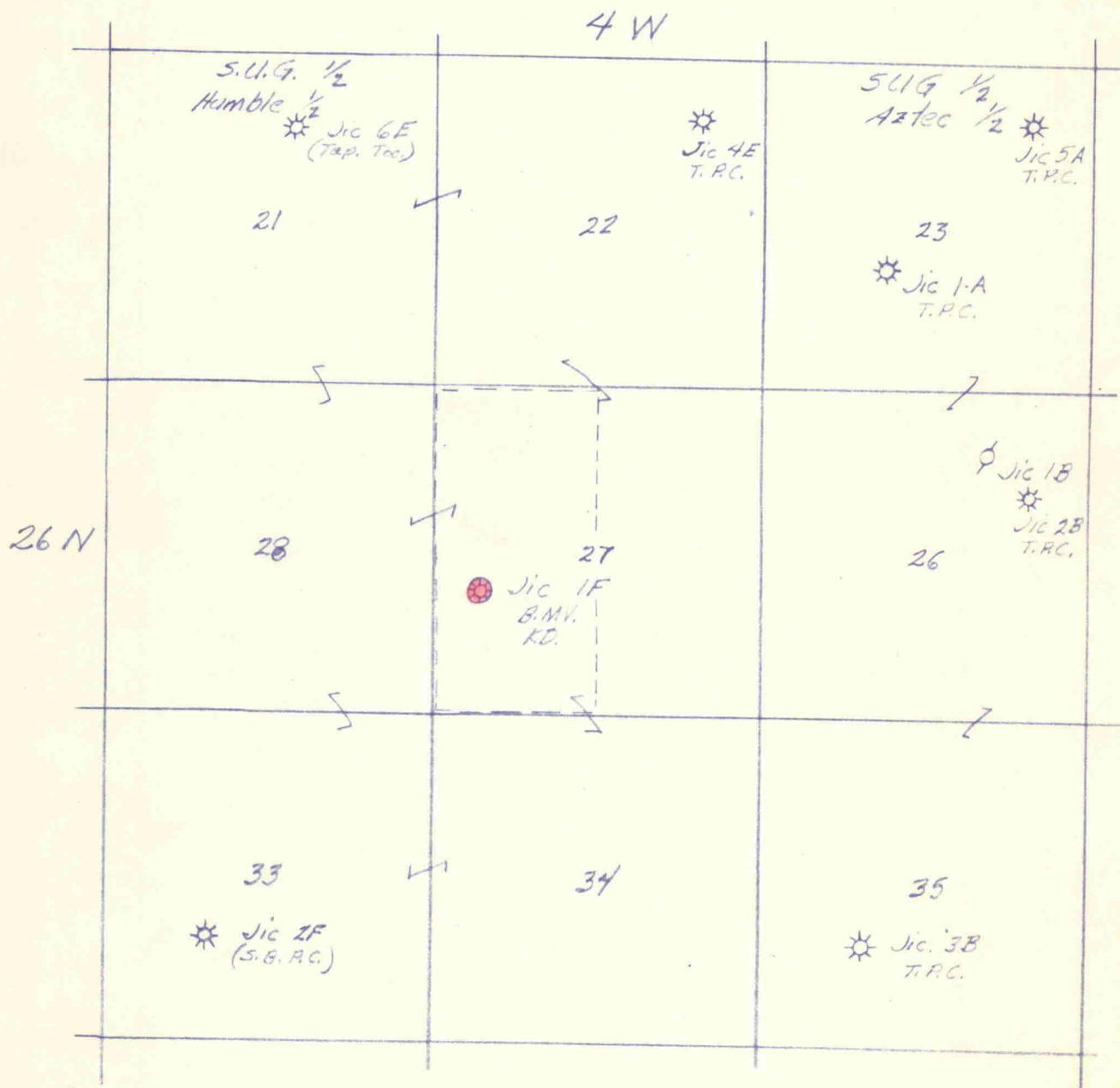


SOUTHERN UNION GAS COMPANY

APPLICATION FOR APPROVAL OF DUAL COMPLETION OF
S.U.G. CO. JICARILLA, 1F
PLAT OF OFFSET LEASES



SOUTHERN UNION GAS COMPANY

Jicarilla 1-F

Sketch of Csg. & Tbg. Details

GL = 7190

1 3/8" 36" H-40
cmt'd w/125 SA.

175'

2 3/8" LUE 4.7" J-55 Ld @ 5180. 4' perf jt & pin collar.

7" 20" & 23"
J-55 cmt'd
w/250 SA

5180

5219
Top of lime sq'd
w/75 SA

5419'

(PB) Whipstock 5439

Fish: 2 3/8" 4.7" tbg,
top at 5761

Open hole to 6030

Perf'd 2 hpf 6030-5900. Frac'd. MV

5" 15" J-55 cmt'd
w/450 cu. ft. 40%
UnCel 45 SA reg.

2 3/8" LUE 4.7" J-55 tbg w/2 jts 2 3/8" FS. tail Ld @ 7879

Simco Collar Stop @ 5774

Gibbsen Type A 2" x 5" Packer @ 7516
Setting nipple at 7848
Tail at 7879 w/4' perf'd and pin collar

Perf'd 4 hpf 7940-8000. Saturated w/100 SA reg.

