

- New Location .
- Drill Deeper
- Redrill
- Abandonment

SOURCE OF ELEVATION B.M 948 AT NEW MT. OLIVE CHURCH
ACCURACY 1:200

"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"

P. H. Hackney P.E.

Durst Oil & Gas Co. Inc.
Rt. 2, Box 538, Pt. Pleasant, WVa. 25550

Farm W. T. SARGENT *Jamie Durst Sargent*
 Tract 1 Acres 111 Lease No. Rt. 1 Box 52
 Well (Farm) No. 1 Serial No. D.H. 113
 Elevation (Spirit Level) 1021.82'
 Quadrangle WINEFIELD 15 / OUNWOOD 7.5
 County JACKSON District RIPLEY
 Engineer P. H. HACKNEY
 Engineer's Registration No. 2442 *Permit*
 File No. _____ Drawing No. _____
 Date 12-29-70 Scale 1" = 500'

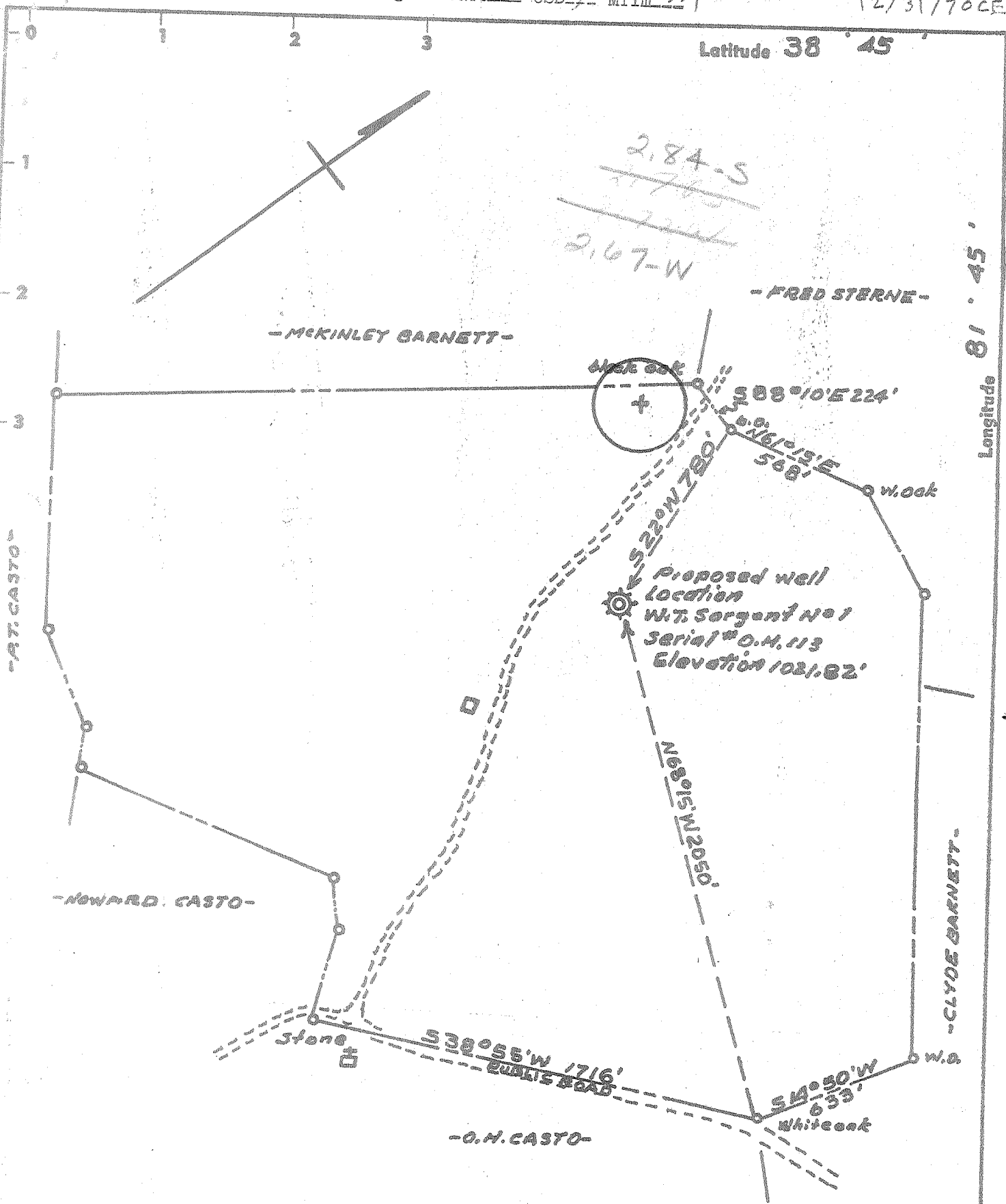
STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
NITRO, WEST VIRGINIA 25143

WELL LOCATION MAP

Appl. Well No. 47-035-01258-7

- + 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 space on border line of original tracing.

