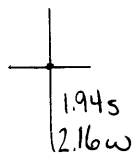


Latitude

Longitude



Topo Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

Company Micoa Inc

Farm Lewis B Craig #3

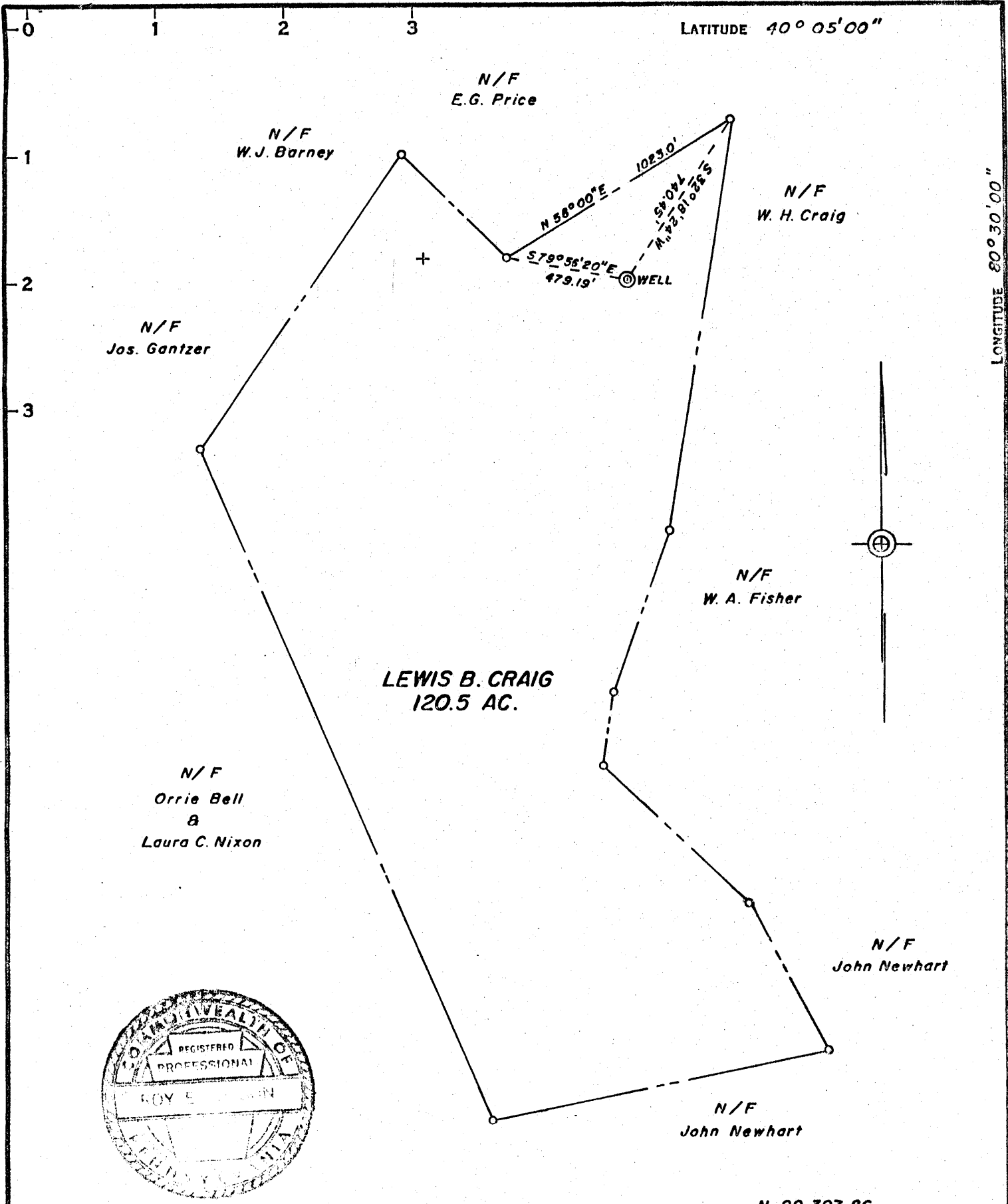
15' Quad _____
(sec.)

7.5' Quad Valley Grove

District Triadelphia

WELL LOCATION PLAT

County 069 Permit 19



LEWIS B. CRAIG
120.5 AC.

WELL = N-99,397.86
E-117,236.31

Revised - 1-20-69 Lat. & Long.
change to 15' Quad. Sh.

