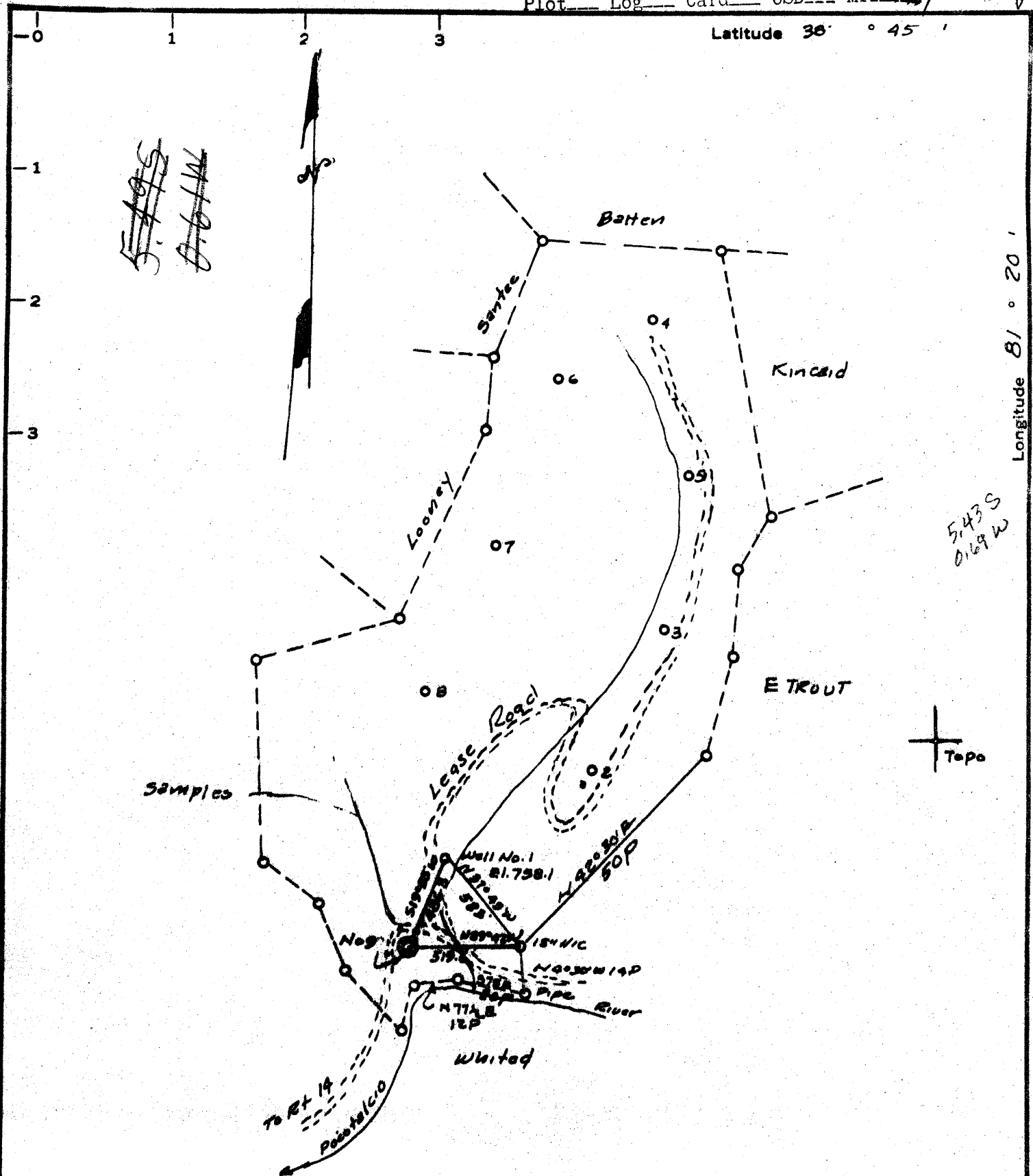


Latitude 36° 45'



MINIMUM ERROR OF CLOSURE 1' 17 200

SOURCE OF ELEVATION Well No 1 Elev 758.1

New Location
 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."

