

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF MINES1,850' S 41° 05' 00"
11,050' W 78° 42' 30" (4)Oil and Gas Division
HARRISBURG

033-20327

LUTHERSBURG
QUADRANGLE: ~~Panfield~~☒ 7 1/2' ☒ 15'PERMIT NO. ~~CLE 327~~

MAP REFERENCE: 9S 17W S63 W117

KIND OF WELL: Gas
(Oil, Gas, Other)

WELL RECORD

		Size of Casing and Tubing	Used in Drilling	Left in Well	Packers: Type, Size and Depth
COMPANY: New York State Natural Gas Corporation					
ADDRESS: #2 Gateway Center, Pittsburgh 22, Pa.		13-3/8"	59'	59'	
FARM John R. Potter	ACRES 68	9-5/8"	1251'	1251'	BHS @ 1248'
WELL(FARM) NO. 2	CO. SERIAL NO. N-790	7"	7305'	7305'	BHS @ 7234'
ELEVATION: 1640.60	LEASE: 58357				
TOWNSHIP: Brady	COUNTY: Clearfield				
DRILLING COMMENCED: 8/31/60	DRILLING COMPLETED: 9/29/60				
PRODUCTION: 30,370,000 cubic feet					PERFORATIONS AT:
ROCK PRESSURE: 3293 psig 4 days. xxxx					
WELL TREATMENT: (Shooting, Acidizing, Fracturing Etc.)					
9/27/60 - Fractured w/20,500 gals. water, 1,000 gal. MCA, 150 lbs. gel and 20,000 lbs. sand. Breakdown pressure 2400 lbs.; maximum pressure 3800 lbs; minimum pressure, 2350 lbs.; final pressure 3800 lbs. Original open flow of 7,312,000 cubic feet increased to 30,370,000 cu. ft. a/f Rock pressure b/f 3318 lbs. in 11 days		CEMENTING DATA: (Size Pipe, Depth, No. Bags, Date)			
		8/31/60 - 13-3/8" cem. @ 70' w/50 sacks			
		9/4/60 - 9-5/8" cem @ 1248' w/50 sacks cem., 15 sacks aquagel, & 25 sacks quadroflos			
RESULTS AFTER TREATMENT:					
ROCK PRESSURE AFTER TREATMENT:		9/13/60 - 7" cem. @ 7234' w/125 sacks.			

REMARKS:

FORMATION.	TOP	BOTTOM	GAS AT	OIL AT	WATER AT (Fresh or Salt Water)	REMARKS
Surface	0	15				
Sand & shale	15	143			FW 75	
Red shale	143	146				
Sand & shale	146	205				
Coal	205	209				
Sand & shale	209	217				
Shale & sand	217	303				
Coal or black shale	303	306				
Shale & sand	306	320				
Shale	320	340				
Sand	340	550				
Shale & sand	550	580				
Sand	580	650				
Shale & sand	650	692				
Sand	692	733				
Red shale	733	735				

(Over)

Well N 790

FORMATION	TOP	BOTTOM	GAS AT	OIL AT	WATER AT (Fresh or Salt Water)	REMARKS
Sand & shale	735	1010				
Black shale	1010	1020				
Sand & shale	1020	2293				
Shale	2293	2295				
Shale & sand	2295	2601				
Sand & shale	2601	3415				
Shale & sand	3415	4015				
Sand & shale	4015	5025				
Shale & sand	5025	5475				
Sand & shale	5475	5680				
Shale & sand	5680	5857				
Sand & shale	5857	6030				
Lime & shale	6030	6137				
Lime	6137	6195				
Shale & shells	6195	6642				
Lime	6642	6750				
Shale & shells	6750	7219				
Onondaga lime	7219	7233				
Chert	7233	7288				
Sand	7288	7317	7291-7303			
Lime	7317					
Total Depth		7318				
Sample Study						
Tully	6642					
Onondaga	7219					
Chert	7233					
Oriskany	7288	7317	7291-7303			

RECEIVED
DEPT. OF MINES
& MINERAL IND.

NOV 29 AM 8:44

DATE October 28, 1960

APPROVED New York State Natural Gas Corporation

BY

R. B. Berger

TITLE

Superintendent of Operations

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF MINES AND MINERAL INDUSTRIES
OIL AND GAS DIVISION

EPA Permit# PAS2D020BLCE
DEP Permit# 37-033-27255-00-00

14,500' S 41° 07' 30"
550' W 78° 45' 00"
(3)

033-20341-P
Coal seams un-workable
~~Gas~~

DRANGLE: DuBois ☐ 7 1/2' ☒ 15'
Sec. 11

PERMIT NO. ~~Gas~~

MAP REFERENCE: 29.650' S/NL
550' W/EL

WELL RECORD

KIND OF WELL: Gas
(Oil, Gas, Other)

