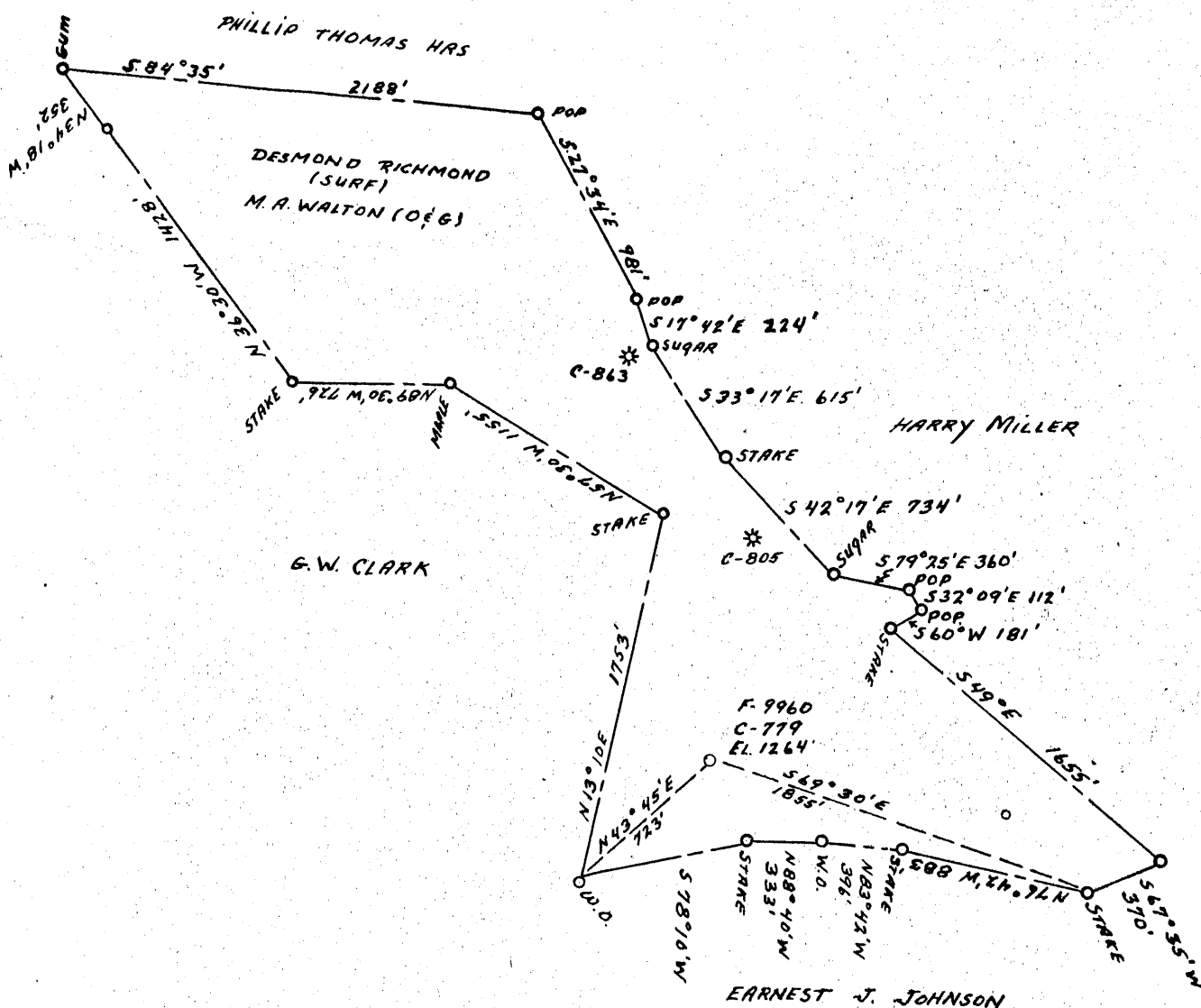


LATITUDE $39^{\circ} 0' 45''$

.12s
1.75w

0.225
1.94w

LONGITUDE $80^{\circ} 35'$



36287

COAL OWNED BY _____
 RECONITION FOR STORAGE
 NEW LOCATION.....
 DRILL DEEPER.....
 ABANDONMENT.....

