

Company WESTERN COCOHONTAS CORP.

Address BOX 509 HUNTINGTON, W. VA.

Farm DOROTHY AND SARITA

Tract _____ Acres 82.73 Lease No. _____

Well (Farm) No. 3 Serial No. 70

Elevation (Spirit Level) 2305.79

Quadrangle BALD KNOB & NE

County RALEIGH District MARSH FORK

Engineer Geo. H. Miller

Engineer's Registration No. 1892

File No. _____ Drawing No. _____

Date BUCKET 21 1959 Scale 1" = 200'

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

WELL LOCATION MAP
FILE NO. RRL-228

+ 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
Division of Environmental Protection
Office of Oil and Gas

AP

WELL OPERATOR'S REPORT of WELL WORK

Farm Name: WESTERN POCAHONTAS PROP. Operator Well No.: DOROTHY 70DD

Location: Elevation: 2306 7.5' Quad.: WHITESVILLE

District: MARSH FORK County: RALEIGH
Latitude: 12740 Feet South of 37 Deg. 57 Min. 30 Sec.
Longitude: 550 Feet West of 81 Deg. 30 Min. 00 Sec.

Company: **North Coast Energy Eastern, Inc.**
P. O. BOX 8
RAVENSWOOD, WV 26164

Agent: David L. Cox

Inspector: OFIE HELMICK

Permit Issued: 04/22/02

Well Work Commenced (spud): 08/03/02

Well Work Completed (T.D.): 08/06/02

Verbal Plugging

Permission Granted on:

Rotary X Cable _____ Rig

Total Depth (feet): 6120

Fresh Water Depths (feet):

None found in deepening of well

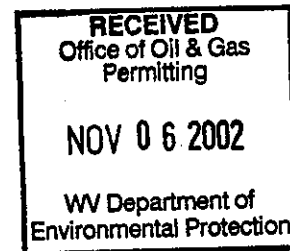
Salt Water Depths (feet):

None found in deepening of well

Is coal being mined in area? No

Coal Depths (ft): None found in Deepening

Casing & Tubing (Size-O.D.)	Used in Drilling (feet)	Left in Well (feet)	Cement Type (sacks)
9 5/8"			SX CLASS A CEMENT
7"		EXISTING 3365	SX CLASS A CEMENT
4 1/2"		6090	150 SX GSB Cement



OPEN FLOW DATA

Producing formation WEIR, LOWER WEIR Pay zone depth (ft) 3728-3792
3827-3876
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
4330-4342
2nd producing form. GORDON, BROWN SHALE Pay zone depth (ft) 5360-5941
Gas: Initial open flow not taken MCF/D Oil: Initial open flow -- BBL/D
Final open flow 1.3M MCF/D Final open flow _____ BBL/D
Time of open flow between initial and final tests 21 Hours
Static rock pressure 865 psig (surface pressure) after 24 Hours

*Note: Open-flows & Rock Pressure are combined

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 GEOLOGIC RECORD OF ALL FORMATIONS, INCLUDING COAL, ENCOUNTERED BY THE WELLBORE.

For: *David L. Cox*
NORTH COAST ENERGY Eastern, Inc.
By: David L. Cox, Manager of Geology
Date: 31-Oct-02

NOV 27 2002

RALEIGH 0228-00

WR-35
(Reverse)

API / Permit #: 47-081-00228-DD
North Coast Well #: DOROTHY 70-DD
Elevation: 2306 GL 2316 KB

DETAILS OF PERFORATING, FRACTURING, OR PHYSICAL CHANGE, ETC.

PERFORATED THE BROWN SHALE FROM 5360 TO 5941 USING 50 HOLES.
FRAC'D THE BROWN SHALE WITH 1.3MCF OF NITROGEN AND 500 GAL HCL
PERFORATED THE GORDON SAND FROM 4330 TO 4342 USING 38 HOLES.
FRAC'D THE GORDON SAND USING 56,307# 20/40 SAND, 374,800SCF OF NITROGEN,
500 GAL OF HCL, AND 192 BBL OF FLUID.
PERFORATED THE LOWER WEIR FROM 3827 TO 3876 USING 77 HOLES.
FRAC'D THE LOWER WEIR USING 51,481# 20/40 SAND, 395,300SCF OF NITROGEN, 500 GAL OF HCL,
AND 170 BBL OF FLUID.
PERFORATED THE WEIR SAND FROM 3728 TO 3792 USING 104 HOLES.
FRAC'D THE WEIR SAND USING 40,529# 20/40 SAND, 341,000SCF OF NITROGEN, AND 148 BBL OF FLUID

