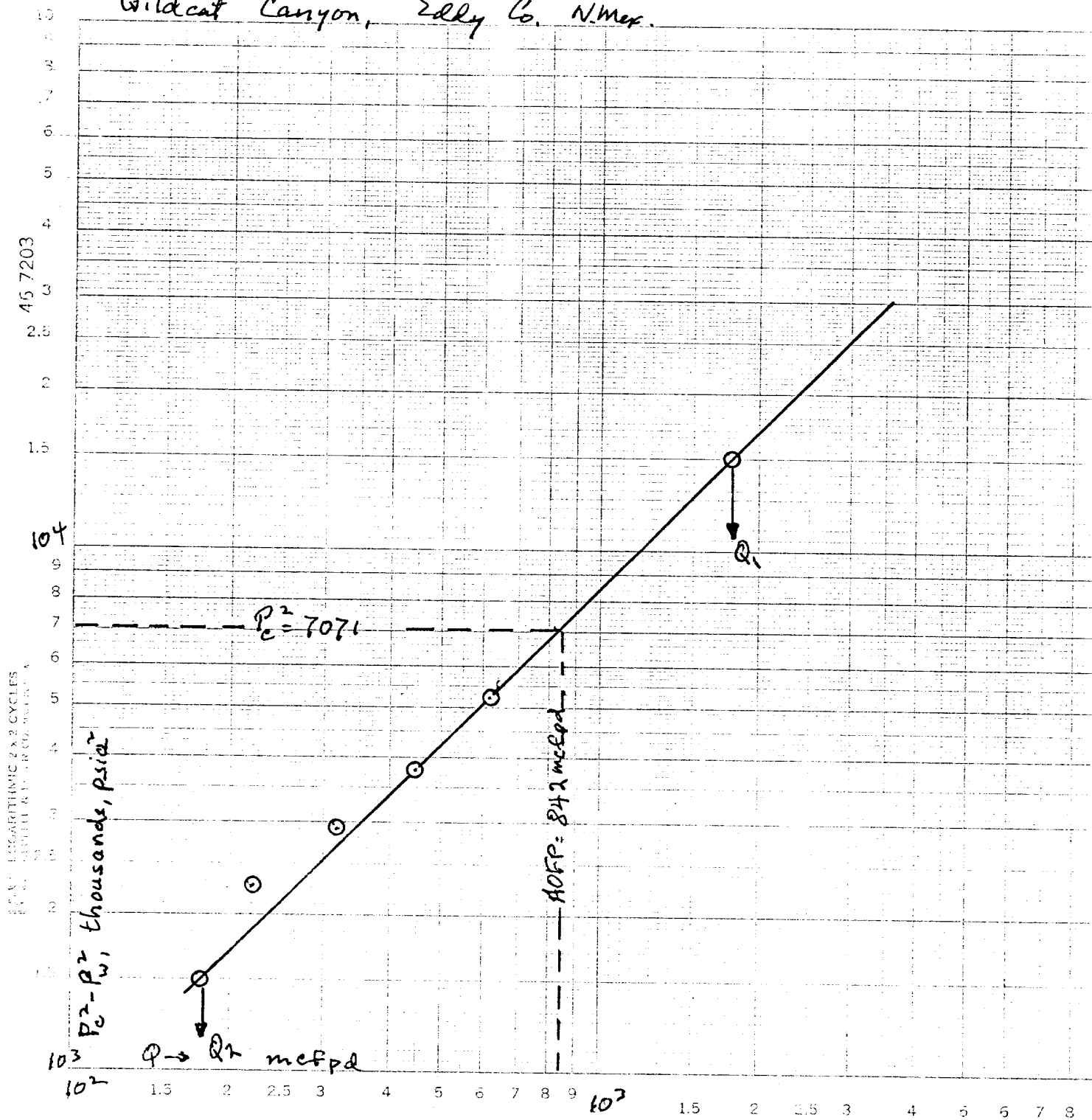


YPC- Kennedy JQ Com No.1, H-33-17s-26E
Wildcat Canyon, Sddy Co. N.Mex.



$$Q_1 = 17700$$

$$Q_2 = 1770$$

$$\log Q_1 = 4.248$$

$$\log Q_2 = 3.248$$

$$n = 1.000$$

WORKSHEET FOR CALCULATION OF ST. IC COLUMN WELLHEAD PRESSURE (P_w)

C-122D
Adopted 9-1-65

COMPANY YPC LEASE Kennedy 50 Con WELL NO. 1 DATE 10-2-79

LOCATION: Unit H Section 33 Township 17S Range 26E

7225 H 7225 L/H 1.000 G 0.786 * % CO₂ 0.51 % N₂ 3.15 % H₂S N/A
 $\frac{8-7170(3.98-2.53)}{55(1.00-0.51)} = \frac{880}{29.47} = 29.86$ d 2.0178 F_i 0.016193 GH 5679
7225(4.0715) = 29416.16 Includes 0.149 H₂O P_{GT} 666.5 * T_{GT} 412 *
TABLE IX A

