

Janice
3/1/99

11,100'

LATITUDE 38-50-00

KELLY LEASE

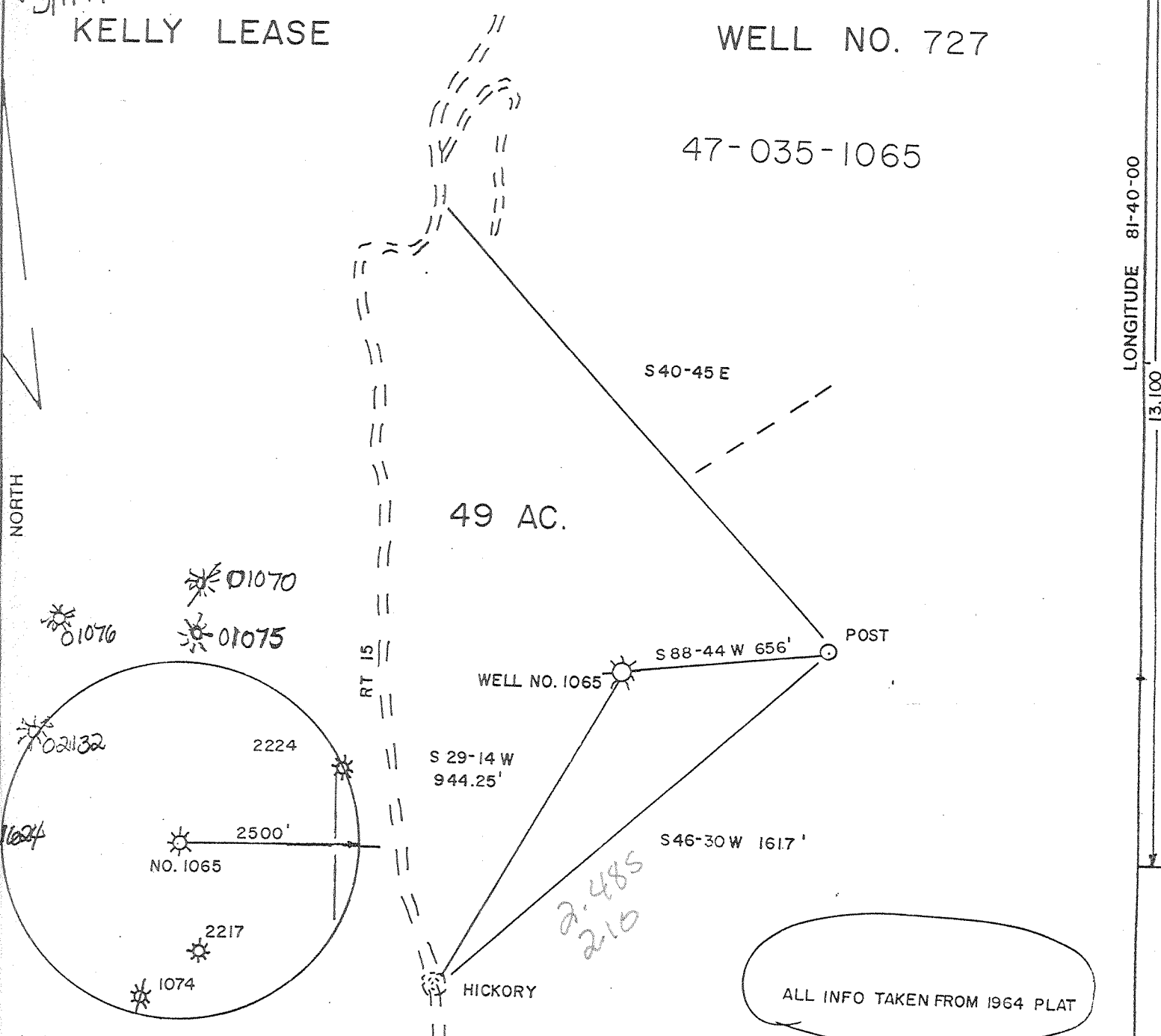
WELL NO. 727

47-035-1065

LONGITUDE 81-40-00

NORTH

49 AC.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1008'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
 (SIGNED) M. Allen Jordan

