

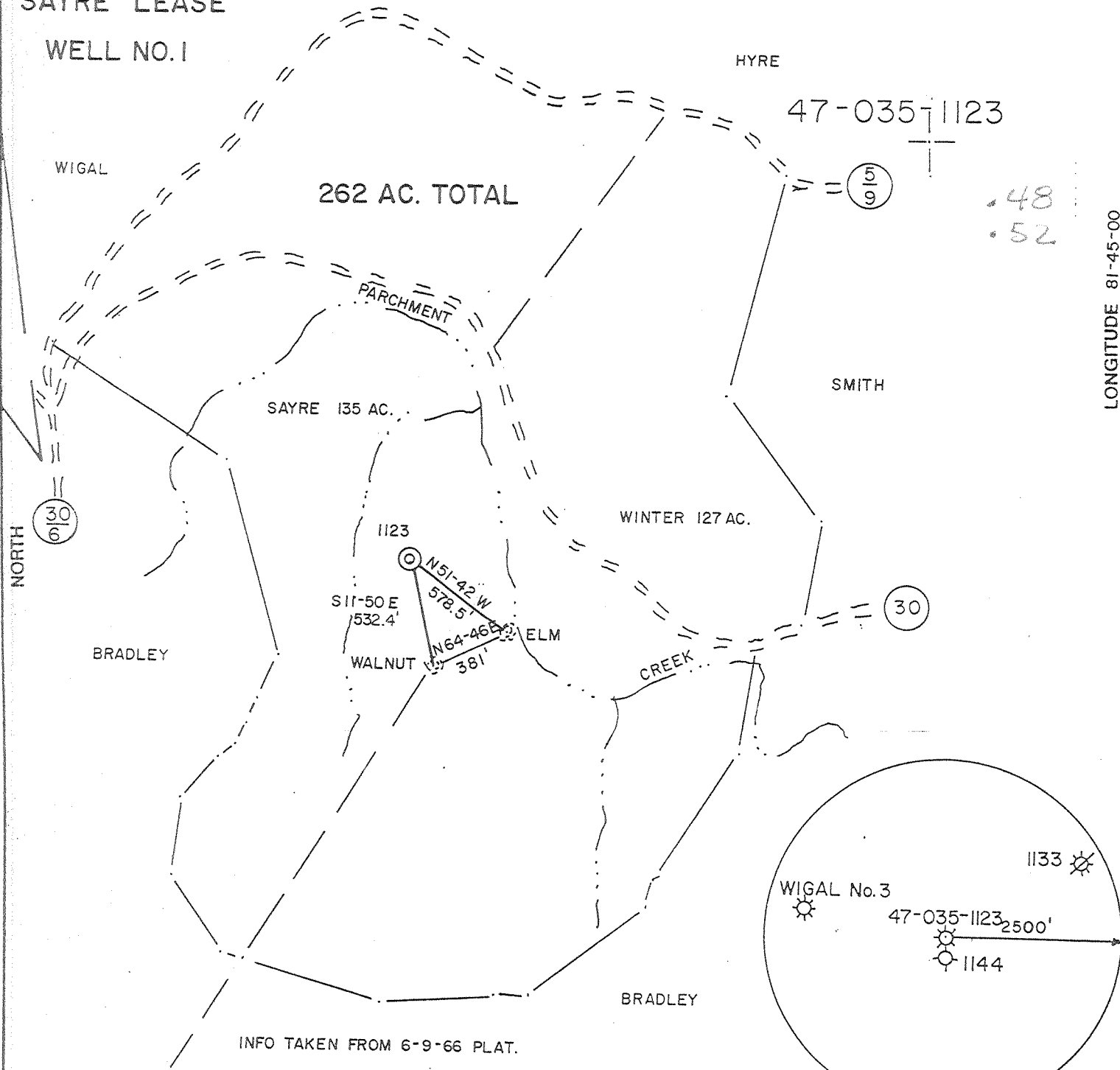
SAYRE LEASE

WELL NO. 1

LATITUDE 38-50-00

2750

LONGITUDE 81-45-00

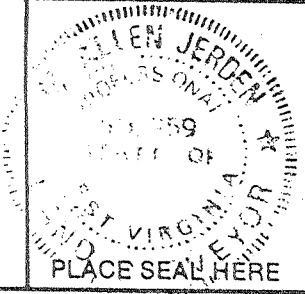


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 660'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM 605'

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



STATE OF WEST VIRGINIA

DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL and GAS



DATE OCTOBER 1, 19 98

OPERATOR'S WELL NO. NO. 1

API WELL NO. 47-035-1123

47-035-01123 F
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 713.7' WATERSHED PARCHMENT CREEK
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE COTTAGEVILLE 7.5'

SURFACE OWNER STEWART SAYRE et al ACREAGE 135 OF 262 AC UNIT
 OIL & GAS ROYALTY OWNER STEWART SAYRE et al LEASE ACREAGE 262 AC UNIT

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION _____ ESTIMATED DEPTH _____

WELL OPERATOR MOUNTAINEER GAS SERVICES DESIGNATED AGENT DANNY CHANDLER

ADDRESS PO BOX 1869 CHARLESTON, WV 25327 ADDRESS PO BOX 1869 CHARLESTON, WV 25327

COUNTY NAME

PERMIT

OCT 19 1998



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Ravenswood S.E.

Permit No. Jac. 1123

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Commonwealth Gas Corporation
Address P. O. Box 1433, Chas., W.Va. 25325
Farm Stewart Sayre et al Acres 262 (unit)

Location (waters) Parchment Creek
Well No. 748 Elev. 713.7
District Ripley County Jackson

The surface of tract is owned in fee by Stewart Sayre
Address Rt#2, Ripley, W.Va.

Mineral rights are owned by same & W. King Parsons, Ripley
& A. Watson Winter Address Rt#2, Ripley, W.Va.

Drilling commenced July 11, 1966
Drilling completed August 8, 1966

Date Shot _____ From _____ To _____
With _____

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch

Volume 284,000 (Natural) Cu. Ft.
Rock Pressure 2180 lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

WELL FRACTURED August 16, 1966 5505 to 5507

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13	73'	73'	--
10			Size of
8-5/8	2448	2448	Depth set
6-7/8	5552'-4"	5552'-4"	Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
157 sacks behind the 8-5/8" casing - 225 sacks behind the 4-1/2" casing.
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
WELL FRACTURED August 16, 1966 5505 to 5507 804 Bbls. water 26,000 lbs. sand

RESULT AFTER TREATMENT 6,782,000 cu. ft.
ROCK PRESSURE AFTER TREATMENT 2180
Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Blue Slate			0	40			
Red Rock			40	50			
Slate			50	90			
Red Rock			90	120			
Slate			120	250			
Red Rock			250	950			
Sand			950	1035			
Slate			1035	1165			
Sand Cow Run? or Big Dunder?			1165	1260	Oil	1225	Show
Slate			1260	1280			
Sand			1280	1315			
Slate & Shell			1315	1615			
SALT SAND			1615	1780			
BIG LIME			1780	1885			
INJUN SAND			1885	2025			
Slate & Shells			2025	2360			
Brown Shale			2360	2377			
BEREA SAND		Broken	2377	2390			
Slate & Shells			2390	4510			
BROWN SHALE			4510	4685			
CORNIFEROUS LIME - 463			4685	4800			
ORTSKANY SAND			4803	4815	Gas	4803-4812	Show
Lime - Heidelberg & Salina			4815	5500			
NEWBURG			5500	5516	Gas	5502-5509	535
Lime McKenzie			5516	5562			
Total Depth				5562			
				545			