Perf'd 4 hpf 8224-8193, 8182-8151 Acidized & Frac'd. KD

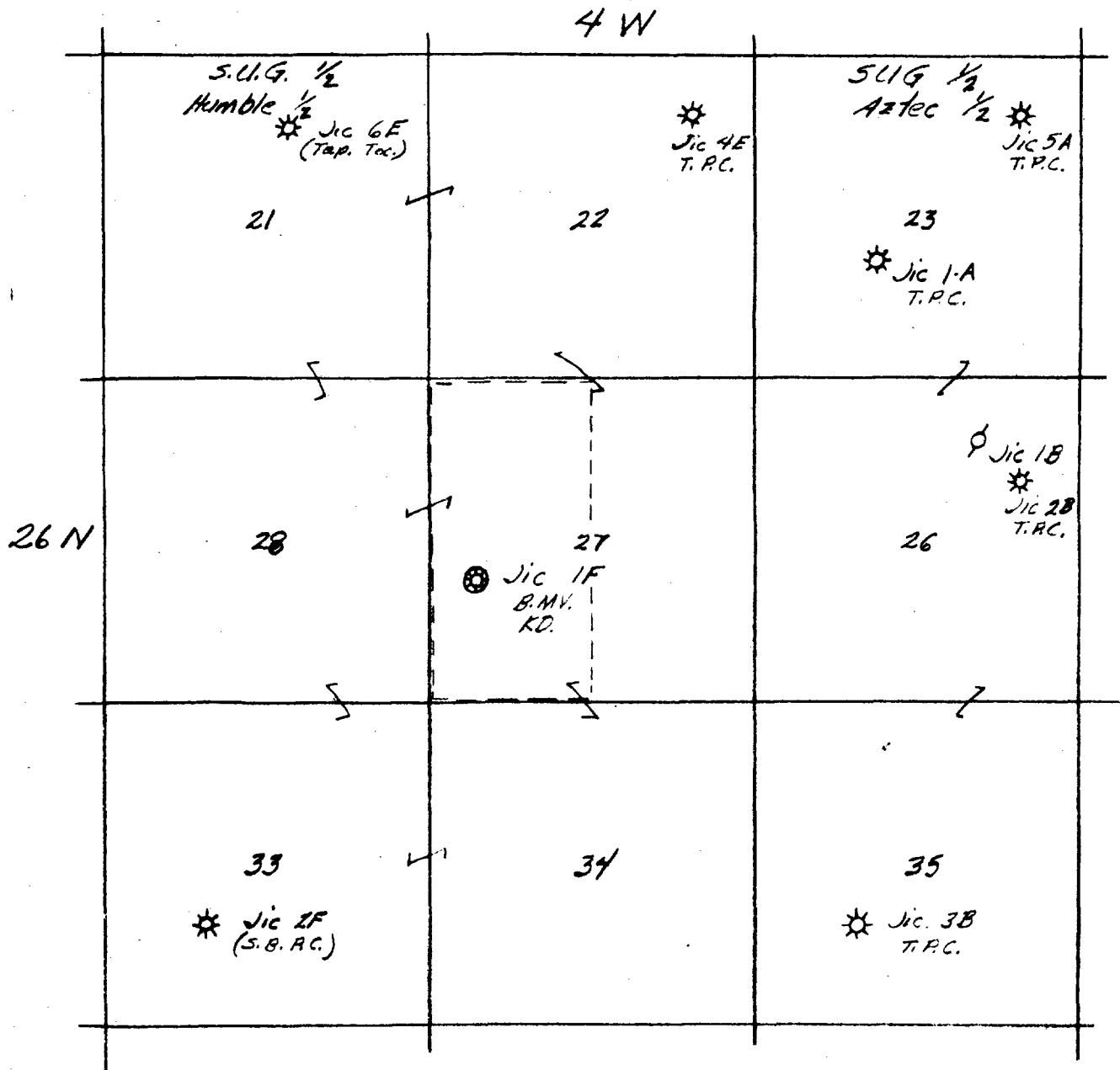
Perf'd 4 hpf 8325-8304, 8291-8285, 8276-8266. KD
Acidized & Frac'd.

