reading (7.05)^2 x sp. const. 10	=	497	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	496	psia	(h)
P_t = (h) + (f)	=	497	psia	(i)
Wellhead casing shut-in pressure (Dwt)	____ psig + 12 =	____	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 580	psig + 12 =	592	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	592	psia	(l)
Flowing Temp. (Meter Run) 64 °F + 460	=	524	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	296	psia	(n)

FLOW RATE CALCULATION

$$Q = 375 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{22.11}{22.14} = .9986 \right)^{*} = 374 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,374 \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{262.9}{100.5} \right]^{n} \quad .75 \quad 2.057 = 769 \text{ MCF/da.}$$

SUMMARY

P_c =	532 psia
Q =	374 Mcf/day
P_w =	500 psia
P_d =	296 psia
D =	769 Mcf/day

Company Mobil Oil Company
By /s/ Max Beazley
Title Prod. Engr.
Witnessed by ____
Company ____

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DIST.

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3987	.252	12.362	3.115	247.009	250.124	500