Form 15-36A (11-65)

EL PASO NATURAL GAS COMPANY

DATE August 12, 19 81

Exchange Agreement

ADVICE ON WELLS TIED INTO GAS GATHERING SYSTEMS

Name of Producer	Perry R. Bass Interprises (0528)
Well Name and Number	C. A. Loomis Federal #1
Location "E"	660' FWL, ~~1640'~~ 1600' FNL, Sec. 5, T-21-S, R-32-E, Lea County
Pool Name	South Salt Lake Morrow
Producing Formation	Morrow
Top of Gas Pay	13,670'
Oil or Gas Well	Gas
Gas Unit Allocation	320 acres
Date Tied Into Gathering Systems	8/7/81
Date of First Delivery	8/7/81
Gas Gathering System	Carlsbad G/S (12" Carlsbad Line)
Processed through Gasoline Plant (yes or no)	No
Station Number	58-467-65

Remarks: Under Exchange agreement #58 (Amendment #17) (Contract 9568) with Natural Gas Pipeline.

Site code: 32651-8-01

By: M. L. Hutchins, Dispatching

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMM. ON
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-1
Effective 1-1-65

Operator
PERRY R. BASS

Address
BOX 2760, MIDLAND, TX 79702

Reason(s) for filing (Check proper box) (Other (please explain))

New Well [X]
Recompletion [ ]
Change in Ownership [ ]

Change in Transporter of:
Oil [ ] Dry Gas [ ]
Casinghead Gas [ ] Condensate [ ]

If change of ownership give name and address of previous owner —

DESCRIPTION OF WELL AND LEASE

Lease Name	Lease No.	Well No.	Pool Name, Including Formation	Kind of Lease
C.A. LOOMIS FEDERAL NM-04779-B		1	UNDES. MORROW	State, Federal or Fee

Location
Unit Letter E 1600' Feet From The NORTH Line and 760 Feet From The WEST
Line of Section 5 Township 21-S Range 32-E 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)

Name of Authorized Transporter of Casinghead Gas — or Dry Gas X Address (Give address to which approved copy of this form is to be sent)
NATURAL GAS PIPE LINE CO. OF AMERICA BOX 2528, MIDLAND, TX 79702

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	E	5	21-S	32-E	NO	

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'v.	Diff. Res'v
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
NOV. 14, 1980	MARCH 27, 1981	14,131'	13,960 PKR
Elevations (DF, RKB, RT, GR, etc.,	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3638' GL 3657' KB	MORROW	13,672'	
Perforations			**Depth Casing Shoe**
13,672'-13,901', 21 SHOTS - JRC-SSB-II SELECTFIRE.			14,131'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
15"	11 3/4"	560'	450 CL "C"
11"	8 5/8"	2,966'	1220 "LITE" + 200 CL "C"
7 7/8"	5 1/2"	14,131'	835 "LITE" + 900 CL "H"
5 1/2 CSG	2 3/8"		

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
261 (AOF 7,084)	4 HOURS	3.8	51.5
Testing Method (pitot, back pr.)	**Tubing Pressure**	**Casing Pressure**	**Choke Size**
BACK PRESSURE	1711 - 1185	PACKER	VARIOUS

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.

H. P. Hunt, Jr.
(Signature)
Senior Production Clerk
(Title)
April 8, 1981
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19 _____

BY Orig. Signed by Jerry Sexton
Dist. I Supv.

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

OIL CONSERVATION COMMISSION

Box 1980.

Hobbs, New Mexico 88240

NOTICE OF GAS CONNECTION

Date 8-7-81

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Bass ~~Enterprises~~ Kirby K
Operator

C.A. Loomis Federal, #1, S5, T21S, R32E
Lease, Well & Unit, S.T.R.

South Salt Lake Morrow, Natural Gas Pipeline Co of America
Pool, Name of Purchaser

was made on 8-7-81.

Natural Gas Pipeline Co. of America
Purchaser

G. F. VanZandt
Representative

Measurement Engineer
Title

cc: To ~~operator~~
Oil Conservation Commission - Santa Fe

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

5. LEASE DESIGNATION AND SERIAL NO.: NM-04279-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: LITTLE EDDY UNIT

8. FARM OR LEASE NAME: C.A. LOOMIS FEDERAL

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: UNDES. MORROW

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SEC. 5, T21S, R32E

2. NAME OF OPERATOR: PERRY R. BASS

3. ADDRESS OF OPERATOR: BOX 2760, MIDLAND, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 1600' FNL & 600' FWL, UNIT LETTER "E"
At top prod. interval reported below
At total depth

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH: EDDY 13. STATE: N. MEX

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
NOV. 14, 1980	FEB. 16, 1981	MARCH 27, 1981	3635' GL 3657' KB	— —

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
14,131'	13,720' PBTD	SINGLE	→	0-14,131	— —