8350

ILLEGIBLE

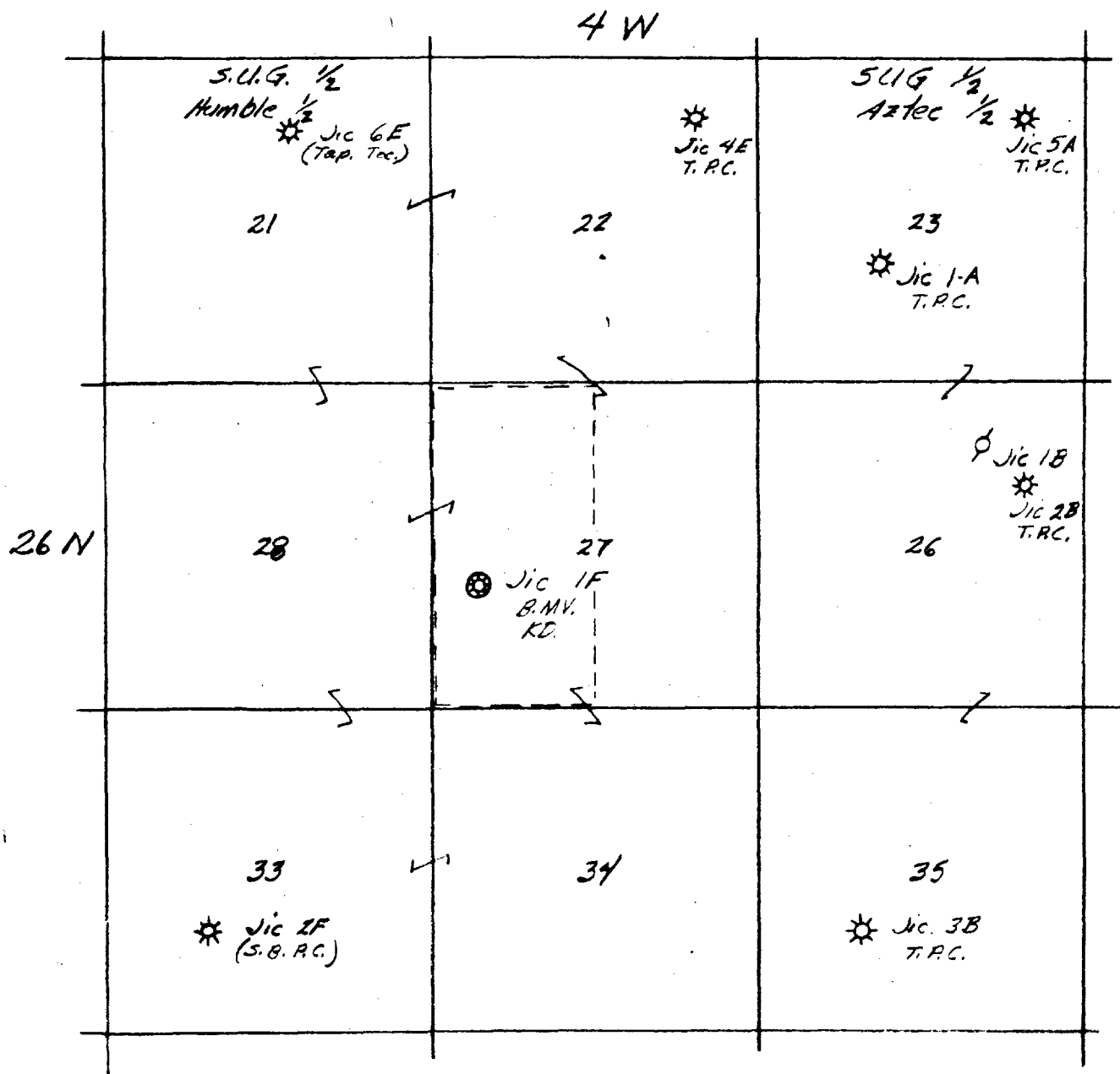
SOUTHERN UNION GAS COMPANY

APPLICATION FOR APPROVAL OF DUAL COMPLETION OF
S.U.G. CO. JICARILLA 1F
PLAT OF OFFSET LEASES



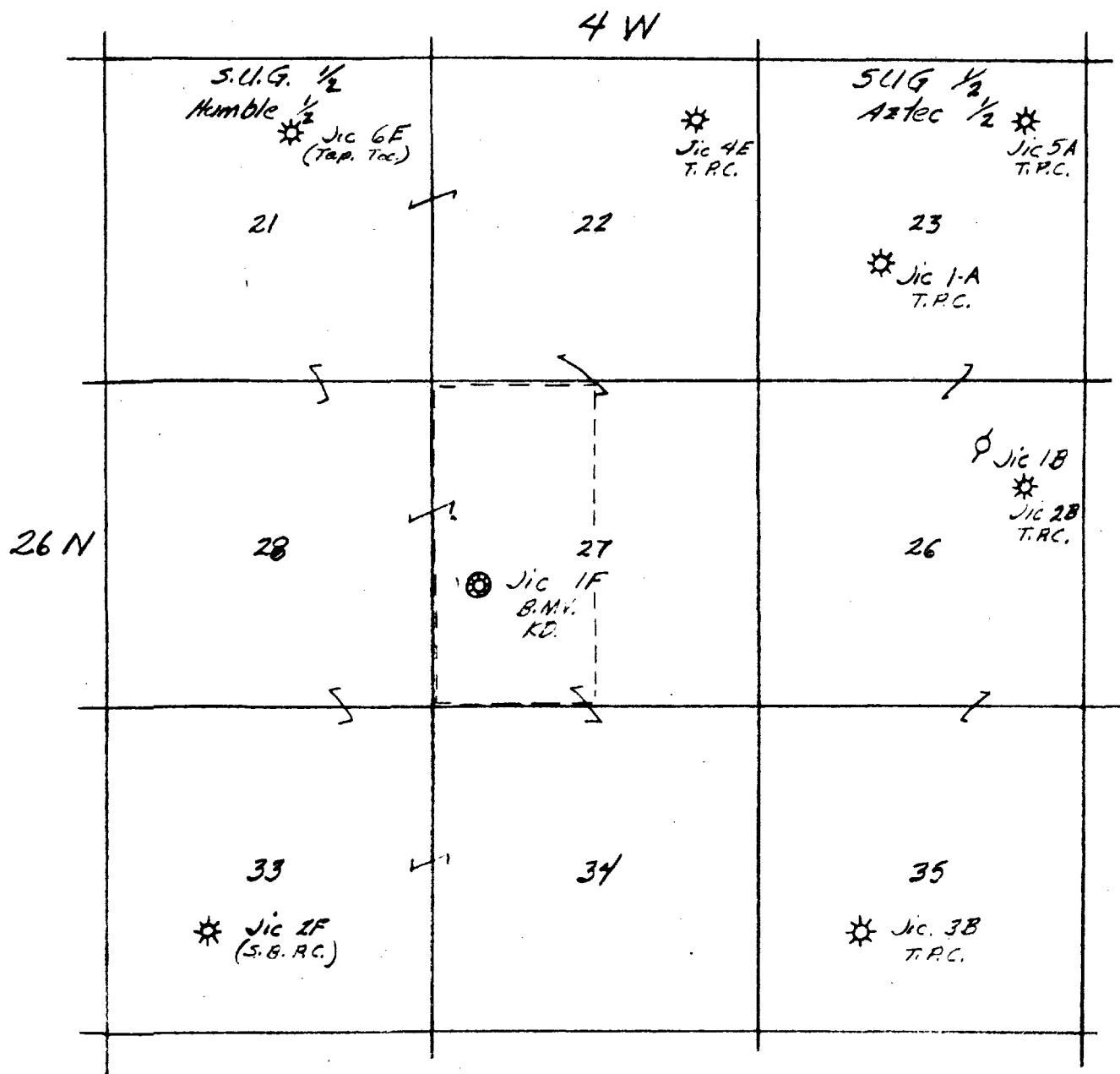
SOUTHERN UNION GAS COMPANY

APPLICATION FOR APPROVAL OF DUAL COMPLETION OF
S.U.G. CO. JICARILLA 1F
PLAT OF OFFSET LEASES



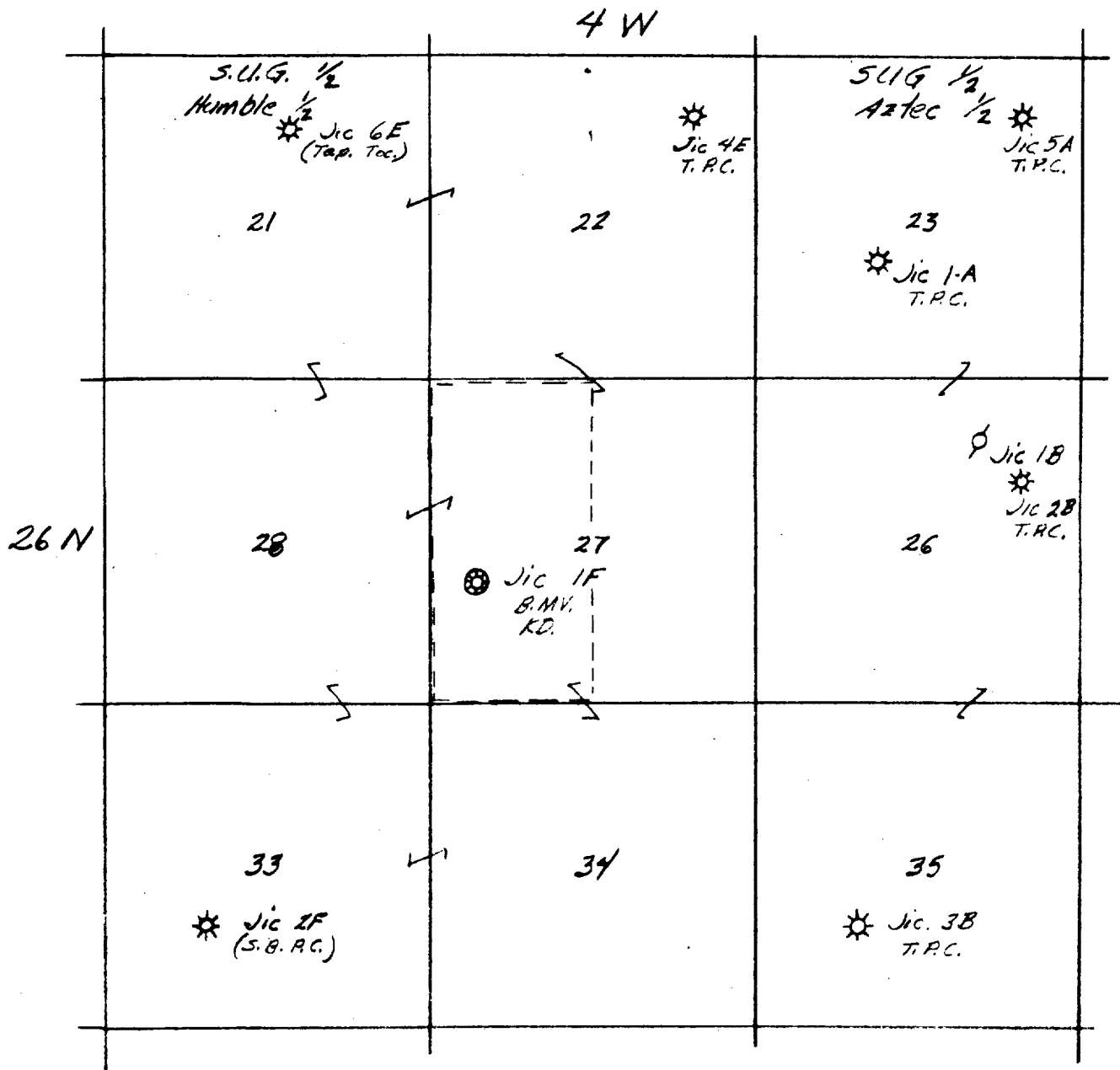
