

9/9/54

INTER-OFFICE TRANSMITTAL SLIP

TO WJC

FROM WWM

Re: Case # 109-2
Heard before
WWM
@ 9 AM
on June 27, 1954
@ 9 AM
@ Santa Fe

- For Approval
- For Signature
- Note and Advise
- Note and Return
- For Your Files
- For Your Handling

Remarks:

OK to approve deal with
usual deal provisions
* see EAV's findings
WWM

RECOMMENDATIONS
CASE 1092

TO: Mr. Porter, Mr. Mankin and Mr. Gurley

FROM: Mr. Utz

There is no question that the two zones which Amerada wants to dual are separate pools and the dual should be approved.

There is considerable disagreement among geologists in the basin as the correlation of Chacra and the La Ventana. The Four Corners Geological Society is now working on this problem and will come up with an answer (we hope) this summer.

In addition to the routine findings we should find:

(1) That applicant is owner and operator of the Jicarilla Apache "A" Lease etc.

(2) That the applicant proposes to produce gas from the proper perforation of casing through the casing-tubing annulus, gas from the South Blanco Pictured Cliffs Gas Pool and Gas from proper perforation of casing through the tubing from an undesignated gas zone which is currently called the La Ventana sandstone and installation of a suitable packer. *formation*

(3) That the La Ventana *formation* sandstone may not be properly named at this time and that further study of this matter is necessary before a final designation of this zone is made.

(4) That the mechanics of the proposed dual completion as outlined by the applicant are feasible and in good practice.

EL PASO NATURAL GAS COMPANY
GAS WELL TEST

To: Mr. E. E. Alsup

Date: June 6, 1956

From: Gas Engineering

Place: Alamogordo, New Mexico

Subject: Test data on the Amerada Petroleum Corporation Well,
JICARILLA APACHE A # 4, Rio Arriba County, N.M.

Tested by: Tom Grant
Witnessed By: Rex Turnbull (Amerada)

Location: Sec. 26 T. 25N R. 5W S. 990'S, 990'E

Shut-in Pressure: SIPT 919 psig (Shut-in 13 days)

***** Calculated 3 hour Aof = 1,122 MCF/D @ 14.7 psia and 70° F. for G.A.
gravity gas. Flow through tubing for 3 hours.
Calculated working pressure casing 166 psig

Producing Formation: La Ventana T.D. - 3946'
Shot with: quarts from to
Sand Water Frac.

Field: Wildcat

H₂S: Sweet to lead acetate.

Flow through 3/4" choke for 3 hours. Choke volume = 1,095 MCF/Day.

- L. H. Tucker
- *****
- W. L. Adams
- R. M. Harris
- Poland Martin
- W. T. Hollis
- Jack Purvis
- *****
- W. V. Holik
- *****
- D. V. Rittman
- *****
- C. C. Kennedy
- *****
- E. J. Coel, Jr.
- *****
- A. J. Dudenhoeffer
- Amerada
- *****
- File

Lewis D. Galloway
L. D. Galloway

*Photo copy to
Midland
Management
a day or 5-56
SMC*

OPEN FLOW TEST DATA

Date: June 6, 1956

Operator: Amerada Petroleum Corporation

Lease: Jicarilla Apache A # 4

Location: 990'S, 990'E, Sec. 26-25-5

County: Rio Arriba State: N.M.

Formation: La Ventana

Pool: Wildcat

Casing: 5.5 " Set @ 3989 ' ,

Tubing: 2 " Set @ 3900 ' ,

Pay Zone: 3926 ' To: 3946 ' ,

Total Depth: 3946 ' ,

Choke Size: 0.750 " ,

Choke Constant = C = 14.1605

Stimulation Method: Sand Water Frac. Flow Through: Casing _____ Tubing X

Shut-In Pressure Casing: _____ psig / 12 = _____ psia (Shut-in 13 days)

Shut-In Pressure Tubing: 919 psig / 12 = 931 psia

Flowing Pressure: P : 74 psig / 12 = 86 psia

Working Pressure: P_w : Calculated psig / 12 = 166 psia

Temperature: T : 68 °F / 460 = 528 ° Absolute

F_{pv} (from tables) : 1.010 Gravity 0.749 n 0.750

$$\text{Choke Volume} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$= 14.1605 \times 86 \times .9924 \times .8974 \times \frac{1.010}{1.010} = \underline{1095} \text{ MCF/D}$$

$$\text{Open Flow} = Aof = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$Aof = 1095 \left[\frac{866,761}{839,205} \right]^n = 1095(1.0328)^{.75} = 1095 \times 1.0245$$

$$Aof = \underline{1122} \text{ MCF/D}$$

Tested By: Tom Grant

Witnessed By: Rex Turnbull (Amerada)

Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

October 2, 1956

C

O

P

Y

Mr. R. S. Christie
Amerada Petroleum Corporation
P.O. Box 2040
Tulsa 2, Oklahoma

Dear Sir:

We enclose a copy of Orders R-885, R-890, R-893 issued September 27, 1956, by the Oil Conservation Commission in Cases 1142, 1092 and 1093, respectively.

Very truly yours,

A. L. Porter, Jr.
Secretary - Director

brp
Encls.

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION TELEGRAM

W. P. MARSHALL, PRESIDENT

SYMBOLS

DL = Day Letter
NL = Night Letter
LT = International Letter Telegram

MAIN OFFICE OCC

The time shown in the date line on domestic telegrams is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

1956 JUN 5 PM 1:25
LA 152 KA367

1956 JUN 5 PM 1:18

R TUB293 PD=TULA OKLA 5 138PMC=

NEW MEXICO OIL VMNSERVATION COMMISSION=

SANTA FE NMEX=

ATTENTION MR A L PORTER JR

PLEASE AMEND AMERADA PEROLEUM CORPORATION'S APPLICATION TO DUALY COMPLETE AMERADA'S JICARILLA APACHE "A" NO. 4, RIO ARRIBA COUNTY, NEW MEXICO DATED MAY 21, 1956 TO REQUEST THE CASE BE SET NOR HEARING IN LIEU OF REQUEST FOR ADMINSTRATIVE APPROVAL=

AMERADA PETROLEUM CORPORATION BY R S CHRISTIE=

"A" 4 21 1956=

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING