

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

W. H. Ramsey
E. P. S. No. 1227

New Location
Drill Deeper
Abandonment

Issued 7-2-69

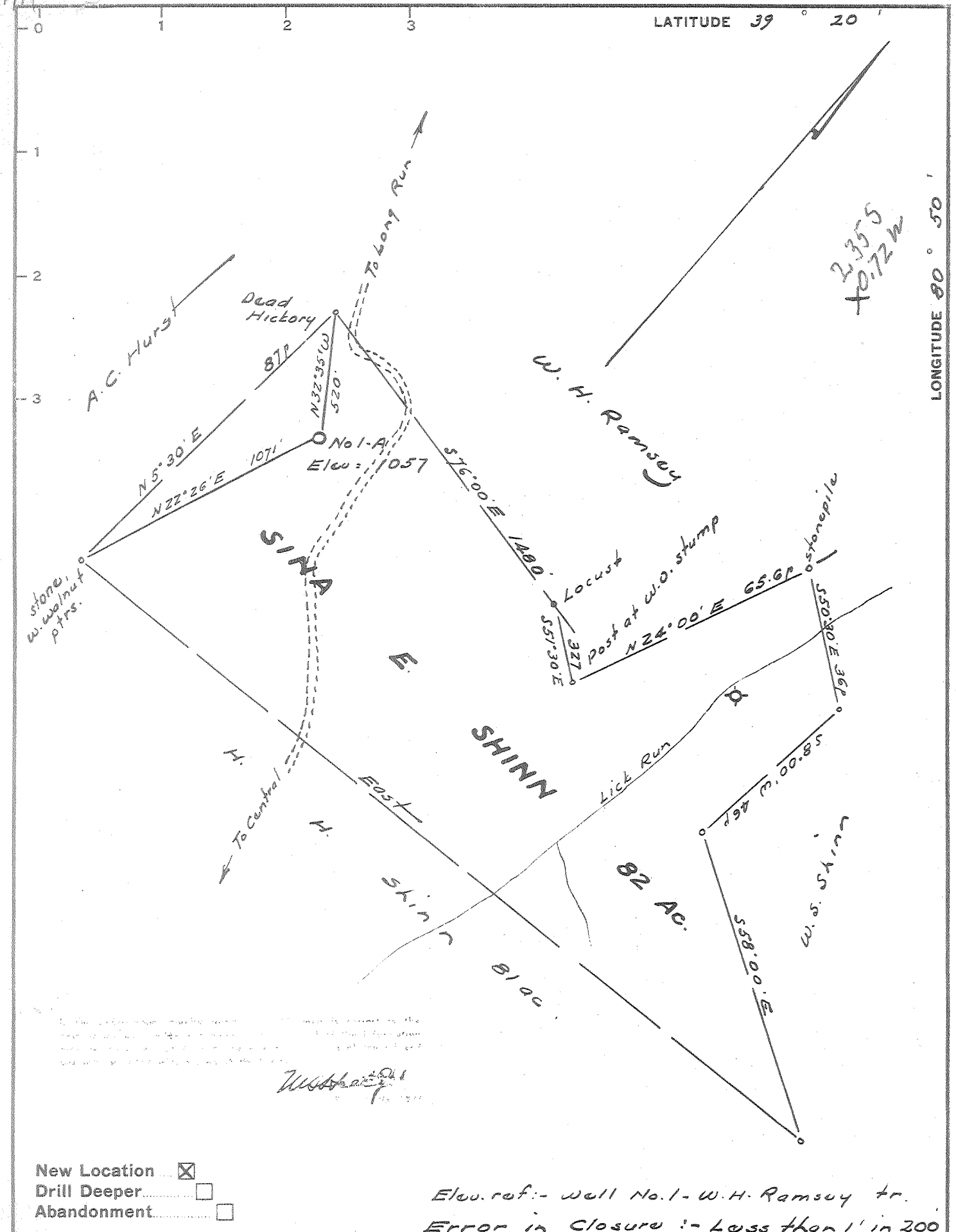
Elev. ref. - Well No. 1 - W. H. Ramsey tr.
Error in closure - Less than 1' in 200

Company RUDDER OIL & GAS CO.
 Address Box 126, Belpru, Ohio
 Farm Sino E. Shinn
 Tract _____ Acres 81 Lease No. _____
 Well (Farm) No. 1-A Serial No. _____
 Elevation (Spirit Level) 1057
 Quadrangle West Union SC
 County Dodderidge District Central
 Engineer W. H. Ramsey
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date August 14, 1965 Scale 1" = 30p = 495'

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

WELL LOCATION MAP
FILE NO. 000-1290-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.