R.P.E. _____ I.L.S. 959

PLACE SEAL HERE

STATE OF WEST VIRGINIA

DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



DATE DEC 1, 19 98
 OPERATOR'S WELL NO. 727
 API WELL NO. 47-035-01065-W

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

LOCATION: ELEVATION 895' WATERSHED MILL CREEK
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE RIPLEY 7.5'

SURFACE OWNER ARCHIE KELLY et al from WVA Carol Curry Myers ACREAGE 49
 OIL & GAS ROYALTY OWNER ARCHIE KELLY et al LEASE ACREAGE 49
 LEASE NO. _____

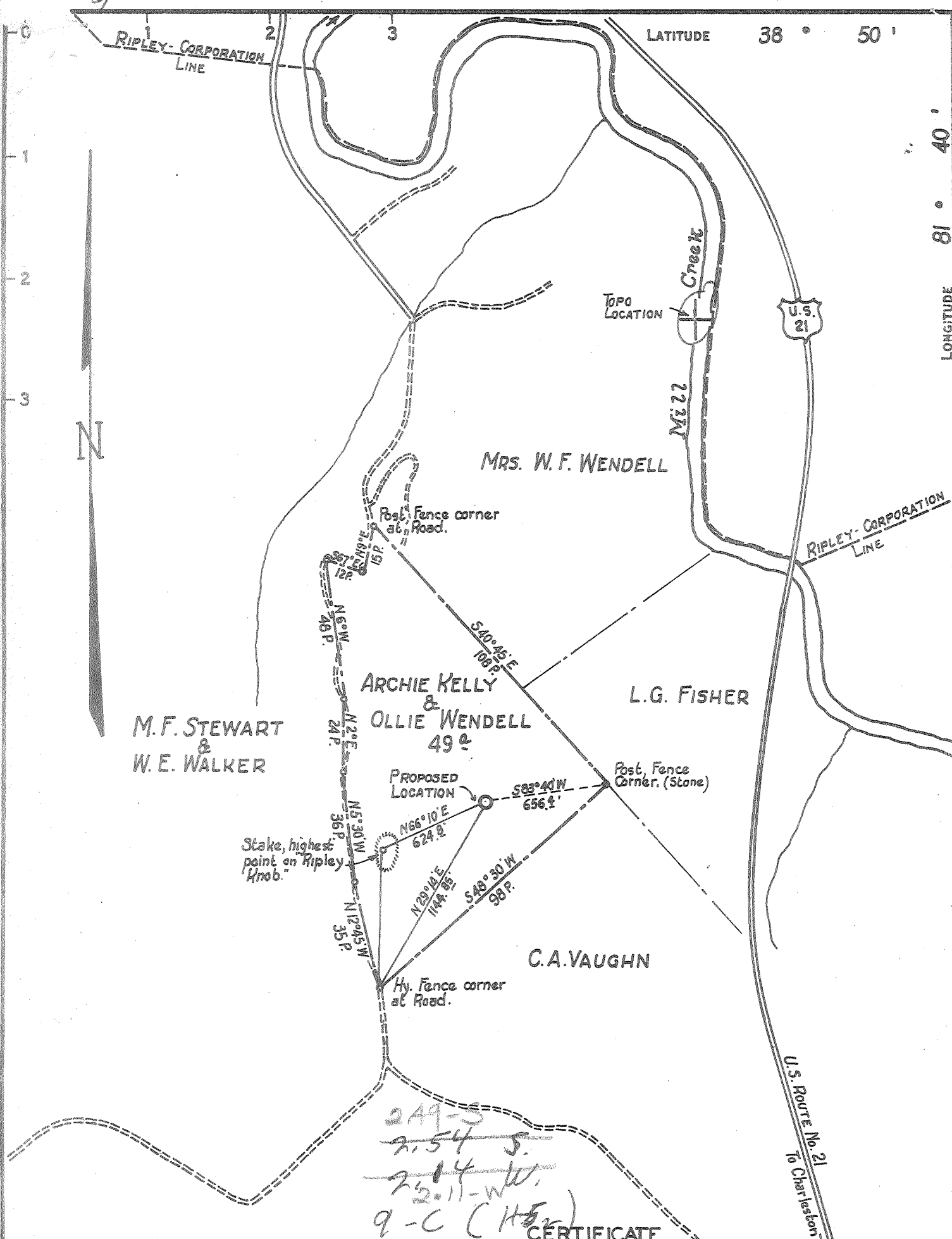
PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Set temporary plug squeeze 5 1/2 gal. shale 5' Comingle