SOUTHERN UNION GAS COMPANY

APPLICATION FOR APPROVAL OF DUAL COMPLETION OF
S.U.G. CO. JICARILLA 1F
PLAT OF OFFSET LEASES



SOUTHERN UNION GAS COMPANY

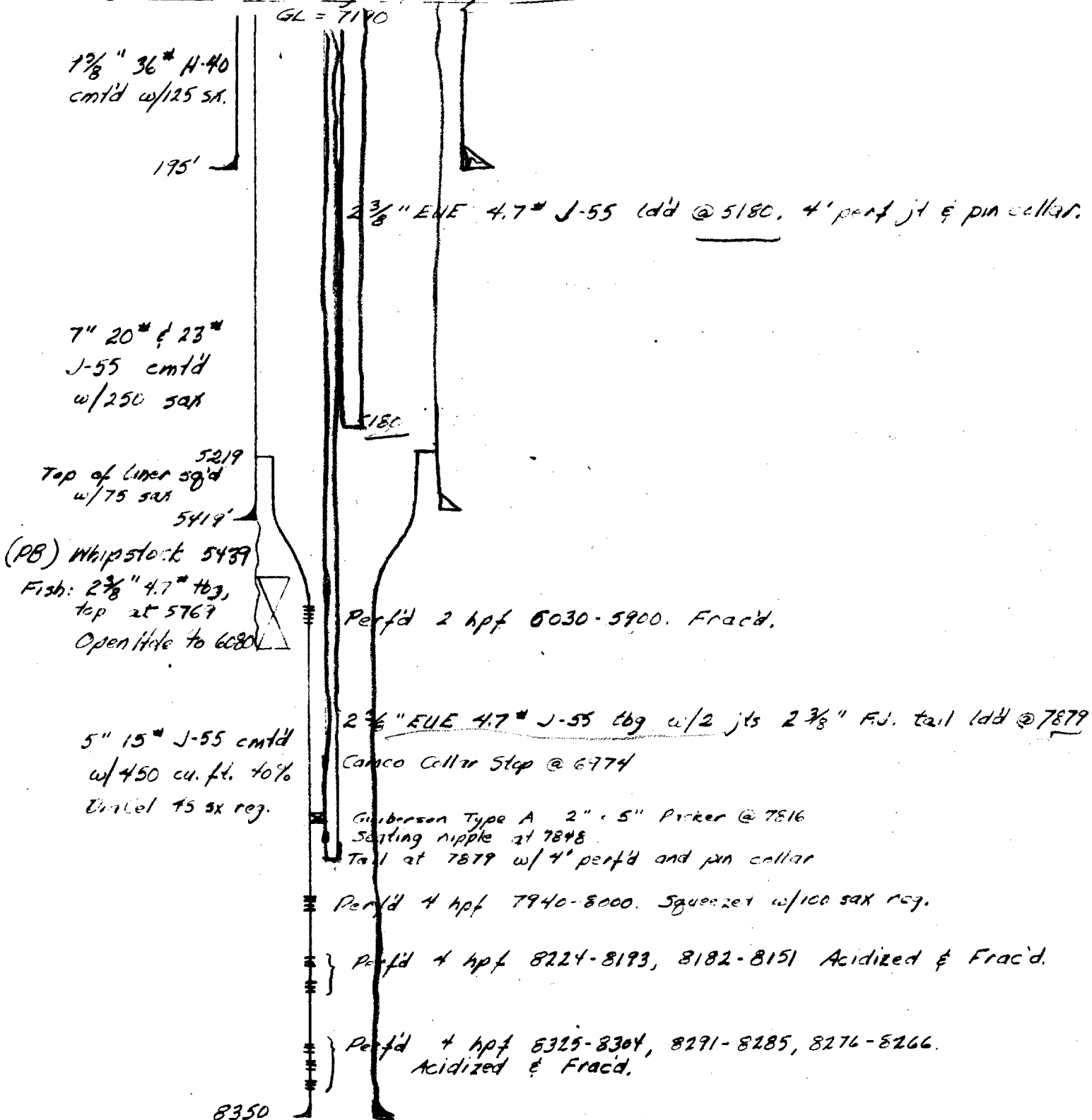
APPLICATION FOR APPROVAL OF DUAL COMPLETION OF
S.U.G. CO. JICARILLA 1F
PLAT OF OFFSET LEASES



SOUTHERN (INCA) GAS COMPANY

J-55 1-F

Sketch of Csg. & Tbg Details.