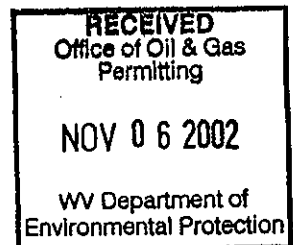
WELL LOG

ROCK TYPE OR FORMATION NAME	TOP	BOTTOM	REMARKS
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(all measurements taken from KB)

This well was originally drilled in 1959 to the Weir Sand (see original well record for shallow formations).
The well was deepened through the Brown Shale in 2002.

BIG LIME		3660	
SHALE	3660	3720	
UPPER WEIR SAND	3720	3794	
SHALE	3794	3826	
OLD T.D.	3810		
LOWER WEIR SAND	3826	3902	s/gas
SHALE	3902	4096	
COFFEE SHALE (SUNBURY)	4096	4122	
BEREA SAND	4122	4123	
SHALE	4123	4326	
GORDON	4326	4342	s/gas
SHALE	4342	5233	
BROWN SHALE (LOWER HURON)	5233	5950	
SHALE (JAVA)	5950	6132	
TOTAL DEPTH (LOGGERS')	6132		
TOTAL DEPTH (DRILLERS')	6121		





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

Quadrangle Bald Knob

Permit No. RAL 228

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Western Pocahontas Corporation
Address Box 509, Huntington, W. Va.
Farm Dorothy-Sarita Acres 8273
Location (waters) Little Marsh Fork
Well No. 70 Elev. 2305.79
District Marsh Fork County Raleigh
The surface of tract is owned in fee by Western Pocahontas Corporation, Box 509, Huntington, W. Va.
Mineral rights are owned by Western Pocahontas Corp. Box 509, Huntington, W. Va.
Drilling commenced 10-23-59
Drilling completed 2-25-59
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 30,000 Cu. Ft.
Rock Pressure 530 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer <u>Larkin</u>
16			Upside Down
13	<u>26</u>	<u>26</u>	Size of <u>3" x 7"</u>
10	<u>1532</u>	<u>1532</u>	Depth set <u>3600</u>
8 1/4	<u>2172</u>		Perf. top <u>3700</u>
6 3/4	<u>3365</u>	<u>3365</u>	Perf. bottom <u>3735</u>
5 3/16			Perf. top _____
3	<u>3735</u>	<u>3735</u>	Perf. bottom _____
2			
Liners Used			

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 107 FEET 24 INCHES
148 FEET 12 INCHES 252 FEET 36 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

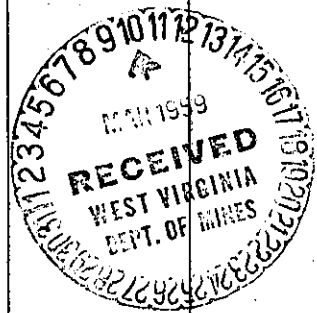
WELL FRACTURED Feb. 25 with 400 barrels water & 600 # sand

RESULT AFTER TREATMENT 1,212,000 cfd

ROCK PRESSURE AFTER TREATMENT 530# - 24 hrs. after treatment

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand-Gravel			0	25			
Slate			25	69			
Sand			69	107			
Coal			107	109			
Sand			109	148			
Coal			148	149			
Slate			149	157			
Sand			157	231			
Slate			231	252			
Coal			252	255			
Slate			255	290			
Open Space			290	295			
Slate			295	306			
Sand			306	418			
Slate			418	480			
Sand			480	542			
Slate			542	578			
Sand			578	585			
Slate			585	608			
Sand			608	640			
Slate			640	674			
Sand			674	715			
Slate			715	757			
Lime			757	770			
Sand			770	816			
Sand			816	840			
Slate			840	854			
Sand			854	880			
Slate			880	885			



