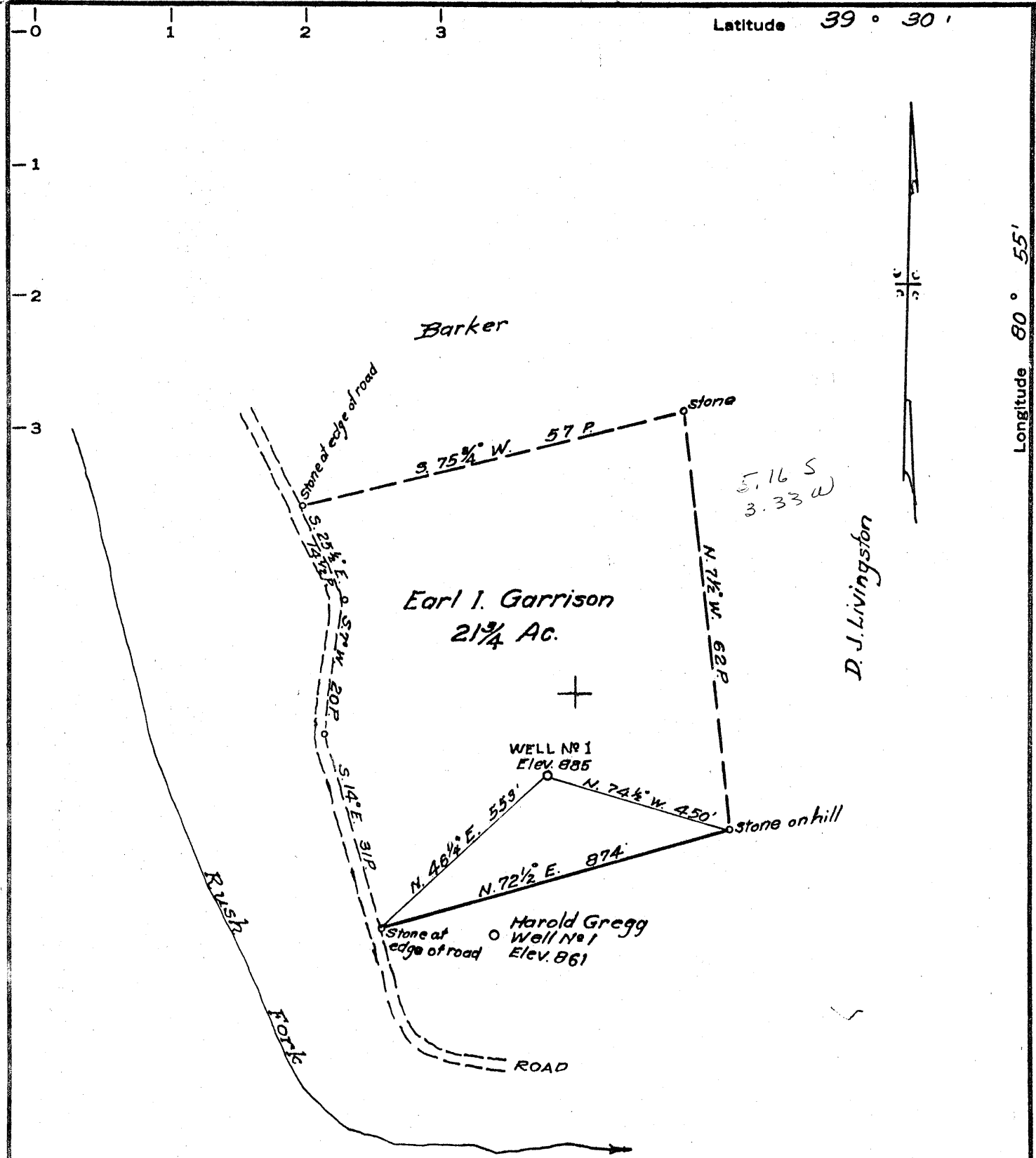


Latitude 39° 30'



Longitude 80° 55'

MINIMUM ERROR OF CLOSURE 1/500

SOURCE OF ELEVATION Well No 1, Harold Gregg - Elev. 861

New Location
 Drill Deeper
 Abandonment
 Dated 3-5-69

"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 Smith Drilling Inc., Russell G. Smith, Agt.
 Address R.D. #1, Box 66, Chester, W. Va.
 Farm Earl I. Garrison
 Tract 1 Acres 21 1/4 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 885
 Quadrangle West Union NW
 County Tyler District Meade
 Engineer Parker E. Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date May 3, 1966 Scale 1" = 20 P.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Ty 1-401-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.