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
13,672' - 13,901', 21 JRC-558-II SANDSTONE
M. MORROW FORMATION

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL-MFSL, GR-CCL-FDC

27. WAS WELL CORED: NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4"	42	560	15"	[illegible] "C"	NONE
8 5/8"	32 & 28	4966	[illegible]	[illegible] 2% CC & 1/4# CF	NONE
5 1/2"	17	14,131'	7 7/8"	[illegible] 4700 CF "H"	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
	NONE			

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	13,602'	13,600'

31. PERFORATION RECORD (Interval, size and number)
13,987' - 13,993' - 2 JET 12 SHOTS
13,672' - 13,901' - 1 JET 21 SHOTS

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
13,987' - 13,993'	2000 7½% MSR-100
13,987' - 13,993'	2 sx w/100 SKS
13,672' - 13,901'	5400 7½% MSR-100

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
MAR. 27, 1981	FLOWING	SHUT IN

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
MAR. 27, '81	4	VAR.		2.2	261	1	113

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
1711 - 1185	PACKER		9.2	AOF 2094	6	51.5

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
SOLD

TEST WITNESSED BY: RUN BY: DAVIS SERVICES INC.

35. LIST OF ATTACHMENTS
TWO (2) EACH ABOVE LOGS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED H. C. Hurt, Jr. TITLE Dist. Prod. Supt. DATE Apr. 8, 1981

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "*Sacks Cement*": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

RECEIVED
APR 21 1981
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NO DRILL STEM TESTS — NO CORES.

38. GEOLOGIC MARKERS

KB 3657'

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
RUSTLER	1706'	
T/SALT	1350'	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
U/MORROW	13,353'	
M/MORROW	13,526'	
L/MORROW	13,910'	
TD	14,151'	

RECEIVED
APR 28 1981
ARTESIA, NEW MEXICO

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

87-2233

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPO[illegible] AND GAS POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 6-1-65

Type Test: [x] Initial [ ] Annual		Date: 3/26/81	
Company: Perry R. Bass	Air		
Pool: UNDESIGNATED	Morrow		Unit: 34 TEE Eddy Unit
Completion Date: 3/23/81	Total Depth: 14170	Plug Back TD: 13940	Elevation: 3638 G.L.	Farm or Lease Name: C.A.LOOMIS FED.
Csg. Size: 5½	Wt.: 17	d:	Set At: 14170	Perforations: From 13672 To 13901	Well No.: # 1
Tbg. Size: 2 3/8	Wt.: n 80	d:	Set At: 13500	Perforations: From To	Unit: E	Sec.: 5	Twp.: 21s	Rge.: 32e
Type well – Single – Bradenhead – G.G. or G.O. Multiple: Single Gas			Packer Set At: 13600	County: Lea
Producing Thru: Tubing	Reservoir Temp. °F: 210	Mean Annual Temp. °F: 60°	Baro. Press. – P_a: 13.2	State: New Mexico
L: 13630	H: 13630	Gg: .6184	% CO_2: 1.022	% N_2: .770	% H_2S:	Prover:	Meter Run: 4"	Taps: Flg.

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. psig	Diff. hw	Temp. °F
SI						
1.	4	X	1.500	605	5.0	99
2.	4	X	1.500	610	12.0	97
3.	4	X	1.500	615	25.0	88
4.	4	X	1.500	620	46.0	78
5.						

TUBING DATA

NO.	Press. psia	Temp. °F
SI	1711	
1.	1590	
2.	1495	
3.	1270	
4.	1185	
5.		

CASING DATA

NO.	Press. psig	Temp. °F	Duration of Flow
SI			
1.			24hr.
2.			1hr
3.			1hr
4.			1hr
5.			1hr

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	10.84	60.90	618.2	.9645	1.272	1.045	846
2	10.84	86.48	623.2	.9662	1.272	1.046	1205
3	10.84	125.32	628.2	.9741	1.272	1.050	1767
4	10.84	170.67	633.2	.9831	1.272	1.054	2438
5							

NO.	P_t	Temp. °R	T_r	Z
1	.92	559	1.53	.915
2	.93	557	1.53	.914
3	.94	548	1.50	.907
4	.94	538	1.47	.900
5				

Gas Liquid Hydrocarbon Ratio: 113.333 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: 51.5 @ 60° Deg.
Specific Gravity Separator Gas: .6184 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX .646
Critical Pressure: 671 P.S.I.A. 670 P.S.I.A.
Critical Temperature: 365 R 375 R

P_c 1724.2 P_c^2 2972.9

NO	BHP	P_t	P_t^2	$P_c^2 - P_t^2$
1	2282.2	1645.8	2708.5	264.4
2	2229.2	1608.9	2588.4	384.5
3	2116.2	1529.8	2340.2	632.7
4	1997.2	1447.2	2094.3	878.6
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.384$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.905$