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Devonian Shale ESTIMATED DEPTH 4300'

WELL OPERATOR MOUNTAINEER GAS SERVICES DESIGNATED AGENT DANNY CHANDLER
 ADDRESS P.O. BOX 1869 CHARLESTON, WV 25327 ADDRESS P.O. BOX 1869 CHARLESTON, WV 25327

COUNTY NAME JAC
 PERMIT 1065-W

Existing well drilled
 MAR 1904/1999



249-5
 2.54 S.
 2.14
 2.11-W.V.
 9-C (H52)

CERTIFICATE

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Minimum degree of accuracy is one part in 200

Signed

W. J. Smith
 SURVEYOR

SURVEY FEB. 24, 1964 - W.S.G. - N.B.#92 R. 12

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY	COMMONWEALTH GAS CORPORATION		
ADDRESS	P.O. BOX 1433 CHARLESTON, W.VA.		
FARM	ARCHIE KELLY ETAL		
MAP	OV 25	ACRES	49
LEASE NO.	2208-2208(0)		
WELL (FARM) NO.	1	SERIAL NO.	727
ELEVATION (SPIRIT LEVEL)	895.2		
QUADRANGLE	RIPLEY S.W. - S.W.		
COUNTY	JACKSON	DISTRICT	RIPLEY
POINT OF PROVEN ELEVATION	U.S.G.S. Datum - Temp. BM. Top of Ripley Knob. - See Ripley W.Va. 1:2400 Topo Quadrangle.		
FILE NO.	DRAWING NO.		
DATE	FEBRUARY 26, 1964		
SCALE	1" = 660'		

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. JAC-1065

† DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

No Samples 66 S (192) Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 12

Rotary
Spudder
Cable Tools
Storage

Quadrangle Ripley S.W.

WELL RECORD

Permit No. Jac. 1065

Oil or Gas Well Gas
(KIND)

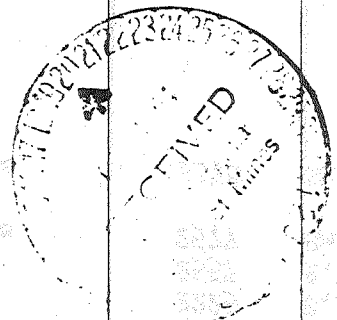
Company COMMONWEALTH GAS CORPORATION
Address P. O. Box 1433, Charleston, W. Va.
Farm Archie Kelly et al Acres 49
Location (waters) Mill Creek
Well No. 727 Elev. 895.9
District Ripley County Jackson
The surface of tract is owned in fee by Archie Kelly et al
Address Ripley, W. Va.
Mineral rights are owned by Archie Kelly et al and
Ollie Wendell Address Ripley, W. Va.
Drilling commenced March 24, 1964
Drilling completed July 29, 1964
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 158,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED July 27, 1964 28,000# sand - 791 Barrels water - 50,000 SCF nitrogen