SOUTHERN UNION GAS COMPANY

San Antonio 1-F

Sketch of Csg. & Tbg. Details

GL = 7190

1 3/8" 36" H-40
cmt'd w/125 sax.

175'

7" 20" & 23"
J-55 cmt'd
w/250 sax

5219
Top of liner sq'd
w/75 sax

5419'

(PB) Whipstock 5439

Fish: 2 3/8" 4.7" tbg,
top at 5769

Open Hole to 6080

2 3/8" EUE 4.7" J-55 ldd @ 5180. 4' perf jt & pin collar.

5180

Perf'd 2 hpf 5030-5900. Frac'd.

5" 15" J-55 cmt'd
w/450 cu. ft. 40%
DraCel 75 sx reg.

2 3/8" EUE 4.7" J-55 tbg w/2 jts 2 3/8" F.J. tail ldd @ 7879

Camco Collar Stop @ 6774

Gilbreth Type A 2" x 5" Picker @ 7816

Seating nipple at 7848

Tail at 7879 w/4' perf'd and pin collar

Perf'd 4 hpf 7940-8000. Squeezet w/100 sax reg.

Perf'd 4 hpf 8224-8193, 8182-8151 Acidized & Frac'd.

Perf'd 4 hpf 8325-8304, 8291-8285, 8276-8266.
Acidized & Frac'd.

8350

SOUTHERN UNION GAS COMPANY

WILLIAMS I-F

Sketch of C-39 & T-69 Details

GL = 7190

1 7/8" 36" H-40
cmt'd w/125 sax.

195'

7" 20" & 23"
J-55 cmt'd
w/250 sax

5219
Top of liner seg'd
w/75 sax

5419'

(PB) Whipstock 5439

Fish: 2 3/8" 4.7" T-69,
top at 5769

Open hole to 6080

2 3/8" EUE 4.7" J-55 ldd @ 5180. 4' perf'd j & pin collar.

5180

Perf'd 2 hpf 6030-5900. Frac'd.

5" 15" J-55 cmt'd
w/450 cu. ft. 40%
Diacer 45 sx reg.

2 3/8" EUE 4.7" J-55 tbg w/2 jts 2 3/8" FJ. tail ldd @ 7879

Camco Collar Stop @ 6774

Gilbreth Type A 2" x 5" Picker @ 7816

Sealing nipple at 7848

Tail at 7879 w/4" perf'd and pin collar

Perf'd 4 hpf 7940-8000. Squeezed w/100 sax reg.

Perf'd 4 hpf 8224-8193, 8182-8151 Acidized & Frac'd.

Perf'd 4 hpf 8325-8304, 8291-8285, 8276-8266.
Acidized & Frac'd.

8350

SOUTHERN UNION GAS COMPANY

MEIGLE 1-F

Sketch of Csg. & Tool Details

GL = 7190

1 7/8" 36" H-40
cmt'd w/125 SA.

195'

7" 20" & 23"
J-55 cmt'd
w/250 SA

5219
Top of liner csg'd
w/75 SA

5419'

(PB) Whipstock 5439

Fish: 2 3/8" 4.7" TBG,
top at 5767

Open Hole to 6080

2 3/8" EUE 4.7" J-55 ldd @ 5180. 4' perf jt & pin collar.

5180

Perfd 2 hpf 6030-5900. Frac'd.

5" 15" J-55 cmt'd
w/450 cu. ft. 40%
DinCel 75 SA reg.

2 3/8" EUE 4.7" J-55 TBG w/2 jts 2 3/8" FJ. tail ldd @ 7879

Camco Collar Stop @ 6774

Gilbreth Type A 2" x 5" Picker @ 7816

Setting nipple at 7848

Tail at 7879 w/4' perf'd and pin collar

Perfd 4 hpf 7940-8000. Squeezet w/100 SA reg.

Perfd 4 hpf 8224-8193, 8182-8151 Acidized & Frac'd.

Perfd 4 hpf 8325-8304, 8291-8285, 8276-8266.
Acidized & Frac'd.

8350

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesaverde Formation Mesaverde County Rio Arriba
Initial _____ Annual _____ Special X Date of Test Jan. 21, 1960
Company Southern Union Gas Company Lease Jicarilla "F" Well No. 1-F
Unit L Sec. 27 Twp. 26N Rge. 4W Purchaser Southern Union Gas Company
Casing 5" Wt. 15# I.D. 4.408 Set at 8350 Perf. 6030 To 5900 (Mesaverde)
Tubing 2-3/8" Wt. 4.7 I.D. 1.995 Set at 5180 Perf. 5180 To 5176
Gas Pay: From 6030 To 5900 (MVD) xG 0.67 -GL _____ Bar.Press. 12.0
Producing Thru: Casing _____ Tubing X Type Well Gas-Oil Dual
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 1-10-60 Packer 7816 Reservoir Temp. _____

OBSERVED DATA

Tested Through (~~PACKER~~) (Choke) (~~VALVE~~) Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h_w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						<u>1177</u>		<u>1177</u>		<u>S.I. 7 days +</u>
1.		<u>3/8"</u>	<u>867</u>		<u>70</u>	<u>867</u>	<u>70</u>	<u>907</u>		<u>3 hrs.</u>
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	<u>3.0300</u>		<u>879</u>	<u>0.9905</u>	<u>0.9463</u>	<u>1.100</u>	<u>2.746 MCFPD</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio (0) cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
 F_c _____ $(1-e^{-s})$

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
 P_c 1189 P_c^2 1413.7
 P_w 919 P_w^2 844.6

No.	P_w P_t (psia)	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-s})$	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.						<u>844.6</u>	<u>569.1</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 5432 MCFPD MCFPD; n 0.75
COMPANY SOUTHERN UNION GAS COMPANY
ADDRESS P. O. Box 815 - Farmington, New Mexico
AGENT and TITLE Oran L. Haseltine, Production Supt.
WITNESSED G. L. Hoffman
COMPANY SOUTHERN UNION GAS COMPANY

REMARKS

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia

P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

F_t = Flowing temperature correction factor.

F_{pv} = Supercompressability factor.

n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Southern Union Gas Company Lease Jicarilla 77W Well No. 1
Location of Well: Unit L Sec. 27 Twp. 26N Rge. 4W County Sio Arriba

Name of Reservoir or Pool Type of Prod. Method of Prod. Prod. Medium
(Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.)