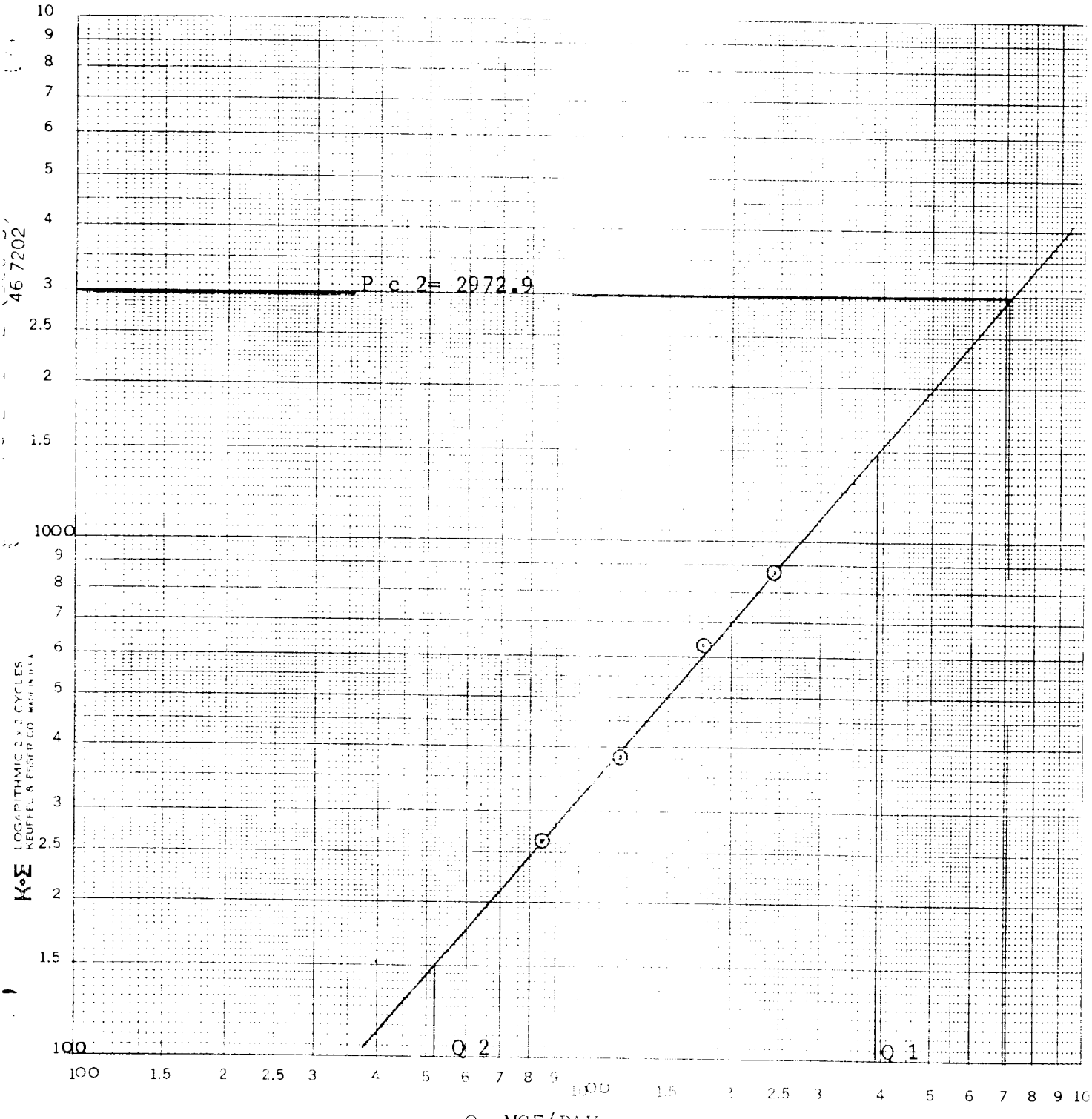
$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7.084$

Absolute Open Flow: 7.084 Mcfd Angle of Slope: 48.75° Slope, n: .875

Remarks: The well produced 2.3 BBLS. of distillate and 1 BBL. H2O during the test.

Approved by Commission:	Conducted By:	Calculated By:	Checked By:
	Davis Services Inc.	Rick Pagan	

Company : Perry R. Bass
Lease : C.A. Loomis Fed. Little Eddy Unit
Well No. : # 1
Unit : E /sec 5/twp 21 s/rge 32 e
County : Lea
State : New Mexico
Date : March 26, 1981



Q MCF/DAY

Q 1= 3900; Log of Q 1 = 3.591065
Q 2= 520; Log of Q 2 = 2.716003
N = .875
θ = 48.75°