COMPANY THE MANUFACTURER'S LIGHT & HEAT
 ADDRESS 800 UNION TRUST BLDG, PGH, PENNA.
 FARM M.A. WALTON
 TRACT _____ ACRES 140 LEASE No. E9827-48
 WELL (FARM) No. _____ SERIAL No. C 779
F-9960
 ELEVATION (SPIRIT LEVEL) 1334
 QUADRANGLE LITTLETON
 COUNTY MARSHALL DISTRICT LIBERTY
 ENGINEER Thomas E. Virgin - J.M.
 ENGINEER'S REGISTRATION No. 1503
 FILE No. _____ DRAWING No. Y-15-437
 DATE 3 Aug. 1956 SCALE 1" = 800'

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

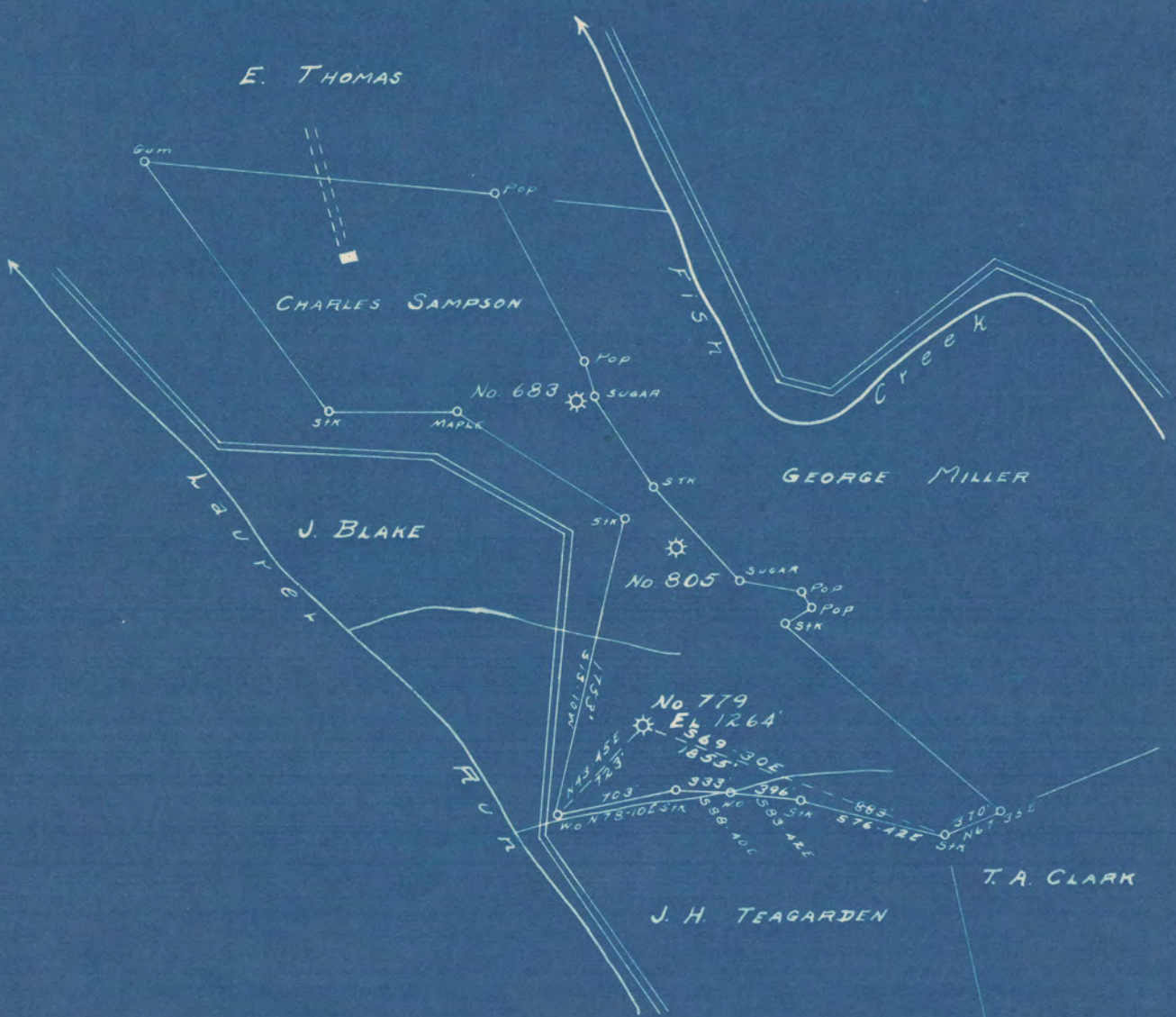
WELL LOCATION MAP
 FILE No. MARS-298-RedRILL