Upper Completion	<u>Blanco Mesaverte</u>	<u>Gas</u>	<u>Flow</u>	<u>Thc.</u>
Lower Completion	<u>Dakota (Wildcat)</u>	<u>Oil</u>	<u>Flow</u>	<u>Thc.</u>

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in <u>1-10-60</u>	Length of time shut-in <u>11 days</u>	SI press. psig <u>1177</u>	Stabilized? (Yes or No) <u>Yes</u>
Lower Compl	Hour, date Shut-in <u>9:00 AM 1-14-60</u>	Length of time shut-in <u>74 hours</u>	SI press. psig <u>1300</u>	Stabilized? (Yes or No) <u>Yes</u>

FLOW TEST NO. 1

Commenced at (hour, date)* <u>10:30 a.m. 1-17-60</u>					Zone producing (Upper or Lower): <u>Lower</u>
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
<u>10:30 a.m. 1-17-60</u>	<u>0</u>	<u>1172</u>	<u>1300</u>	<u>Ambient</u>	<u>Start of test</u>
<u>12:30 p.m.</u>	<u>2 hrs.</u>	<u>1173</u>	<u>40</u>	<u>80</u>	
<u>2:30 p.m.</u>	<u>4 hrs.</u>	<u>1175</u>	<u>40</u>	<u>80</u>	
<u>10:30 a.m. 1-18-60</u>	<u>24 hrs.</u>	<u>1176</u>	<u>40</u>	<u>80</u>	
<u>10:30 a.m. 1-19-60</u>	<u>48 hrs.</u>	<u>1176</u>	<u>40</u>	<u>80</u>	<u>End of test</u>

Production rate during test

Oil: 50 BOPD based on 100 Bbls. in 48 Hrs. 44 deg. Grav. GOR
Gas: MCFPD; Tested thru (Orifice or Meter):

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in <u>1-10-60</u>	Length of time shut-in <u>11 days</u>	SI press. psig <u>1177</u>	Stabilized? (Yes or No) <u>Yes</u>
Lower Compl	Hour, date Shut-in <u>10:30 a.m. 1-19-60</u>	Length of time shut-in <u>10:30 a.m. 1-21-60</u>	SI press. psig <u>45</u>	Stabilized? (Yes or No) <u>Yes</u>

FLOW TEST NO. 2

Commenced at (hour, date)** <u>10:30 a.m. 1-21-60</u>					Zone producing (Upper or Lower):
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
<u>10:30 a.m. 1-21-60</u>	<u>0</u>	<u>1177</u>	<u>1300</u>	<u>Ambient</u>	<u>Start of test</u>
<u>10:45 a.m.</u>	<u>0.25 hrs.</u>	<u>1020</u>	<u>-</u>		
<u>11:00 a.m.</u>	<u>0.5 hrs.</u>	<u>930</u>	<u>1300</u>		
<u>11:15 a.m.</u>	<u>0.75 hrs.</u>	<u>890</u>	<u>-</u>		
<u>11:30 a.m.</u>	<u>1.00 hrs.</u>	<u>890</u>	<u>1300</u>		
<u>12:30 a.m.</u>	<u>2.00 hrs.</u>	<u>868</u>	<u>1300</u>	<u>70</u>	
<u>1:30 a.m.</u>	<u>3.00 hrs.</u>	<u>866</u>	<u>1300</u>	<u>70</u>	
<u>2:30 a.m.</u>	<u>4.00 hrs.</u>	<u>867</u>	<u>1300</u>	<u>70</u>	<u>End of test</u>

Production rate during test

Oil: 2748 BOPD based on 2748 Bbls. in 48 Hrs. 44 deg. Grav. GOR
Gas: MCFPD; Tested thru (Orifice or Meter): Choke

REMARKS:

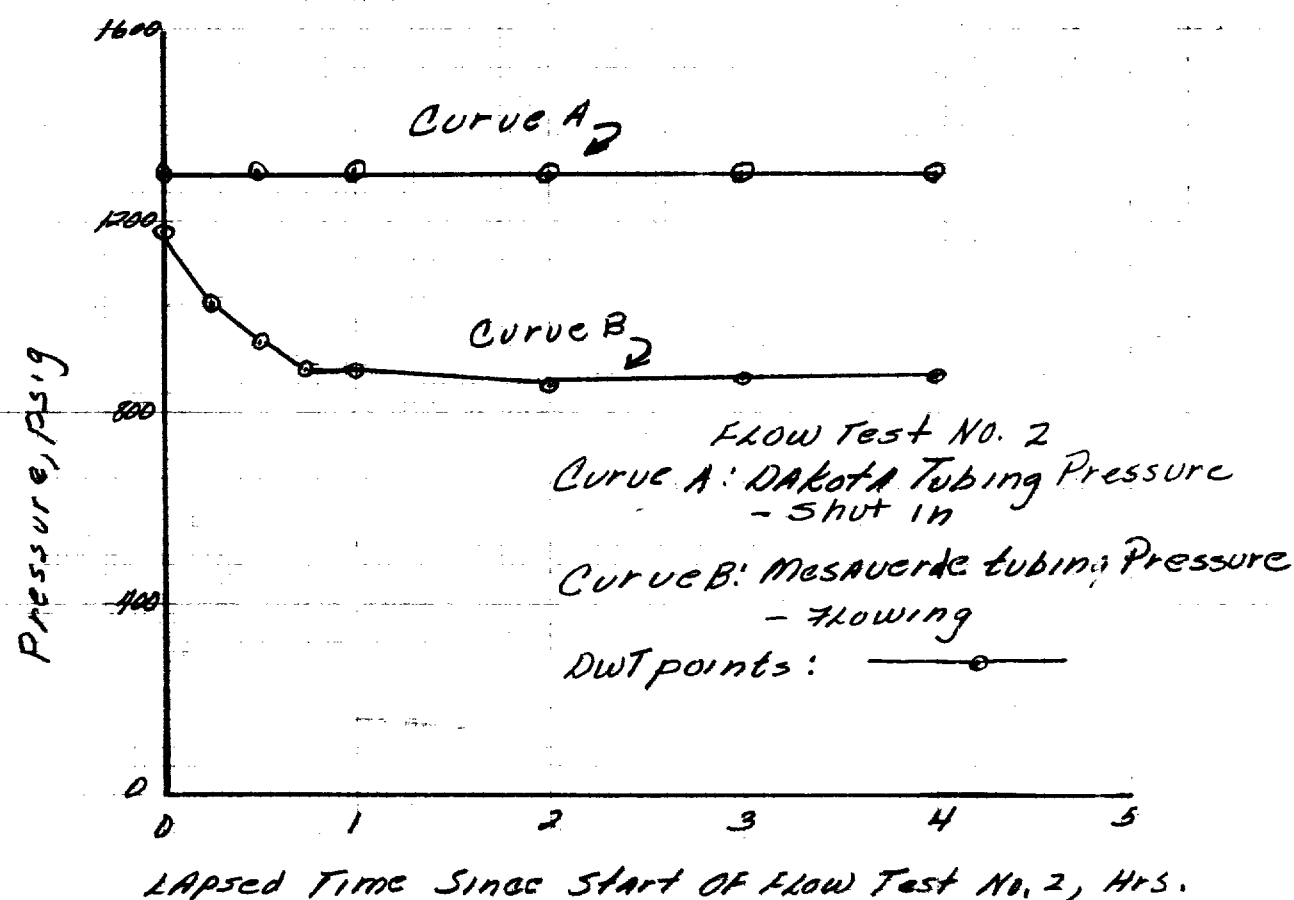
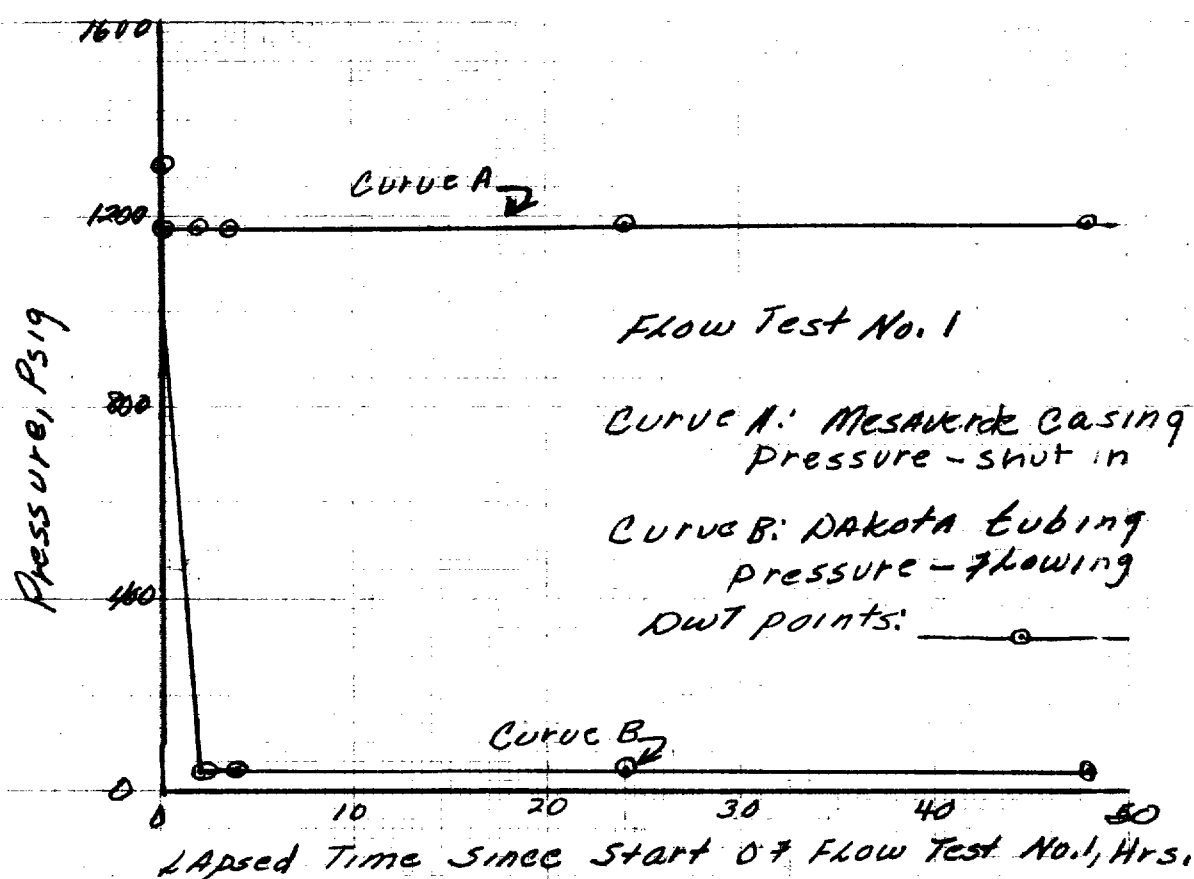
I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved: 2-1 19 60
New Mexico Oil Conservation Commission
By Harry S. Arnold
Title Supervisor Dist. #3

Operator SOUTHERN UNION GAS COMPANY
By Gran Marshall
Title Production Superintendent
Date 1-22-60

[illegible][illegible][illegible][illegible]

1. *Staphylococcus aureus* (10⁸ CFU/ml) was used as the test strain. The bacteria were grown in 10 ml of Tryptone Soya Broth (TSB) (Oxoid, CM111) at 37°C for 24 h. The bacterial suspension was then adjusted to a concentration of 10⁸ CFU/ml in 10 ml of TSB.



STATE OF NEW MEXICO)
COUNTY OF SAN JUAN)

I, A. T. Fry, being first duly sworn upon my oath depose and say as follows:

I am an employee of Guiberson Corporation, and that on December 13, 1959 I was called to the location of the Southern Union Gas Company's Jicarilla #1-F Well located in the NW/4 SW/4 of Section 27, Township 26N, Range 4W, N.M.P.M. for the purpose of installing a production packer. Under my direct supervision a Guiberson Model A production packer was set at 7816 feet. The production packer was properly set in accordance with the usual practices and customs of the industry.

