

ACCURACY: 1P / 200P

Source of Elevation USBM @ AARONS (703')

- ~~New Location~~
- Drill Deeper
- Abandonment
- Fracture
- Redrill

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.

Partial Plugging issued 8-6-70
Chet Waterman

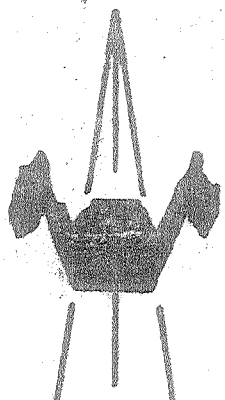
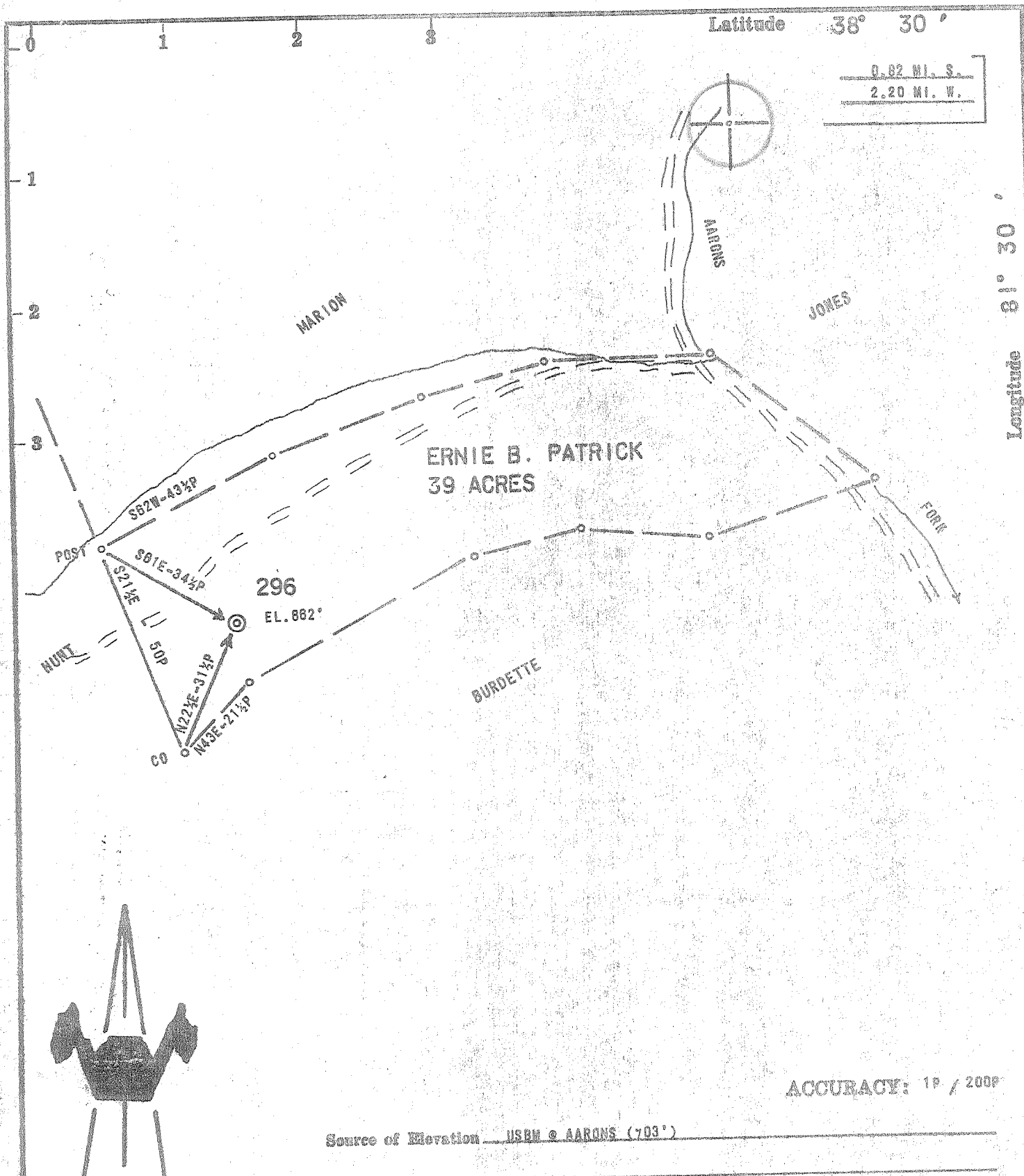
Company APOLLO PETROLEUM CORP.
 Address SPENCER, W. VA.
 Farm ERNIE B. PATRICK, et al
 Tract Acres 39 Lease No. _____
 Well (Farm) No. 296 Serial No. _____
 Elevation (Spirit Level) 862'
 Quadrangle CHARLESTON NE
 County KANAWHA District ELK
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 70003-233 Drawing No. _____
 Date 6/19/70 Scale 1" = 30P

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

WELL LOCATION MAP
 FILE NO. KAN-2470-PP

+ 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.



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Chet Waterman

Company	APOLLO PETROLEUM CORP.		
Address	SPENCER, W. VA.		
Farm	ERNIE B. PATRICK, et al		
Tract	Acres	39	Lease No.
Well (Farm) No.	296	Serial No.	
Elevation (Spirit Level)	862'		
Quadrangle	CHARLESTON NE		
County	KANAWHA	District	ELK
Engineer	CHET WATERMAN		
Engineer's Registration No.	3788		
File No.	70003-233	Drawing No.	
Date	6/19/70	Scale	1" = 30P

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

Rotary
Spudder
Cable Tools
Storage c. NO. 1

Quadrangle Charleston

Permit No. Kan. 2470

WELL RECORD

Oil or Gas Well (Dry) c. NO. 1
(KNO)

Company Apollo Pet. Corp.
Address Box 51, Spencer, W.Va.
Farm Ernie B. Patrick 39 Acres
Location (waters) _____
Well No. Kan. - 296 Elev. 862
District Elk County Kanawha
The surface of tract is owned in fee by Ernie B. Patrick
Address _____
Mineral rights are owned by _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	6065	60.65	
10			Size of
8 5/8	1833.90	1833.90	
6 3/4			Depth set
5	5087	1287	
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced 6-30-70
Drilling completed 7-12-70
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.
WELL ACIDIZED (DETAILS) 1000 Gals.

Attach copy of cementing record.
CASING CEMENTED Yes SIZE 5 1/2 No. Ft. _____ Date _____
Amount of cement used (bags) 75 Sks.
Name of Service Co. Halliburton Cementing Co.
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED (DETAILS) Pulled 5 1/2 casing @ 3800 ran cement plug, tested shale.
no. good, very light show of gas.
RESULT AFTER TREATMENT (Initial open Flow or bbls.) Very small show of gas.
ROCK PRESSURE AFTER TREATMENT 450 HOURS 48
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	05			
Sand Stone			5	20			
Sandy Shale			20	50			
Shale			50	151			
Sand			151	180		130 water	
Sandy Lime			180	400			
Shale & Lime			400	875		1190	
Shale & Sand			875	1170			
Salt Sand			1170	1451			
Sandy Lime			1451	1590			
Big Lime			1590	1759			
Injun Sand			1759	1784			
Shale			1784	2248			
Benea Sand			2248	2254			
Shale			2254	4906			
Comm. Lime			4906	5005			
Oriskany			5005	5070			
Sandy Lime	<u>Helderberg</u>		5070	5200	T. D.		

RECEIVED
APR 8 1971
DEPARTMENT OF MINES