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'

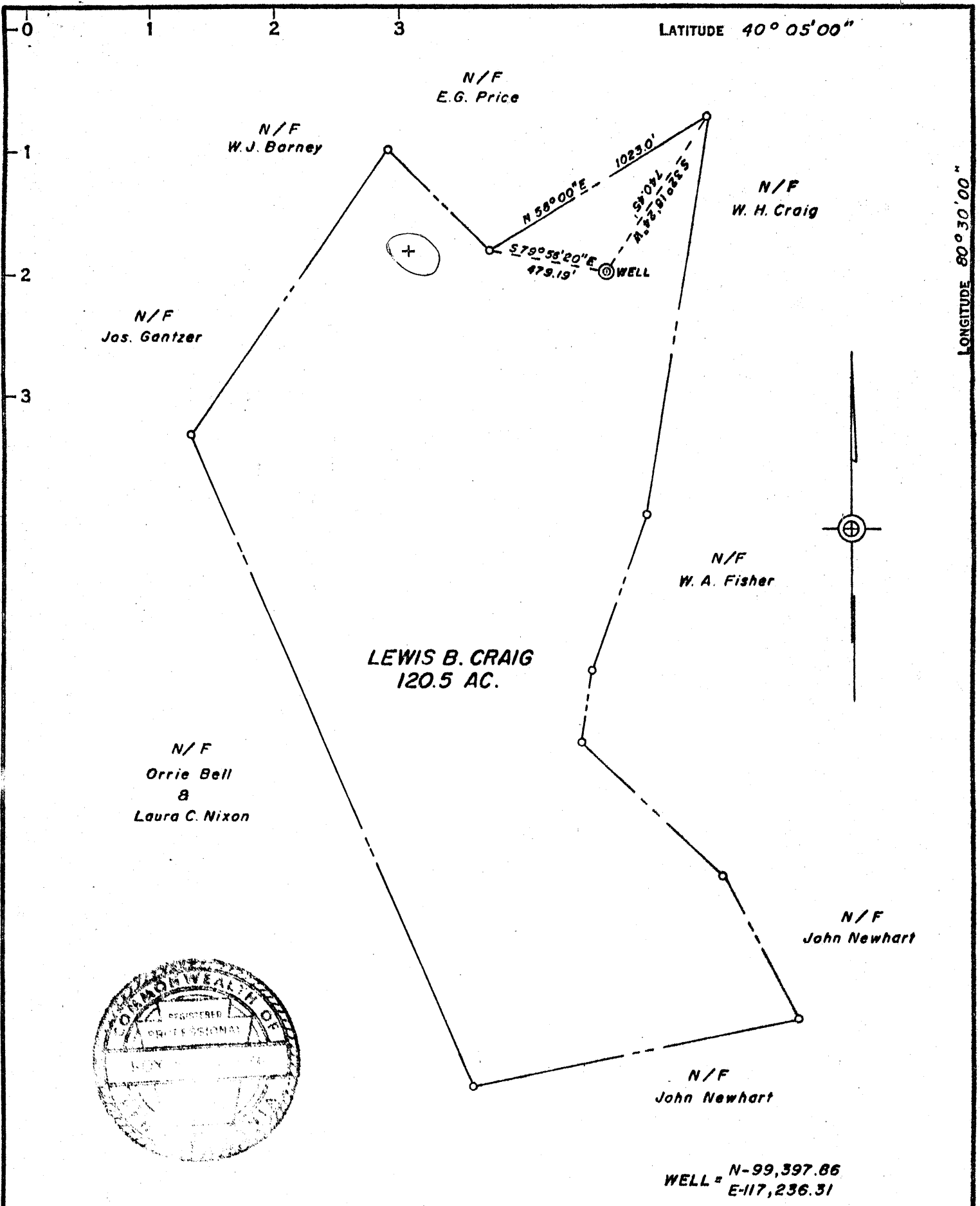
Issued 4-1-69

Signed Roy E. Wilson
10322

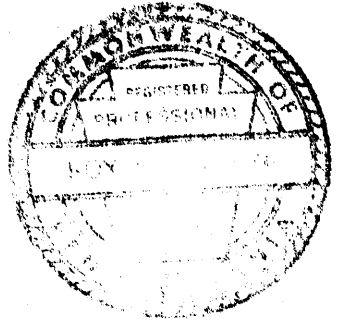
COMPANY	MICOA, INC.
ADDRESS	WESTON, W. VIRGINIA
FARM	LEWIS B. CRAIG
MAP	ACRES 120.5 LEASE NO.
WELL (FARM) NO.	3 SERIAL NO.
ELEVATION (SPIRIT LEVEL)	1342.0'
QUADRANGLE	WHEELING S E W. VIRGINIA - PENNA.
COUNTY	OHIO DISTRICT TRIADELPHIA
POINT OF PROVEN ELEVATION	B.M. 489 - 1308.92' on Inter. 70
FILE NO.	Bk. 114 - Pg. 1 DRAWING NO. W-158
DATE	Jan. 1, 1969 SCALE 1" = 500'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. Ohio-19-P

+ 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.



LEWIS B. CRAIG
120.5 AC.



WELL = N-99,397.86
E-117,236.31

Revised-1-20-69 Lat. & Long. change to 15' Quad. Sh.

COAL OWNED BY The Valley Camp Coal Company

- NEW LOCATION
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- 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 Ray E. Wilson 10322
P.M.E.

COMPANY MICOA, INC.
 ADDRESS WESTON, W. VIRGINIA
 FARM LEWIS B. CRAIG
 MAP _____ ACRES 120.5 LEASE NO. _____
 WELL (FARM) NO. 3 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 1342.0'
 QUADRANGLE WHEELING W. VIRGINIA - PENNA.
 COUNTY OHIO DISTRICT TRIADDELPHIA
 POINT OF PROVEN ELEVATION B.M. 489 - 1308.92' on Inter. 70

FILE NO. Bk. 114 - Pg. 1 DRAWING NO. W-158
 DATE Jan. 1, 1969 SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Ohio-19

+ 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.

6-0 Twilight 329

FEB 08 1969



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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Valley Grove
Permit No. Ohio 19

WELL RECORD

Oil or Gas Well Dry (KIND)

Company Micoa, Inc.
Address Box 105, Weston, West Virginia
Farm Lewis B. Craig Acres 120.5
Location (waters) _____
Well No. # 3 Elev. 1342'
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 January 23, 1969
Drilling completed March 30, 1969