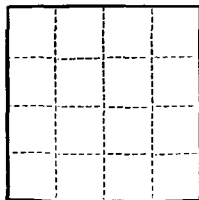
Guiberson Corporation

s/s A. T. Fry

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, the 13 day of December, 1959.

s/s Patrick J. Eldredge
Notary Public in and for San Juan
County, New Mexico

Oct. 15, 1960
My Commission Expires



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. Jicarilla Cont. #107
Unit NW 1/4 SW 1/4, Sec. 27, T-26N, R-4W, Rio Arriba
Cty., New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	☒
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 14, 1960

Well No. 1-F/ is located 1000 ft. from N line and 850 ft. from W line of sec. 27
Jicarilla
NW 1/4 SW 1/4 27 26N 4W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Blanco-Monasterio Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 7190 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

9. Ran temperature survey on Oct. 24, 1959 - Top of crt. @ 5750' R.B.
10. Ran Baker Model "K" 7" Magnesium Crt. ret. set @ 5075' R.B. Sq. top of 5" liner w/75 sq. ft. on Oct. 31, 1959. Standing sq. pressure 1200 psi
11. Cleaned out hole to P.B.T.D. 5331
12. Perf. 4 shots/ft. 8325-8304, 8291-8285, 8278-8266; Ran Baker pckr. acidized perfs w/1000 gal. 7 1/2% mud acid - Sand water frac perfs. w/58,968 gals. of water and 29,500# sand on Nov. 9, 1959.
13. Set Baker cast Iron Bridge Plug @ 8253 - Perf. 4 shots/ft. 8224-8193, 8182-8151 Acidized perf. w/1000 gals. of 7 1/2% mud acid - Sand water frac perfs. w/50,000# sand and 65,982 gals. of water on Nov. 17, 1959
14. Set cast iron Bridge Plug at 8010 - Perf. 4 shots/ft. 7940-8000'. Acidized perfs w/500 gals. 15% mud acid - on Nov. 20, 1959. Re-acidized perfs. w/2000 gals. 15% mud acid on Nov. 21, 1959 Sand water frac perf. 7940-8000' w/15000# sand & 28,098 gals. water on Nov. 22, 1959.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company SOUTHERN UNION GAS COMPANY

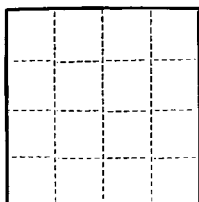
Address P. O. Box 815

Farmington, New Mexico

By Vernon J. Lowe

Title Drilling Superintendent

ILLEGIBLE



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. Jicarilla Cont. #107
Unit NW/4 SW/4, Sec. 27,
T-26N, R-4W, Rio Arriba
Cty, New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	XX
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 14, 1960

Jicarilla
Well No. 1-F/ is located 1600 ft. from N line and 850 ft. from W line of sec. 27
NW/4 SW/4 Sec. 27
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Blanco-Huaverde Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 7190 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

15. Clean hole out to Bridge Plug at 6010 - Re-acidized perf. 7940-8000' w/16,000 gals. acid on Nov. 25, 1959.
16. Ran Baker Model "K" Retainer set at 7700'. Sq. perf. from 7940-8000' w/100 sz. reg. cement - Standing squeeze pressure, 3600 psi.
17. Perforated Mesaverde formation 2 shots/ft. frm. 5900-6030 on Nov. 30, 1959 - Sand Water Frac. perf. w/90,000# sand & 60,480 gals. water.
18. Drilled bridge plugs and cleaned out to P.E.T.D. of 8131.
19. Ran 258 jts. 2-3/8", 4.7#, J-55 Tbg. to Dakota Formation on Dec. 13, 1959. Set Gullerson Type "A" Cast Iron permanent type production packer at 7816 - Bottom tubing at 7879 - R.K.B.
20. Ran 169 jts. 2" E.U.E. 4.7#, J-55 Tbg. to Mesaverde formation on Dec. 13, 1959. Tubing landed at 5198 R.K.B.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

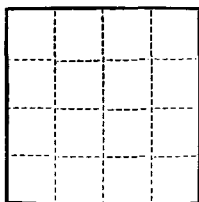
Company SOUTHERN UNION GAS COMPANY

Address P. O. Box 815

Farmington, New Mexico

By S/S Vernon J. Lowe

Title Drilling Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. Jicarilla Cont. #107
Unit NW/4 SW/4, Sec. 27, T-26N, R-4W, Rio Arriba
Cty., New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... XX
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 14, 1960

Well No. 1-6/ is located 1600 ft. from XXX line and 850 ft. from XXX line of sec. 27
Jicarilla
NW/4 SW/4 27 (1/4 Sec. and Sec. No.) 26N (Twp.) 4W (Range) N.M.P.M. (Meridian)
Blanco-Mesaville (Field) Rio Arriba (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 7190 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

1. Re-drilling operations commenced on Aug. 25, 1959.
2. Attempt to pull 2" tbg. - Tbg. bridged - Baked off 2" tbg. @ 5769'. Left 7 Jts. 120' in old shot hole.
3. Set Baker Model "K" 7" Magnesium Cement retainer @ 5336' on Aug. 30, 1959 - Sq. open shot hole from 5419 to 6000 w/285 sz cement w/2% gel.
4. Drld. model "K" 7" Baker ret. on Sept. 1, 1959 & cleaned out hole to T.D. of 5439' R.K.B.
5. Set 3 whipstock at 5439 on Sept. 2, 1959
6. Drld. 6 1/2" whipstock hole w/gas from 5439 to 6210
7. Mud drilled hole from 6210 to 6350 T.D.
8. Ran 97 Jts. 5", 15.0#, J-55 csg. as a liner on Oct. 23, 1959 - Cmt. w/450 Cuft. 40% Diacel Cmt. & 45 sz reg. cmt. w/2% gel - Bottom of liner set at 6350 R.K.B. Tip at 5219 R.K.B.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company SOUTHERN UNION GAS COMPANY

Address P. O. Box 815

Permington, New Mexico

By Vernon J. Lowe
Title Drilling Superintendent

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR Southern Union Gas Company POOL Dakota Wildcat
ADDRESS P. O. Box 815, Farmington, New Mex. MONTH OF January, 19 60
SCHEDULED TEST..... COMPLETION TEST X SPECIAL TEST..... (Check One)
(See Instructions on Reverse Side)

Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Daily Allowable Bbls.	Production During Test			GOR Cu. Ft. Per Bbl.
							Water Bbls.	Oil Bbls.	Gas MCF	
Jicarilla "F"	1	1-27-60	F	1"	24	-	20	84	109	1298

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 degrees F. Specific gravity base will be 0.60.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission. In accordance with Rule 301 and Appropriate Pool Rules.

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

Date January 28, 1960

SOUTHERN UNION GAS COMPANY
Company

By S/S Oran L. Haseltine
O. L. Haseltine
Production Superintendent
Title