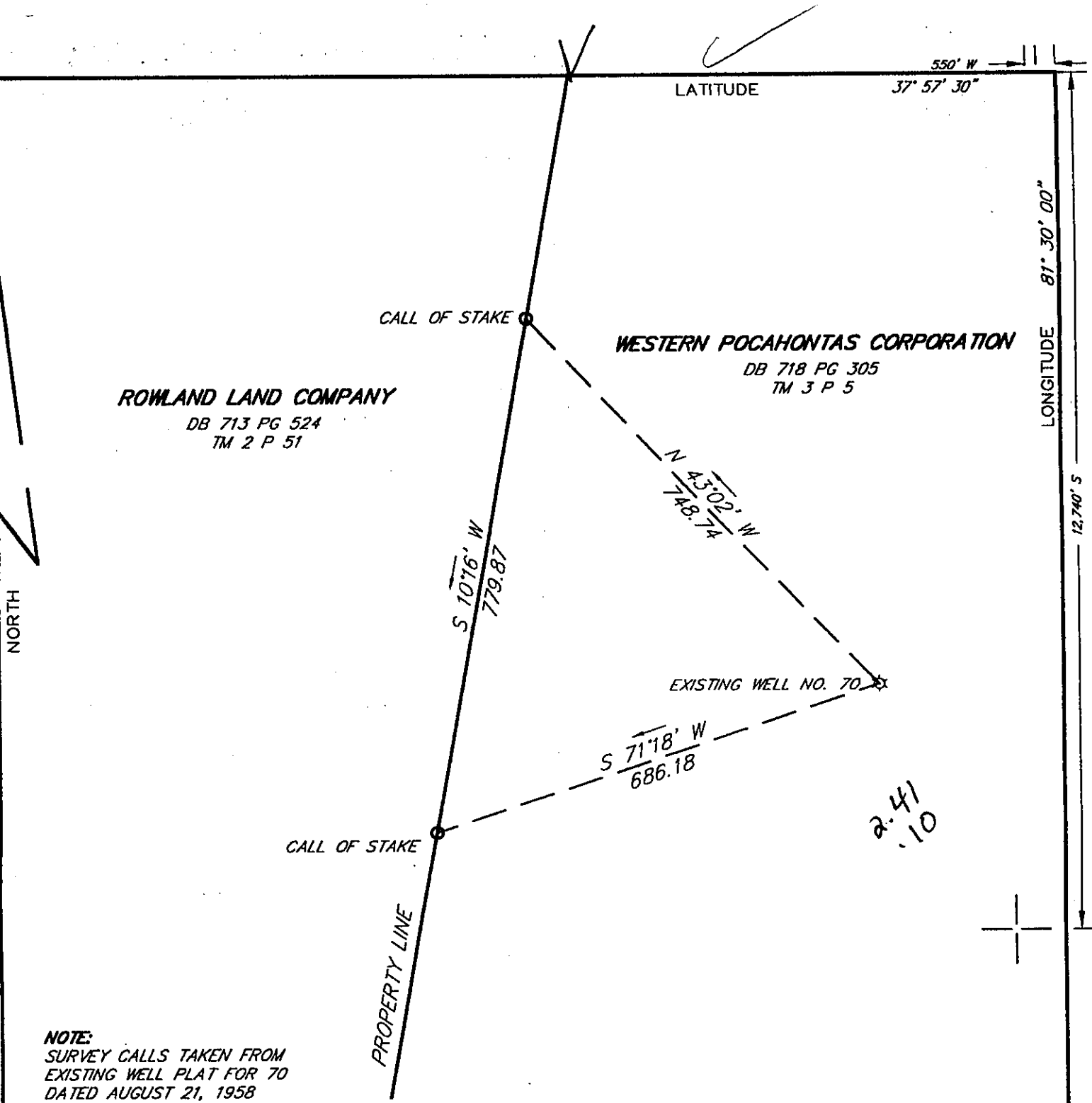
Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			885	980			
Slate			980	1027			
Sand			1027	1072			
Slate			1072	1079			
Sand			1079	1180			
Slate Shells			1180	1224			
Sand			1224	1252			
Slate - Shells			1252	1305			
Sand			1305	1324			
Slate Shells			1324	1506			
Sand			1506	1562			
Slate Shells			1562	1692			
Sand			1692	1843			
Slate Shells			1843	1938			
Sand			1938	2115			
Slate Shells			2115	2167			
Sand			2167	2233			
Slate Shells			2233	2242			
Sand			2242	2286			
Slate Shells			2286	2322			
Sand			2322	2332			
Slate Shells			2332	2337			
Sand			2337	2345			
Slate Shells			2345	2380			
Sand			2380	2437			
Slate Shells			2437	2447			
Sand			2447	2470			
Slate Shells			2470	2478			
Sand			2478	2483			
Slate Shells			2483	2596			
Red Rock			2596	2599			
Slate Shells			2599	2642			
Sand			2642	2648			
Slate Shells			2648	2725			
Red Rock			2725	2737			
Lime Shell			2737	2743			
Red Rock			2743	2795			
Sand			2795	2812			
Red Rock			2812	2830			
Sand			2830	2858			
Slate Shells			2858	3080			
Maxon Sand			3080	3107			
Lime			3107	3170			
Maxon Sand L. <i>lower?</i>			3170	3212			
Slate			3212	3228			
Lime Shell			3228	3290			
Pencil Cave			3290	3330			
Big Lime			3330	3665			
Injun Sand			3665	3675			
Slate Shells			3675	3713			
Weir Sand			3713	3800			
Slate			3810				
		Total	3810				