LINE	1	2	3	4	5	1	2	3	4
1 Q _m	51	1	2	3	4	5	1	2	3
2 v (W.H. °R)	511	516	523	529	534				
3 T _s (B.H. °R)	590	589	589	588	587				
4 T = ($\frac{1+w}{2} + 1$) s	550.5	552.5	556	558.5	560.5				
5 Z (Est.)	.665	.663	.678	.701	.760				
6 T _Z	366.16	366.31	376.97	391.50	425.98				
7 GH/T _Z	15.509	15.503	15.065	14.505	13.332				
8 e ^s (Table XIV)	.17889	.17885	.17593	.17228	.16486				
9 1-e ^s (Table XIV)		.4409	.4316	.4195	.3934				
10 P _i	1988.2	1637.2	1536.2	1377.2	1062.2				
11 P _i 2/1000	3952.9	2680.4	2359.9	1896.9	1128.3				
12 F _r (Table XV)	0.58160	0.58138	0.56494	0.54395	0.49994				
13 c = F _r T _Z		5.9319	6.1042	6.3395	6.8979				
14 F _c Q _m		1.305	1.947	2.834	4.270				
15 L/H (F _c Q _m) ²		1.703	3.792	8.03	18.23				
16 F _w = L/H (F _c Q _m) ² (1-e ^s)		.28	1.6	3.4	7.2				
17 P _w = P _i ² + F _w		2681.2	2361.5	1900.1	1135.5				
18 P _s = e ^s P _w ²	7071.3	4795.3	4154.6	3273.5	1872.0				
19 P _s	2659.2	2189.8	2038.3	1809.3	1368.2				
20 P = ($\frac{P_i}{2} + P_s$)	2323.7	1913.5	1787.2	1533.2	1215.2				
21 P _r = (P/P _{cr})	3.486	2.871	2.682	2.390	1.883				
22 T _r = (T/T _{cr})	1.3434	1.341	1.350	1.356	1.360				
23 Z (Table XI)	.665	.663	.678	.701	.759				

DISTRIBUTION
 NAME
 ADDRESS
 CITY
 STATE
 ZIP
 OFFICE
 TRANSPORTER
 OIL
 GAS
 LOCATION
 LOCATION OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION
 REQUEST FOR ALLOWABLE
 AND
 AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form O-104
 Supersedes Old O-101 and O-11
 Effective 1-1-55

RECEIVED

SEP 17 1979

Yates Petroleum Corporation
 O. C. C.
 ARTESIA, OFFICE

207 South 4th Street-Artesia, NM 88210
 Other (Please explain)
 Change in Transporter of
 Oil ☐ Dry Gas ☐
 Condensate ☐

Change of ownership give name
 Address of previous owner

DESCRIPTION OF WELL AND LEASE
 Well No. 1 Pool Name, including formation
 Kennedy J2 Com
 Widest Canyon
 Kind of Lease
 State, Federal or Fee Fee
 Lease No.
 Unit Letter H 2510 Feet From The North Line and 660 Feet From The East
 Line of Section 33 Township 17S Range 26E NMPM Eddy County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS
 Name of Authorized Transporter of Oil ☐ or Condensate ☒
 Navajo Crude Oil Purchasing Company
 Address (Give address to which approved copy of this form is to be sent)
 No. Freeman Ave-Artesia, NM 88210
 Name of Authorized Transporter of Gas/Head Gas ☐ or Dry Gas ☒
 Transwestern Pipeline Company
 Address (Give address to which approved copy of this form is to be sent)
 P. O. Box 2521 - Houston, TX 77001
 Is gas actually connected? Yes When 9-1-79

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 ☐
 Date Spudded 5-22-78 Date Compl. Ready to Prod. 9-10-79 Total Depth LTD 8732; DTD 8845' P.B.T.D. 7302'
 Deviations (DF, RAB, RT, CR, etc.) 3339' GR Canyon Name of Producing Formation Canyon Top Oil/Gas Pay 7220' Tubing Depth 7177'
 Perforations 7220-7246' Depth Casing Shoe 8728'

TUBING, CASING, AND CEMENTING RECORD
 HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT
 17 1/2" 13-3/8" 429' 350
 12 1/4" 8-5/8" 1443' 1148
 7-7/8" 4 1/2" 8728' 570
 2-3/8" 7177'

TEST DATA AND REQUEST FOR ALLOWABLE
 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 Casing Size
 Actual Prod. During Test Oil - Bbls. Water - Bbls. Gas - MCF

GAS WELL
 Actual Prod. Test - MCF/D Length of Test 24 Pbls. Condensate/MCF Gravity of Condensate
 Testing Method (piston, back pr.) Tubing Pressure (shut-in) 1345# Casing Pressure (shut-in) 23# Casing Size 1 1/2"

CERTIFICATE OF COMPLIANCE
 I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
 Christine Tomlinson-Geol. Secty.
 9-14-79

OIL CONSERVATION COMMISSION
 OCT 1 1 1979
 APPROVED BY W. A. Gressett
 SUPERVISOR, DISTRICT II
 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 allowables on new and re-completed 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 conditions.