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	32" 6"	32" 6"	
13	80 1/2"		
10	124 5/8"		Size of
8 1/4	2225'	2225'	
6 5/8			Depth set
5 3/16	5070'	5070' 1"	
3			Perf. top 5102
2	5108' 2"	5108' 2"	Perf. bottom 5108
Liners Used			Perf. top
4" Liner	148' 6"	148' 6"	Perf. bottom
set on bottom			

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
8 sacks behind 8" - 30 sacks behind 5-1/2"
15 sacks behind 4-1/2" liner
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
WELL FRACTURED July 27, 1964 28,000# sand - 791 Barrels water - 50,000 SCF nitrogen

RESULT AFTER TREATMENT 3,056,000 cu. ft.
ROCK PRESSURE AFTER TREATMENT 1720# 120 hours
Fresh Water 70 Feet 404 - 412 Salt Water 1805 - 13, 1842 - 52 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	30			
Blue Slate			30	40			
Red & Blue Slate			40	296	Water	70	1/2 bailer /hr.
Sand			296	335			
Slate			335	370			
Sand - 1 1/2" P.H. Sand?			370	460	Water	404-412	2 1/2 bailers /hr.
Slate			460	515			
Red Rock			515	535			
Slate & Shells			535	555			
Sand			555	582			
Slate & Shells			582	740			
Broken Sand			740	826			
Red Rock			826	890			
Sand			890	902			
Slate			902	947			
Sand			947	984			
Slate & Shells			984	1208			
Sand			1208	1226			
Pink Rock			1226	1235			
Slate & Shells			1235	1250			
Sand			1250	1332			
Slate & Shells			1332	1415			
Sand			1415	1445			
Slate Shells			1445	1475			
Sand			1475	1523			
Slate & Shells			1523	1550			
Sand			1550	1588			
Slate & Shells			1588	1796			
SALT SAND			1796	2010	Settling sand	1805-13	
					Water	1842-52	Hole full



Formation	Color	Hard or Soft	Top ¹²	Bottom	Oil, Gas or Water	Depth Found	Remarks
<u>BIG LIME</u>			2010	2066			
Slate			2066	2068			
<u>BIG INJUN SAND</u>			2068	2149			
Slate			2149	2160			
<u>SCUAW SAND</u>			2160	2195			
Slate & Shells			2195	2221			
Lime Shells			2221	2230		2225	S.L.M.
Slate			2230	2533		2557	S.L.M.
Brown Shale			2533	2557	Gas	2577	Small show
<u>BEREA SAND</u>			2557	2577			
Slate & Shells			2577	3783	Gas	3378	Show
<u>BROWN SHALE</u>			3783	3865			
Lime Shells			3865	3880			
Slate & Shells			3880	4035			
<u>BROWN SHALE</u>			4035	4120			
Slate			4120	4177			
<u>BROWN SHALE</u>			4177	4300			
Slate & Shells			4300	4694			
<u>BROWN SHALE</u>			4694	4808			
Slate & Shells			4808	4840			
Brown Shale			4840	4950			
<u>CORNIFEROUS LIME</u>			4950	5070			
<u>ORISKANY SAND</u>			5070	5075			
Shale Break			5075	5079			
<u>ORISKANY SAND</u>			5079	5107	Gas	5084-5087	158,000 cu. ft.
Lime			5107	5117	Gas	5097-5099	133,000 cu. ft.
Sand			5117	5132			
Grey Lime - Chert			5132	5140			
Grey Shale			5140	5148			
Grey Lime			5143	5148			
		TOTAL DEPTH		5148			

485

FINAL GAUGE: 3,056,000 cu. ft. after fracture

4950	5070	5107
896	896	896
<u>4054</u>	<u>4174</u>	<u>4211</u>

MEET RECORD

Date October 19, 1964

APPROVED COMMONWEALTH GAS CORPORATION, Owner

By W. A. Gravelly
M.R.S. (Title) Land & Eng. Dept.