Date March 9, 1959

APPROVED Western Pocahontas Corporation, Owner

By John W. F. Rudnicki
(Title)

John W. F. Rudnicki, Engineer of Oil & Gas Properties.



NOTE:
SURVEY CALLS TAKEN FROM
EXISTING WELL PLAT FOR 70
DATED AUGUST 21, 1958

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 01125
DRAWING NO. _____
SCALE 1" = 200'
MINIMUM DEGREE OF
ACCURACY 1:2500
PROVEN SOURCE OF
ELEVATION EXISTING WELL PLAT 70
DATED AUGUST 21, 1958

I THE UNDERSIGNED, HEREBY CERTIFY THAT
THIS PLAT IS CORRECT TO THE BEST OF MY
KNOWLEDGE AND BELIEF AND SHOWS ALL THE
INFORMATION REQUIRED BY LAW AND THE REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENVIRONMENTAL PROTECTION.
(SIGNED) [Signature]
R.P.E. _____ I.L.S. 1956

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION



DATE DECEMBER 26, 20 01
OPERATOR'S WELL NO. DOROTHY 70
API WELL NO.

47 081 00228D
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___

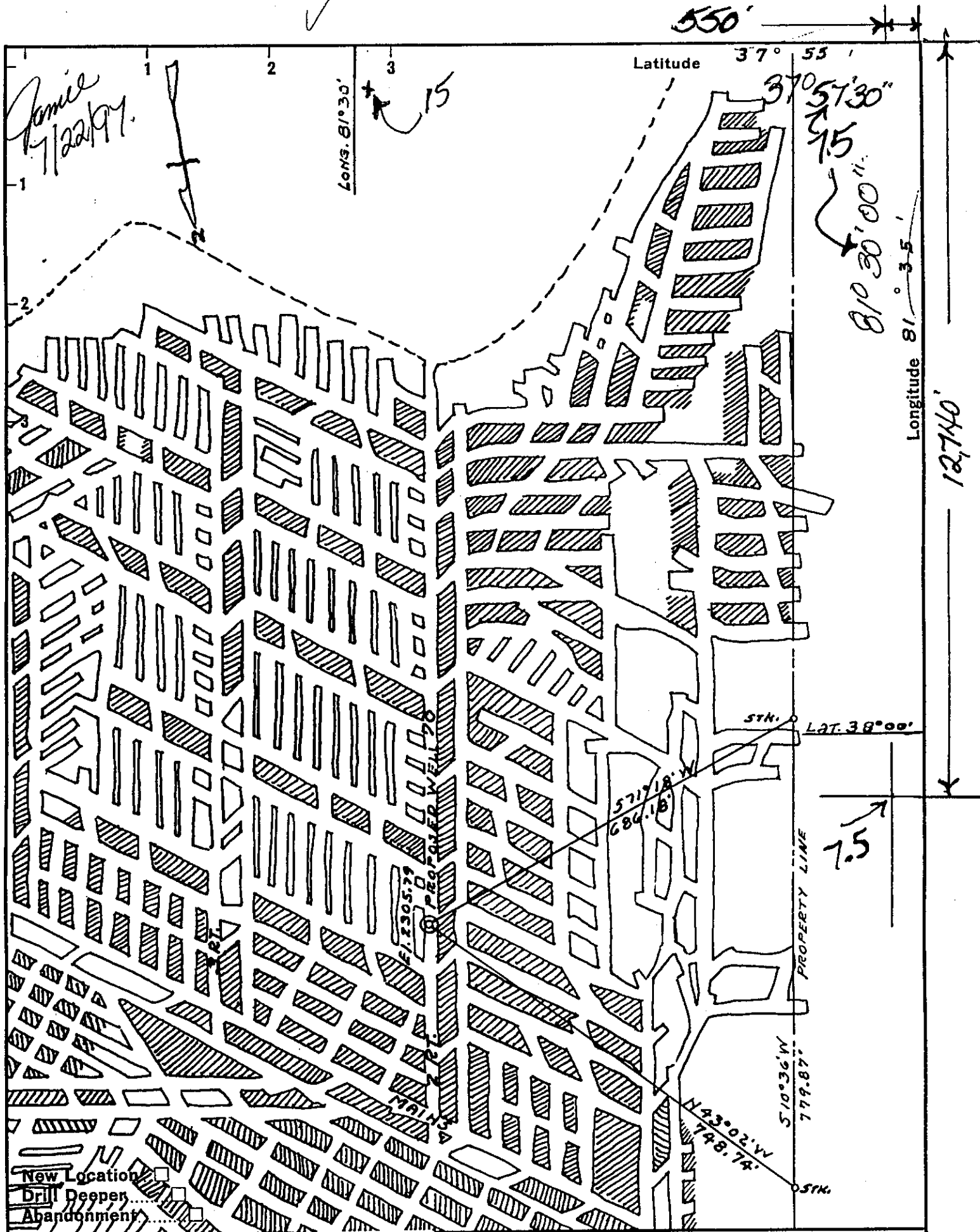
LOCATION: ELEVATION 2305.79 WATERSHED LITTLE MARSH FORK