COMPANY: Falmont Oil Corporation	Size of Casing and Tubing	Used in Drilling	Left in Well	Packers: Type, Size and Depth
ADDRESS: P. O. Box 354, Bradford, Penna.	13 3/8"	228.22'	228.22'	
FARM Josephine Carlson, et al ACRES 48	8 5/8"	1312.00'	1312.00'	
WELL FARM NO. 1 CO. SERIAL NO. F-128 Sylvania #6972	5 1/2"	7370.22'	7370.22'	
ELEVATION: 1644' RT LEASE: FPal-9673				
TOWNSHIP: Brady COUNTY: Clearfield				
DRILLING DRILLING				
COMMENCED: 11/1/60 COMPLETED: 11/26/60				
PRODUCTION: 4,150,000 cu. ft.				PERFORATIONS AT:
ROCK PRESSURE: 2839 psig, 20 hrs.				
WELL TREATMENT: (Shooting, Acidizing, Fracturing Etc.)				
11/25/60 - Halliburton hydrafrac from 7299' - to 7365' with 11,900 gal. frac fluid; propping agent 9,000# 20-40 sand, 3,500# 10-30 sand; 1,000 gal. MCA acid; 500# WG-4 gel agent; 200# CW-1 breaker agent; 30 gals. Flowco ds; 3,500# sand; Max. pressure: 4500#.				CEMENTING DATA: (Size Pipe, Depth, No. Bags, Dole)
				11/6 - Set 13 3/8" drive pipe @ 230' with 175 sacks of Regular cement.
				11/9 - Set 8 5/8" casing @ 1320' with 375 sacks of Regular cement.
				11/18 - Set 5 1/2" casing @ 7299' with 125 sacks of Regular cement and 40 sacks of Aquagel.
RESULTS AFTER TREATMENT: 15,000,000 cu. ft.				
ROCK PRESSURE AFTER TREATMENT: 2810# - 72 hrs.				

REMARKS: Gas Tested At:

7355' - 2,500,000 cu. ft.
7360' - 3,200,000 cu. ft.
7365' - 4,150,000 cu. ft.

FORMATION	TOP	BOTTOM	GAS AT	OIL AT	WATER AT (Fresh or Salt Water)	REMARKS
Clay	0	40				
Shale	40	107			107' (fresh)	
Sandy Shale	107	186				
Coal	186	188				
Shale	188	243			200' (fresh)	Set 13 3/8" @ 230'
Sand - Water Sand	243	248				
Sand & Shale	248	268				
Sand	268	280			275' (fresh)	
Shale	280	304				
Sand	304	308				
Shale	308	329				
Coal	329	331				

(OVER)

023-20341-P

EPA Permit# PAS2D020BLCE
DEP Permit# 37-033-27255-00-00

FORMATION	TOP	BOTTOM	GAS AT	OIL AT	WATER AT (Fresh or Salt Water)	REMARKS
ale	331	417				
oal	417	419				
Sand	419	423				
Sand & Shale	423	471				
Shale	471	485				
Sand & Shale	485	505				
Shale	505	515				
Sand	515	520				
Sand & Shale	520	524				
Sand	524	554				
Sand & Shale	554	561				
Sand	561	630				
Sand & Shale	630	675				
Sand	675	735				
Sandy Shale	735	760				
Sand	760	804				
Little Red	804	810				
Sandy Shale	810	890				
Sand & Shale	890	945				
Shale	945	965				
Sand w/little shale	965	1020				
Sandy Shale	1020	1025				
Sand	1025	1050				
Sand streak red rock	1050	1055				
Sand	1055	1060				
Sandy shale	1060	1075				
Sand	1075	1090				
Shale	1090	1100				
Sand	1100	1125				
Shale	1125	1130				
Sandy Shale	1130	1150				
Shale	1150	1155				
Sandy shale	1155	1165				
Sand	1165	1180				
Sandy Shale	1180	1225				
Sand	1225	1260				
Sand & Shale	1260	1280				
Sand	1280	1290				
Shale	1290	1300				
Sandy Shale	1300	1320				Set 8 5/8" @ 1320'
Sandy Shale	1320	1710				
Shale	1710	1780				
Red rock & Shale	1780	1790				
Sandy Shale	1790	1830				
Sandy red rock	1830	1835				
Sandy Shale	1835	1848				
Red rock	1848	1854				
Sandy shale	1854	2550				
Sand	2550	2640				
Sandy Shale	2640	2710				
Sand	2710	2820				
Sandy Shale	2820	2900				
Shale	2900	3040				

Date January 12, 19 61APPROVED FELMONT OIL CORPORATION, OwnerBy [Signature] (Title) Vice President