Company RUDDER OIL & GAS CO.
 Address Box 126, Belpre, Ohio
 Farm Sing E. Shinn
 Tract _____ Acres 81 Lease No. _____
 Well (Farm) No. 1-A Serial No. _____
 Elevation (Spirit Level) 1057
 Quadrangle West Union - 50
 County Doddridge District Central
 Engineer W. S. Shinn
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date August 14, 1965 Scale 1" = 30p = 495'

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

WELL LOCATION MAP
 FILE NO. DOD-1290

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 3

Rotary
Spudder
Cable Tools
Storage

Quadrangle West Union
Permit No. DOD-1290

WELL RECORD

Oil or Gas Well Gas
(K ND)

Company Rudder Oil & Gas Company
Address P. O. Box 126, Belpre, Ohio 45714
Farm Sina E. Shinn Acres 81
Location (waters) Lick Run
Well No. 1-A Elev. 1057
District Central County Doddridge
The surface of tract is owned in fee by Sina E. Shinn et al
Address West Union, W. Va.
Mineral rights are owned by same
Address _____

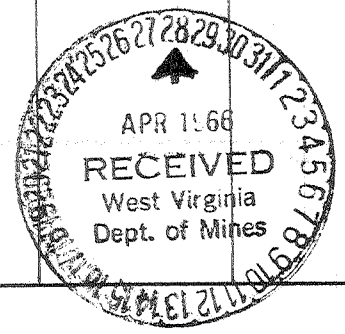
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	13	13	
10	250		Size of
8 1/4	1056		
6 5/8			Depth set
5 3/16			
4 1/2	2212	2212	
3			Perf. top <u>2084-2087</u> 1 1/2 shots
2			Perf. bottom
Liners Used			Perf. top <u>2050-2052</u> 1 1/2 shots
			Perf. bottom

Drilling commenced December 5, 1965
Drilling completed December 15, 1965
Date Shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume show Cu. Ft.
Rock Pressure _____ lbs. hrs.
Oil show bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____

Attach copy of cementing record.
CASING CEMENTED 4-1/2 SIZE 2212 No. Ft. 12/17/65 Date
Amount of cement used (bags) 50 bags
Name of Service Co. Lawson Cementing Company
COAL WAS ENCOUNTERED AT none FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

WELL FRACTURED (DETAILS) Halliburton Co. 12/24/65, Big Injun 571 Bbls, 20,000 20/40 sand; Keener 450 Bbls. water, 17,500 20/40 sand
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1,000,000 cubic feet Keener Big Injun
ROCK PRESSURE AFTER TREATMENT 625 # HOURS 24 hours
Fresh Water 1500 Feet to 1510 feet Salt Water 1503 Feet 1510'
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<u>DRILLER'S LOG</u>							
Red rock		soft	0	37			
Sand		hard	37	47	water	@ 40 - 47	3 blrs pr. hr.
Red rock		soft	47	85			
Slate & Shells		soft	85	135			
Sand		hard	135	165			
Red rock		soft	165	215			
Sand		hard	215	235			
Slate & Shells		soft	235	315			
Sand		hard	315	338			
Red rock		soft	338	500			
Slate & Shells		soft	500	555			
Red rock		soft	555	560			
Sand		hard	560	640	water	@ 590-610	
Slate & Shells		soft	640	705			
Lime		hard	705	740			
Red rock		soft	740	750			
Slate & Shells		soft	750	825			
Red rock		soft	825	895			
Slate		soft	895	1050			
Red rock		soft	1050	1065			
Lime & Shells		hard	1065	1071			
Slate & Shells		soft	1071	1150			
Sand		hard	1150	1285			
Slate & Shells		soft	1285	1330			



Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand		hard	1330	1470			
Slate & Shells		soft	1470	1500			
Sand		hard	1500	1630	water	@1503-1510	
Slate		soft	1630	1665			
Sand		hard	1665	1692			
Slate		soft	1692	1805			
Sand		hard	1805	1832			
Slate		soft	1832	1919			
Red rock		soft	1919	1930			
Slate		soft	1930	1939			
Lime		hard	1939	1958			
Slate		soft	1958	1968			
Lime		hard	1968	2015			
Keener		hard	2015	2070	gas	@ 2034-2040	
Big Injun		hard	2070	2120			
Slate		soft	2120	2125			
Sand		hard	2125	2202			

Date April 21, 1966

APPROVED Rudder Oil & Gas Company, Owner

By Neal Rudder
President (Title)