DISTRICT MARSH FORK COUNTY RALEIGH
QUADRANGLE WHITESVILLE 7.5'

SURFACE OWNER WESTERN POCAHONTAS ACREAGE 1261.75
OIL & GAS ROYALTY OWNER ENERGEN RESOURCES MAQ ET. AL. LEASE ACREAGE 8273.0
LEASE NO. _____

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER X REDRILL ___ FRACTURE OR
STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION GORDON & BR. SHALE ESTIMATED DEPTH 6100 FT.
WELL OPERATOR NORTH COAST ENERGY EASTERN INC. DESIGNATED AGENT DAVID L. COX
ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8
RAVENSWOOD, WV 26164 RAVENSWOOD, WV 26164

COUNTY NAME RALEIGH
PERMIT 0228D



Peake Operating Company
 P.O. Box 8
 Ravenswood, wva, 26164-0008

Farm DOROTHY AND SARITA

Tract _____ Acres 82.73 Lease No. _____

Well (Farm) No. 3 Serial No. 70

Elevation (Spirit Level) 2305.79

Quadrangle BALD KNOB 15/Whitesville

County RALEIGH District MARSH FORK

Engineer Geo. H. Miller

Engineer's Registration No. 1892

File No. _____ Drawing No. _____

Date AUGUST 21 1958 Scale 1" = 200'