3900' to 2440'



- New Location .
- Drill Deeper
- Redrill
- Abandonment

SOURCE OF ELEVATION B.M 948 AT NEW MT. OLIVE CHURCH
ACCURACY 1:200

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P. H. Hackney P.E.

Company	<u>POM CORP</u>
Address	<u>ANN ARBOR, MICH</u>
Farm	<u>W. T. SARGENT</u>
Tract	<u>1</u> Acres <u>III</u> Lease No.
Well (Farm) No.	<u>1</u> Serial No. <u>O.H. 113</u>
Elevation (Spirit Level)	<u>1021.82'</u>
Quadrangle	<u>WINFIELD NE</u>
County	<u>JACKSON</u> District <u>RIPLEY</u>
Engineer	<u>P. H. HACKNEY</u>
Engineer's Registration No.	<u>2442</u>
File No.	_____ Drawing No. _____
Date	<u>12-29-70</u> Scale <u>1" = 500'</u>

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

WELL LOCATION MAP

FILE NO. JAC-1258

+ 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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JUL 25 1972

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Winfield

Permit No. JAC. 1258.

Company <u>P.O.M. CORPORATION</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. BOX. 374. ANN ARBOR MICHIGAN.</u>	Size			
Farm <u>W.T. SARGENT.</u> Acres <u>116</u>	20-16			
Location (waters)	Cond.			
Well No. <u>1. SER. OH. 113</u> Elev. <u>1021</u>	13-10"	<u>42'</u>	<u>42'</u>	TO SURFACE
District <u>RIPLEY</u> County <u>JACKSON</u>	9 5/8	<u>1320'</u>	<u>1320'</u>	300 BAGS
The surface of tract is owned in fee by <u>W.T. SARGENT</u>	8 5/8			
Address <u>ROCK CASTLE</u>	7	<u>2800'</u>	<u>2800'</u>	100. BAGS
Mineral rights are owned by <u>SAME</u>	5 1/2			
Address _____	4 1/2	<u>5112</u>	<u>5112</u>	150. BAGS
Drilling Commenced <u>1-5-71</u>	3			
Drilling Completed <u>2-9-71</u>	2	<u>5083'</u>	<u>5083'</u>	
Initial open flow _____ cu. ft. _____ bbls.	Liners Used			
Final production <u>1320-M</u> cu. ft. per day _____ bbls.				
Well open <u>4</u> hrs. before test <u>1840</u> RP.				

Well treatment details: Attach copy of cementing record.
 YES BY HALLIBURTON. C.O. BREAKDOWN 4300. PSI. RATE 6 BBM. 4800 PSI. 100. S.K.S.
 20/40. SAND. 160BBS. SAND LAYED FLUID. 250. GAL. ACID. SHUT IN 3700. PSI.
 SAND PER. GAL. 1.LB.

Coal was encountered at 785'--790' Feet 5' Inches
 Fresh water 60' Feet Salt Water _____ Feet
 Producing Sand ORISKANY Depth 5072' 5095'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
SHALE			0	45		
SAND			45	60	WATER	60'
SHALE			60	250		
SHALE SHELLS			250	785		
COAL			785	790		
SHALE SHELLS			790	1300		
SAND - Salt Sand?			1300	1785		
BIG LIME			1785	1935		
SAND - Injune plus			1935	2148		
SHALE			2148	2700		
SAND SHELLS			2700	2710		
SHALE			2710	5072		
ORISKANY			5072	5095		
LIME SHELLS - Helderberg, Saline			5095	5690		
					SET. CAST. IRON BRIDGE PLUG AT. 5200'	
					T.D. 5690'	
					(519)	

P.I. card indicates perf set @
 5074-76
 and
 5086-92

(over)

* Indicates Electric Log tops in the remarks section.