MAR 16 1969



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 10

Rotary
Spudder
Cable Tools
Storage

Quadrangle

Permit No. TYL-401

WELL RECORD

Oil or Gas Well _____ (KIND)

Company Smith Drilling Contractors, Inc.
Address R.D.#1 Box 66, Chester, W.Va.
Farm Earl Garrison Acres 21 3/4
Location (waters) Rush Fork
Well No. #1 Elev. 885
District Meade County Tyler
The surface of tract is owned in fee by Earl Garrison
Address R.D.#1 Middlebourne
Mineral rights are owned by Earl Garrison
Address

Drilling commenced Aug. 25, 1966
Drilling completed Oct. 6, 1966
Date Shot From To
With

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16 9ft.	9 ft.	9 ft.	
13			
10 235 ft.	235	235	Size of
8 1/4 964	964		
6 1/2 1482	1482	1482	Depth set
5 3/16			
4 1/2			
3			Perf. top
2 1848		1848	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume App. 30,000 at 1668 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil Show at 1794 bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____ none _____ FEET _____ INCHES _____ FEET _____ INCHES
WELL FRACTURED (DETAILS) _____

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

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water 45 ft. Feet 1420 ft. Salt Water _____ Feet 1796 ft.
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
rock	red	soft	0	45			
sand	gray	hard	45	50	water	45	
shale	gray	m. hard	50	70			
rock	red	m. hard	70	74			
rock	gray	hard	74	79			
shale	gray	m. hard	79	85			
sand	gray	hard	85	90			
rock	red	soft	90	110			
shale	d. gray	soft	110	127			
rock	red	m. hard	127	145			
lime	gray	m. hard	145	160			
shale	red	m. hard	160	198			
sand		m. hard	198	212			
rock	red	m. hard	212	220			
sand		hard	220	249			some lime
shale	gray	soft	249	265			
rock	red		265	316			
lime			316	367			shells



Formation	Color	Hard or Soft	Top 10	Bottom	Oil, Gas or Water	Depth Found	Remarks
rock	red		367	395			
shale	gray	m. hard	395	495			
rock	red	soft	495	504			
shale	gray	m. hard	504	607			shells
rock	red	soft	607	668			
shale	gray	m. hard	668	727			shells
rock	red	soft	727	798			
shale	gray	m. hard	798	847			shells
rock	red	soft	847	907			
shale	gray	m. hard	907	917			shells
rock	red	soft	917	933			
shale		m. hard	933	986			lime & shells
sand	white	hard	986	1019			
shale	d. gray	m. hard	1019	1024			
shale	pink	soft	1024	1034			
shale	gray	m. hard	1034	1120			
sand	white	hard	1120	1245			
shale	gray	m. hard	1245	1291			shells
shale	brown	m. hard	1291	1298			
shale	gray	soft	1298	1318			
sand			1318	1450	fresh water	1420	
shale	black		1450	1462			
sand			1462	1491			
lime							
shale	black		1491	1524			
shale	gray	m. hard	1524	1644			
sand	<i>maxon salt</i>		1644	1678	30 mcf		<i>all maxin</i>
lime	<i>BL</i>		1678	1716			shells
lime			1716	1778			
sand	<i>Keener</i>		1778	1790	1716 885 631		keener
sand	<i>INJUN</i>		1790	1850			

Date Nov. 21, 1966, 19

APPROVED Smith Drilling Contractors, Inc., Owner

By *Ronald D. Smith*
(Title)