+ 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.

9-0 25

Latitude 39° 45'

Longitude 80° 35'



New Location
 Drill Deeper
 Abandonment

Company CARNEGIE NATURAL GAS
 Address PITTSBURGH, PA.
 Farm M. A. WALTON
 Tract _____ Acres 140 Lease No. E 982748
 Well (Farm) No. 4 Serial No. E 779
 Elevation (Spirit Level) 1264
 Quadrangle CAMERON SE, LITTLETON NE
 County MARSHALL District LIBERTY
 Engineer John O. Theobald
 Engineer's Registration No. 1850
 File No. _____ Drawing No. _____
 Date 1-3-49 Scale 1"=1000'

NC

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

WELL LOCATION MAP

FILE NO. MARS-287-A → 298 Prod.

- + 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.

6-6

(525)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle LITTLETON

Permit No. MARS-298-D W

WELL RECORD

Oil or Gas Well STORAGE GAS
(KIND)

Company The Mfrs. Lt. and Ht. Co.
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farm M. A. Walton Acres 140
Location (waters) _____
Well No. 4433 Elev. 1264'
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced July 21, 1962
Drilling completed August 9, 1962
Date Shot 8/9/62 From Maxton To Big Injun
With Pitot Tube

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10 3/4"	250'	250'	Size of
8 5/8"	1347'	1347'	
7"	1936'	1936'	Depth set
5 3/16			
4 1/2"	2275'	2275'	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

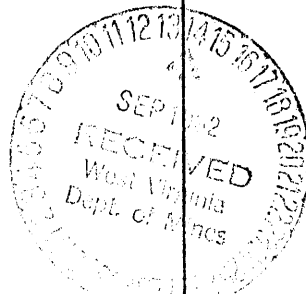
Open Flow 7.4 /10ths Water in _____ Inch
/10ths Merc. in 4 1/2 Inch
Volume 5,200,000 Cu. Ft.
Rock Pressure 715 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water _____ feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 922 FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh Coal		9	922	931			
Murphy Sand		9	1040	1049			
Big Dunkard		35	1460	1495			
1st Salt Sand		20	1600	1620			
2nd Salt Sand		27	1730	1757			
Maxton Sand		21	1935	1956			
Big Lime		37	2020	2057			
Big Injun Sand		247	2065	2312			
Total Depth				2288'			
4 1/2" Tubing set @			2275'				

2020
1264
-756

375





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Littleton

WELL RECORD

Storage

Permit No. MARS-298-R

Oil or Gas Well gas
(KIND)

Company THE MANUFACTURERS LIGHT AND HEAT COMPANY
Address 800 UNION TRUST BUILDING, PGH., PA.
Farm M. A. Walton Acres 140
Location (waters) _____
Well No. 4433 (F-9960) Elev. 1334'
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced Sept. 14, 1956
Drilling completed Oct. 25, 1956
Date Shot _____ From _____ To _____
With _____
Open Flow 50 /10ths Water in _____ 5/8 Inch
_____ /10ths Merc. in _____ Inch
Volume 21,653 Cu. Ft.
Rock Pressure 18 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			
10		250	Size of _____
8 1/4		1347	
6 5/8 7		1951	Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

