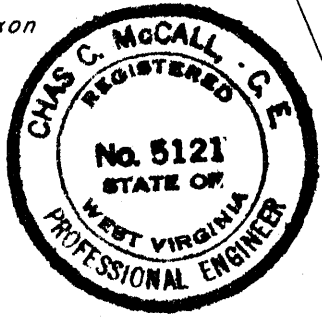
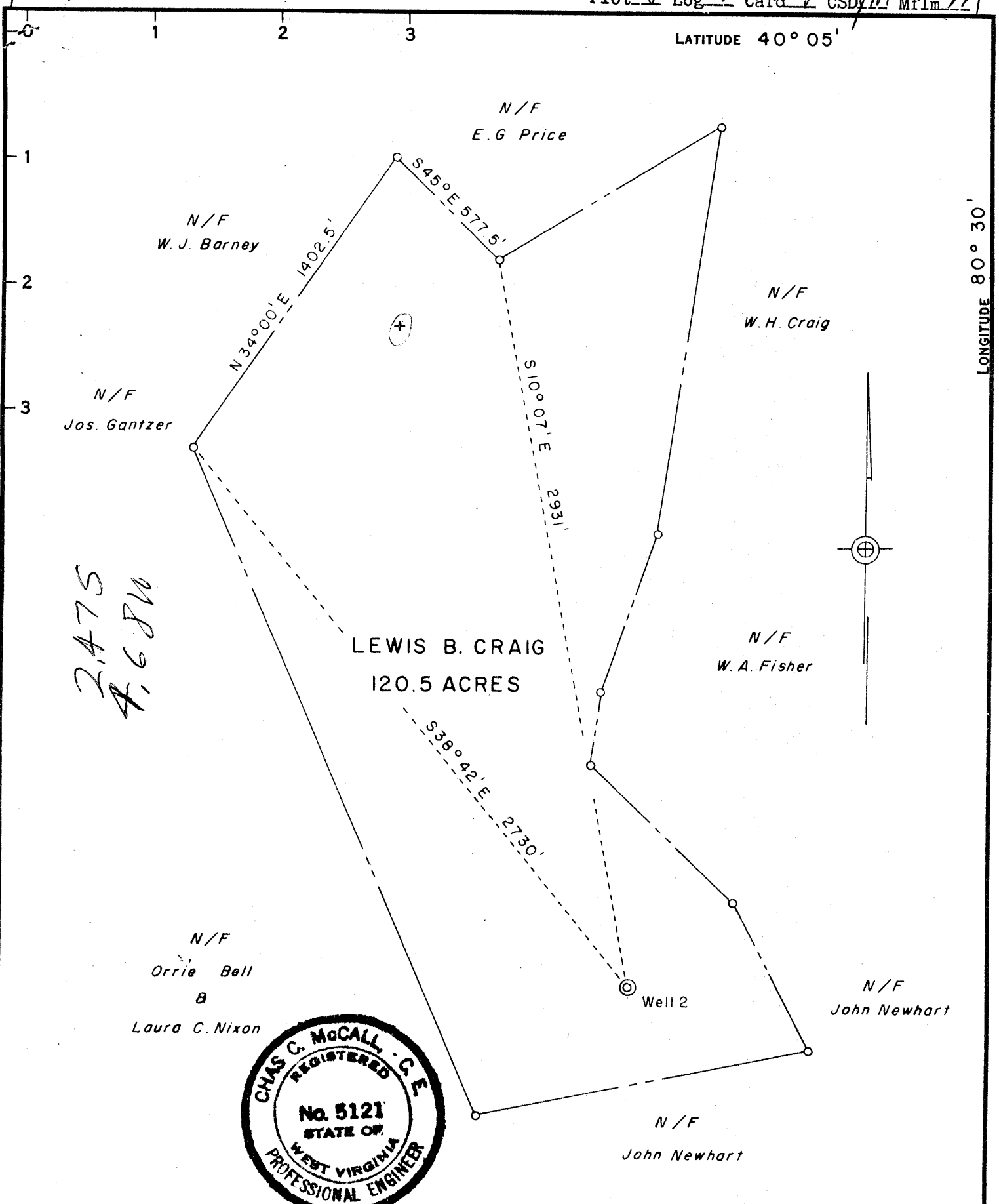


LATITUDE 40° 05'

LONGITUDE 80° 30'



NOTE •
 Revised location #2 well at request of
 Valley Camp Coal Company April 1, 1968
 COAL OWNED BY The Valley Camp Coal Company

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

"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 3000'

Signed *Chas. C. McCall* No. 5121
 W. Va.

COMPANY MICOA INC.
 ADDRESS WESTON, W. VIRGINIA
 FARM LEWIS B. CRAIG
 MAP ACRES 120.5 LEASE NO. _____
 WELL (FARM) NO. 2 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 1304.0'
 QUADRANGLE WHEELING, W. VA. - O. - PA. SE
 COUNTY OHIO DISTRICT TRIADELPHIA
 POINT OF PROVEN ELEVATION B.M. 489-1308.92' on Inter. 70

FILE NO Bk. 63 - Pg. 152 DRAWING NO. W-152
 DATE April 3, 1968 SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE No. OHIO-16-REV.