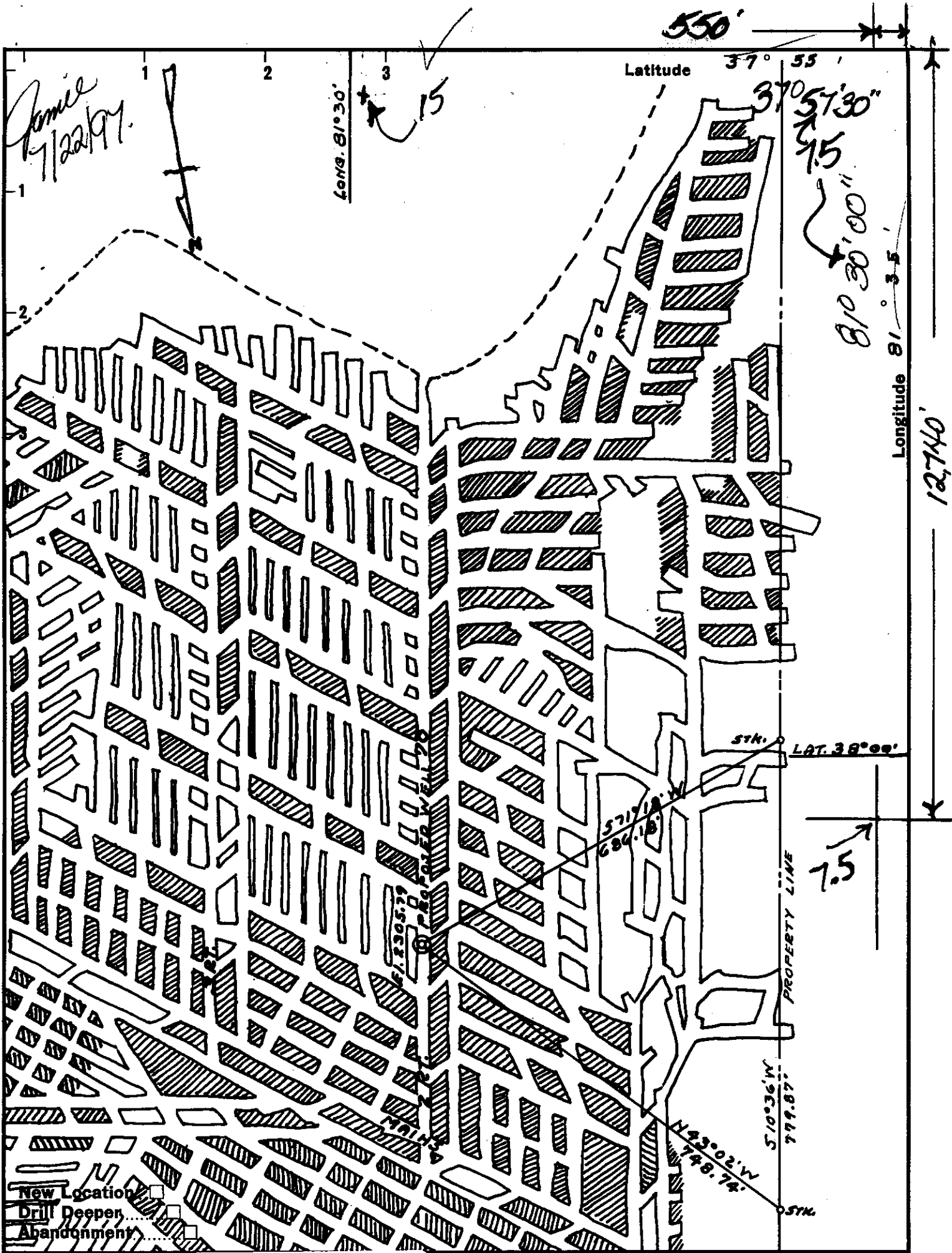
WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD
 NITRO, WEST VIRGINIA 25143-2506

PLUGGING CANCELLED
WELL LOCATION MAP

Well No. 47-081-00228-P
Well drilled by Western Soc.
T.D. 3810' Production from
New Peake Plugging

AUG 30 1999

RALEIGH
 0228-P
 CANCEL



Peake Operating Company
P.O. Box 8
Ravenswood, wva, 26164-0008

Farm DOROTHY AND SARITA

Tract _____ Acres 82.73 Lease No. _____

Well (Farm) No. 3 Serial No. 70

Elevation (Spirit Level) 2305.73

Quadrangle BALD KNOB 15/Whitesville

County RALEIGH District MARSH FORK

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WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

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Well No. 47-081-00228-P
Well drilled by Western Soc.
T.D. 3810' Production from
West Peake Pluging

JUL 25 1997