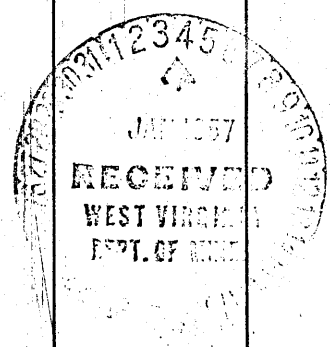
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 922 FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh coal			922	931			
Maxton sand			1935	1956			
Total depth				1955			
				325			
					All pipe measured over threads Cleaned out to depth of 2380'. Filled with stone to 2300' and set lead plug Cemented to 2025' and set lead plug. Cemented to 1955'. Run 250' of 10 3/4" csg. Sm. H40, 32# on a steel shoe set at 248'. Did not cement this pipe. Run 1347' of 8 5/8" Csg., Sm. J55.24# on a steel shoe set at 1337'. Cemented with 250 bags and got good return of cement at the surface. Run 1951' of 7" csg, Sm. J55. 20# on a steel shoe set at 1936'. Cemented with 200 bags of cement and 2 bags of aquagel. Good return of cement at the surface. Cleaned out to depth of 1955' and washed down the maxton sand with 50 gallons of acid.		





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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. 787-A WELL TO BE ABANDONED Oil or Gas Well GAS
(KIND)

Company CARNEGIE NATURAL GAS COMPANY
Address 1015 Frick Bldg., PITTSBURGH, PA.
Farm M. A. WALTON Acres 110
Location (waters) LAUREL RUN
Well No. 4-779 Elev. 1264
District LIBERTY County MARSHALL
The surface of tract is owned in fee by CHARLES SAMPSON
R.D. #5 Address CAMERON, W. VA.
Mineral rights are owned by SEE BELOW
Address _____
Drilling commenced 10-29-17 D.D. ---
Drilling completed 11-26-17 D.D. 10-11-29
Date Shot _____ From _____ To _____
With _____
Open Flow 12 /10ths Water in _____ Inch
8-1/4 /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure 610 lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 220 feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	217	217	Size of
8 1/2	1316	1316	
6 1/2	1948	1948	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 819 FEET _____ INCHES
917 FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Mapleton Coal			819	824	Water	220	
Pittsburgh Coal			917	922	Show of Gas and Water in Coal.		
Murphy Sand			1026	1048			
Little Dunkard			1260	1285	Show of Gas		
Big Dunkard			1372	1397			
Gas Sand			1470	1490			
2nd Gas Sand			1596	1614			
1st Salt Sand			1724	1754	Show of Gas	1726	
2nd Salt Sand			1876	1886	Show of Gas	1881	
Maxon Sand			1919		Gas	1935-1947	
TOTAL DEPTH - 11-26-17				1948			
Maxon Sand				1949			
Little Lime			2006	2016			
Pencil Cave			2016	2020			
Big Lime			2020	2080			
Big Injun			2080	2312	Gas	2085-2092	
Gants Sand			2148	2465			
Sand			2655	2670			
Red Rock			2750	2790			
50-Foot Sand			2853	2880	Show of Gas	2861	
Gordon Stray			2910	2920	Gas	2912-2916	
TOTAL DEPTH - 10-11-29				2993			

OWNERS of MINERAL RIGHTS:
Ernest H. Truex, 250 W. 24th Street, Erie, Pa.
Austie Carney, 104 Elm Avenue, Moundsville, W. Va.
Margie Walton et al.,
By Anna Walton Sinsel, Atty-in-Fact,
% Brightwater, Hendersonville, N. C.



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date JANUARY 10, 194 9

APPROVED CARNEGIE NATURAL GAS COMPANY, Owner

By *B. H. Archer*
(Title) Land Agent.

M. A. WALTON NO. 4 (779) WELL.

Liberty District, Marshall County, W. Va.

By Carnegie Natural Gas Co., 1015 Frick Bldg., Pittsburgh, Pa.

Abandoned under permit Mars-.....-A?

On 140 acres, on Laurel Run.

Elevation, 1264' L.