Company BEREA PETROLEUM INC
 Address 1814-7TH St. Parkersburg, W. Va.
 Farm Walter Mitchell et al
 Tract _____ Acres 125 Lease No. 146
 Well (Farm) No. 9 Serial No. _____
 Elevation (Spirit Level) 753.8
 Quadrangle Walton N.C.
 County Roane District Smithfield
 Engineer Raymond S. Taper
 Engineer's Registration No. 4801
 File No. _____ Drawing No. _____
 Date June 26, 1967 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. Rea-1618

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 20

Rotary
Spudder
Cable Tools
Storage

Quadrangle Walton
Permit No. ROA-1618

WELL RECORD

Oil or Gas Well Injection
(KIND)

Company Adena Petroleum, Inc.
Address 1814 Seventh St., Parkersburg, W. Va.
Farm Walter Mitchell Acres 123
Location (waters) Pocatalico
Well No. 9 (Water Injection) Elev. 733.8
District Smithfield County Roane
The surface of tract is owned in fee by Walter Mitchell
Address _____
Mineral rights are owned by L. F. Dye, et.al.
Address _____
Drilling commenced 6/28/67
Drilling completed 7/7/67
Date Shot _____ From _____ To _____

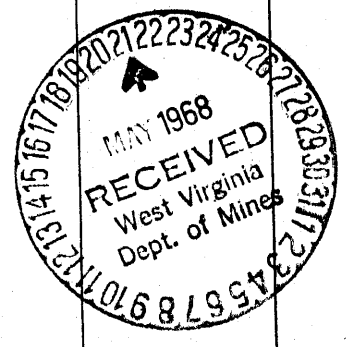
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			Depth set
8 1/4	63.5	63.5	
6 3/4			
5 3/16			Perf. top
4 1/2	1975	1975	Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

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) 8/1/67 400 Gal.
300 BBL Water
WELL FRACTURED (DETAILS) 8/26/67 w/570 BBL. Water and 15,000# 20-40 Sand

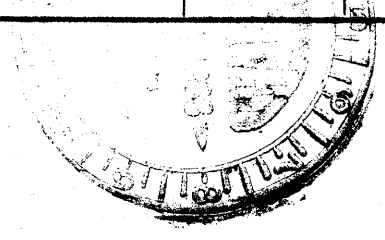
Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 1975' No. Ft. 7/7/67 Date
Amount of cement used (bags) 100
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT None FEET _____ INCHES _____
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____ Used for Injection (Natural Resources Permit #3464)
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water None Feet _____ Salt Water None Drilled w/ mud Feet _____
Producing Sand Water Injection Well Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface Clays			0	20			
Lime			20	35			
Shale w/sand shells			35	63			
Shaley Shale w/shells			63	115			
Red Bed & Shells & Shale			115	380			
Shale			380	470			
Sand			470	515			
Shale			515	570			
Hard Sand			570	575			
Green Shaley Sand			575	600			
Sandy Shale			600	715			
Sand			715	765			
Sand			765	870			
Shaley Sand			870	915			
Shaley Sand			915	1005			
Sand & Shaley Sand			1005	1125			
Sand			1125	1260			
Sand Shale			1260	1310			
Black Shale			1310	1365			
Sand Shale			1365	1390			
Salt Sand			1390	1420			
Hard Sand			1420	1434			
Hard Sandy Lime & Red Shale Stks.			1434	1455			
Sand			1455	1470			
Sandy Lime w/red Shale stks.			1470	1483			
Sand			1483	1545			



Formation	Color	Hard or Soft	Top ²⁰	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1545	1615			
Salt Sand			1615	1645			
Sand			1645	1680			
Sand			1680	1701			
Shale (pencil cave)			1701	1711			
Lime (big Lime)			1711	1790			
Lime & dolomite			1790	1833			
Sand (big Injun)			1833	1885			
Sandy shale w/lime streaks			1885	1951			
Lime			1951	1961			
Sandy Shale w/lime			1961	2113			
Sand Shale w/lime			2113	2238			
Sandy Shale & Shale		Berea	2238	2300			
			2300 T.D.				



Date 5/20, 1968

APPROVED Adena Petroleum, Inc., Owner

By [Signature]
(Title)