+ 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 SECTION



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Whelling
Permit No. OHIO 16

WELL RECORD

Oil or Gas Well Gas
(KIND)

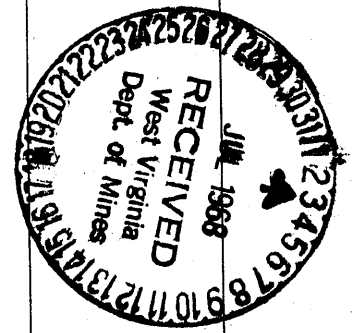
Company Micoa, Inc.
Address Box 105, Weston, West Virginia
Farm Lewis B. Craig Acres 120.5
Location (waters) _____
Well No. # 2 Elev. 1314.4
District Triadelphia County Ohio
The surface of tract is owned in fee by Lewis B. Craig
Address Triadelphia, W. Va
Mineral rights are owned by Same
Address _____
Drilling commenced April 5, 1968
Drilling completed May 26, 1968
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume Show _____ Cu. Ft.
Rock Pressure No test _____ lbs. _____ hrs.
Oil None _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	21	Pulled	Size of
10	94	Pulled	
8 1/4	683	Cemented	Depth set
6 5/8	1637	Pulled	
5 3/16			Perf. top
4 1/2	2459	Cemented	Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

WELL FRACTURED (DETAILS) Yes

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1,030 MCF
ROCK PRESSURE AFTER TREATMENT 645 HOURS 12
Fresh Water 47- 102-1625 Feet Salt Water _____ Feet
Producing Sand Berea, Injun Depth 2396, 1862

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	56	Water	47	
Shale			56	102			
Sand			102	114	Water	102	
Shale			114=	165			
Lime			165	175			
Shale & Lime			175	530			
Lime			530	570			
Shale			570	606			
Lime			606	652			
Shale			652	657			
Slate & Coal			657	663			
Shale			663	670			
Lime			670	677			
Slate & Shells			677	705			
Sand			705	723			
Slate & Shells			723	735			
Red Rock			735	742			
Slate & Shells			742	940			
Red Rock & Shale			940	975			
Lime			975	981			
Shale			981	991			
Red Rock			991	1018			
Sand & Slate			1018	1048			
Shale			1048	1114			
Slate & Lime			1114	1140			
Red Rock & Shale			1140	1145			
Sand			1145=	1191	Gas	1160	
Slate & Shells			1191	1205			
Lime			1205	1227			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Lime			1227	1275			
Sand			1275	1356			
Slate			1356	1359		1710	
Sand			1359	1370		1304	
Slate			1370	1388		<u>406</u>	
Slate & Shells			1388	1413			
Slate, Sandy			1413	1450			
Slate & Shells			1450	1470			
Sand			1470	1538			
Slate & Shells			1538	1565			
Sand			1565	1697	Water	1625	
Slate			1697	1700			
Sand			1700	1706			
Slate			1706	1710			
<u>Lime (Big)</u>			1710	1801			
<u>Sand</u>			1801	1870	Gas	1801	NPD
Slate, Sandy			1870	1899			
<u>Sand</u>			1899	2062			
Slate			2062	2112			
Slate & Shells			2112	2165			
Slate & Sand			2165	2216			
Slate & Shells			2216	2295			
Slate			2295	2330			
Sand			2330	2360			
<u>Slate & Shells</u>			2360	2400	P. I. Berea	2390-2414	NPD
<u>Sand</u>			2400	2420			
Slate & Shells			2420	2435			
Sand			2435	2448			
Slate & Shells			2448	2500			
Slate & Red Rock			2500	2560			
Slate			2560	2617			
Red Rock & Slate			2617	2670			
Slate & Shells			2670	2732			
Sand & Slate			2732	2749			
Slate			2749	2771			
Slate, Sandy			2771	2840			
			TD	2840			
<p>May 26, 1968 Well was logged by Allegheny Nuclear Surveys. Gamma-Neutron-Density-Caliper-Temp.</p> <p>May 28, 1968 4 1/2" casing was run to 2459' and cemented with 100 sks. pozmix and 10 sks. gel. Lawson cementing Co,</p> <p>June 8, 1968 Well was perforated by Allegheny Nuclear Surveys.</p> <p>2396 to 2398 10holes 1860 to 1862 8holes 1802 to 1803 4holes</p> <p>BEREA 460 bbls. Treated water. 300 gals. Acid 24,000 Sand. Ave. Pressure 3200</p> <p>INJUN 800 bbls. Treated water. 1000 gals. Acid. 20,000 Sand Ave. Pressure 2900</p>							
					Proj. depth revised from Murphy to Fifth Sand		
						2390 1304 1086	
					2840 891 <u>1949</u>		2650 2062 1086

Date July 2, 1968
 APPROVED Mitros Inc. Owner
 By Jerry Masana Supt (Title)

Bugs-Johnston-Withrow, Beckley