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	20'	Pulled	Kind of Packer
13	700'	Cemented	Size of
10	1206'	1206'	Depth set
8 3/4	1782'	1782'	
6 3/4			
5 3/16			
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

WELL ACIDIZED (DETAILS) _____

WELL FRACTURED (DETAILS) No

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____

ROCK PRESSURE AFTER TREATMENT _____ HOURS _____

Fresh Water 975' Feet _____

Salt Water 1486' Feet _____

Producing Sand _____ Depth _____

Attach copy of cementing record.

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

Amount of cement used (bags) _____

Name of Service Co. _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	20			
Shale			20	57			
Sandy Shale			57	77			
Shale			77	181			
Lime			181	208			
Shale			208	218			
Sandy Shale			218	420			
Lime			420	431			
Shale & Lime			431	468			
Lime			468	490			
Slate			490	496			
Lime			496	579			
Lime			579	655			
Shale			555	664			
Coal			664	670			
Shale			670	710			
Slate & Lime			710	734			
Red Rock			734	740			
Lime			740	743			
Slate & Shells			743	813			
Red Rock			813	827			
Slate			827	972			
Sand			972	987	Water	975'	
Slate			987	1029			
Sand			1029	1038			
Sandy Slate			1038	1114			
Slate & Lime			1114	1121			
Sandy Slate			1121	1152			
Sand			1152	1198			



Formation	Color	Hard or Soft	Top ¹⁶	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			1198	1225			
Sandy Slate			1225	1246			
Slate			1246	1270			
Slate & Lime			1270	1281			
Sand			1281	1346			
Slate			1346	1349			
Sand			1349	1361			
Slate & Shells			1361	1431			
Sand			1431	1535	Water	1586'	
Slate & Shells			1535	1588			
Sand			1588	1764			
Sandy Lime			1764	1768			
Lime Big			1768	1788			
Sand			1788	2055			
Sandy Slate			2055	2081			
Slate			2081	2133			
Slate & Shells			2133	2206			
Slate			2206	2335			
Sandy Slate			2335	2362			
Slate			2362	2404			
Sand	Berea		2404	2424			
Slate			2424	2506			
			TD	2505			

1768
1342
426

Date 3-31, 1969
APPROVED Jerry Mason, Owner
By _____ (Title)