Surface owned by Charles Sampson, R. D. No. 5, Cameron, W. Va.,

and minerals by Ernest H. Truex, 250 W. 24th St., Erie, Pa.;

Austie Carney, 104 Elm Ave., Moundsville, W. Va.; and Margie

Walton et al., by Anna Walton Sinsel, Atty.in-Fact, ~~Brightwater~~,

Hendersonville, N. C.

Drilling commenced Oct. 29, 1917; completed (to 1948') Nov. 26, 1917.

Drilling deeper completed Oct. 11, 1929.

Open flow, 12/10ths Merc. in 8 1/2".

Rock pressure, 610 lbs.

Fresh water at 220'.

10" casing, 247'; 8 1/2", 1346'; 6 5/8", 1948'; all left in.

Coal was encountered at 819-824 and 917-922'.

Gas well. Record to Dept. of Mines dated January 10, 1949.

Record to RCT from Mrs. Griffith September 27, 1949. Old File No. 348.

	Top.	Bottom.
(water, 220')		
✓ Hapletown (Sewickley) Coal	819	824
✓ Pittsburgh Coal (show of gas and water in coal)	917	922
✓ Murphy Sand	1026	1048
✓ Little Dunkard Sand (show of gas)	1260	1285
✓ Big Dunkard Sand	1372	1397
✓ Gas Sand	1470	1490
✓ 2nd Gas Sand	1596	1614
✓ 1st Salt Sand (show of gas, 1726')	1724	1754
✓ 2nd Salt Sand (show of gas, 1881')	1876	1886
✓ Maxton Sand (gas, 1935-1947')	1919
Total depth		1948
DRILLED DEEPER:		
Maxton Sand	1949
✓ Little Lime	2006	2016
✓ Pencil Cove	2016	2020
✓ Big Lime	2020	2080
✓ Big Injun Sand (gas, 2085-2092')	2080	2312
✓ Gantz Sand (A) 4.7)	2448	2465
✓ Sand	2655	2670
Red rock	2750	2790
✓ 50-Foot Sand (show of gas, 2861')	2853	2880
✓ Gordon Stray Sand (gas, 2912-2916')	2910	2920
Total depth		2993

M. A. WALTON NO. 779 WELL.

Liberty District, Marshall County, W. Va.

By Carnegie Natural Gas Co.

Littleton NE Quadrangle.

On 140 acres; lease No. 9827.

Drilling commenced Oct. 29, 1917; completed, Nov. 27, 1917.

No elevation.

3,250,000 cu. ft. gas at 1935-47'; 610# R. P. (Maxton Sand).

Drilled deeper from 1919', Oct. 11, 1929.

134,000 cu. ft. gas at 2085-92' (Big Injun Sand).

304,000 cu. ft. gas at 2912-16'; 180# R. P.; (Gordon Sand).

Record from Wilcox 10-15-39.

298-R ?

	Top.	Bottom.
Hole full water at 220'		
Mapletown (Sewickley) Coal	819	- 824
Pittsburgh Coal (show gas; water)	917	- 922
Murphy Sand (MINSHALL)	1026	- 1048
Little Dunkard Sand (show gas)	1260	- 1285
Big Dunkard Sand	1372	- 1397
1st Gas Sand (show gas, 1516-21') (B.S.)	1470	- 1490
2nd Gas Sand (LOWER GAS)	1596	- 1614
1st Salt Sand (show gas, 1726')	1724	- 1754
Salt Sand (show gas, 1881')	1876	- 1886
Maxton Sand (3,250,000 cu. ft. gas at 1935-47'; 610# R. P.)	1919	- 1949
DRILLED DEEPER FROM 1919', 10-11-29: (1949')?		
Pencil Cave	2016	- 2020
Big Lime	2020	- 2080
Big Injun Sand (gas, 2085-92'; 134,000 cu. ft.)	2080	- 2312
Gantz Sand (WEIR)	2448	- 2465
Sand (BEREA)	2655	- 2670
Red rock	2750	- 2790
50' Sand (gas show, 2861') (30')	2853	- 2880
Gordon Stray Sand (gas, 2912-16', 304,000 cu. ft.; 180# R. P.) (GORDON)	2910	- 2920
Total depth	2920	

221

418

✓ 2993
next pg?

2920
1949
971