AUG 10 1972

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WV Division of
Environmental Protection

035-1258-F

FORM WW-2B

NOV 08 1995

Page ___ of ___

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

Permitting
Office of Oil & Gas
WELL WORK PERMIT APPLICATION

- 1) Well Operator: DURST OIL & GAS, INC. 14680 (3) 338
- 2) Operator's Well Number: *1 SARGENT 3) Elevation: 1021.8
- Well type: (a) Oil ___ / or Gas X / *Issued 11/09/95*
 (b) If Gas: Production X / Underground Storage ___ / *Expires 11/09/97*
 Deep ___ / Shallow X /
- Proposed Target Formation(s): DEVONIAN BROWN SHALE
- Proposed Total Depth: 4450 feet *New Leaf 4200'*
- Approximate fresh water strata depths: 60 FEET
- Approximate salt water depths: _____
- Approximate coal seam depths: 785-790'
- Does land contain coal seams tributary to active mine? Yes ___ / No X /
- Proposed Well Work: SET WIRELINE PLUG IN 4 1/2" CSG. AT 4450' TO ABANDON ORISIGNY ZONE. PERFORATE & STIMULATE DEVONIAN SHALE ZONE
- CASING AND TUBING PROGRAM c 3900' TO 4400'

TYPE	SPECIFICATIONS	FOOTAGE INTERVALS	CEMENT
Conductor	Size 13" Grade ON 4 1/2"	Weight per ft. For drilling 42'	Left in well 42' Fill-up (cu. ft.) TO SURFACE
Fresh Water	Size 9 5/8"	1320'	1320' 300 SAX.
Coal			<i>Explosion from well Records</i>
Intermediate	Size 7"	2800'	2800' 100 SAX.
Production	Size 4 1/2"		5112' 150 SAX
Tubing	Size 2 3/8"		5083'
Liners			<i>TOP 2935</i>

PACKERS : Kind NONE
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

7/12/45
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond LC Blanket Agent
 (Type)

21387

West Virginia Division of
Environmental Protection

10/12/1995

Permitting
Office of Oil & Gas

- 1) Date: OCTOBER 12, 1995
- 2) Operator's well number
#1 W.T. SARGENT
- 3) API Well No: 47 - 035 - 1258 - F
State - County - Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name LOUIE GREY SARGENT
Address RT. 1, BOX 252
GIVEN, W.VA. 25245
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name NONE
Address _____
 - (b) Coal Owner(s) with Declaration
Name _____
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector GLEN ROBINSON
Address BELEVILLE, W.VA.
Telephone (304)- 863-8766

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- _____ Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well operator DURST OIL & GAS, INC.
 By: Ronald W. Durst Jr. RONALD W. DURST, JR.
 Its: PRESIDENT
 Address ROUTE 2 Box 538
PT. PLEASANT, W.VA. 25550
 Telephone 304-675-3064

Subscribed and sworn before me this 3rd day of November, 1995

My commission expires Sept 1 2003 Betsy S. Vineyard Notary Public



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
BETSY S. VINEYARD
132 SPENCER AVE.
SPENCER, WV 25276
My Commission Expires September 1, 2003

RECEIVED

WV Division of Environmental Protection

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

FEB 23 1996

Well Operator's Report of Well Work

Permitting Office of Oil & Gas
Farm name: SARGENT, LOUIE GREY

Operator Well No.: SARGENT #1

LOCATION: Elevation: 1,021.82 Quadrangle: ELMWOOD

District: RIPLEY County: JACKSON
Latitude: 14750 Feet South of 38 Deg. 45Min. 0 Sec.
Longitude 2250 Feet West of 81 Deg. 47 Min. 30 Sec.

Company: DURST OIL & GAS CO., INC.
ROUTE 2, BOX 538
POINT PLEASANT, WV 25550-0538

Agent: RONALD W. DURST, JR.

Inspector: GLEN ROBINSON
Permit Issued: 11/09/95
Well work Commenced: 12/06/95
Well work Completed: 12/12/95

Verbal Plugging
Permission granted on:
Rotary Cable XXXX Rig
Total Depth (feet) Present 4460'
Fresh water depths (ft) 60'

Salt water depths (ft)

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 785 to 790'

Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13"	42'	42'	
10"	1320'	1320'	300sax
7"	2800'	2800'	100sax
4½"	5112'	5112'	150sax
1½"		4213'	

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth (ft) 4244 - 4293
Gas: Initial open flow SHOW MCF/d Oil: Initial open flow Bbl/d
Final open flow 100 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock Pressure 958 psig (surface pressure) after 4 days Hours

Second producing formation Pay zone depth (ft)
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
Final open flow MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: DURST OIL & GAS CO., INC.

By: Ronald W. Durst Jr. President
Date: Feb 21, 1996

Electric log shows Brown Shale @ 3899' to 4380'.
Set bridge plug in 4½" casing at 4460' with Cal-Seal on top.
Perforated Brown Shale section 4244' to 4293' with 20 shots.
Fractured Brown Shale with foam using 70 BBLs. water and
429,500 SCF Nitrogen. Breakdown pressure = 1880 #, treating
pressure = 1760 PSI.
Tubed well with 4213 feet of 1½" tubing.