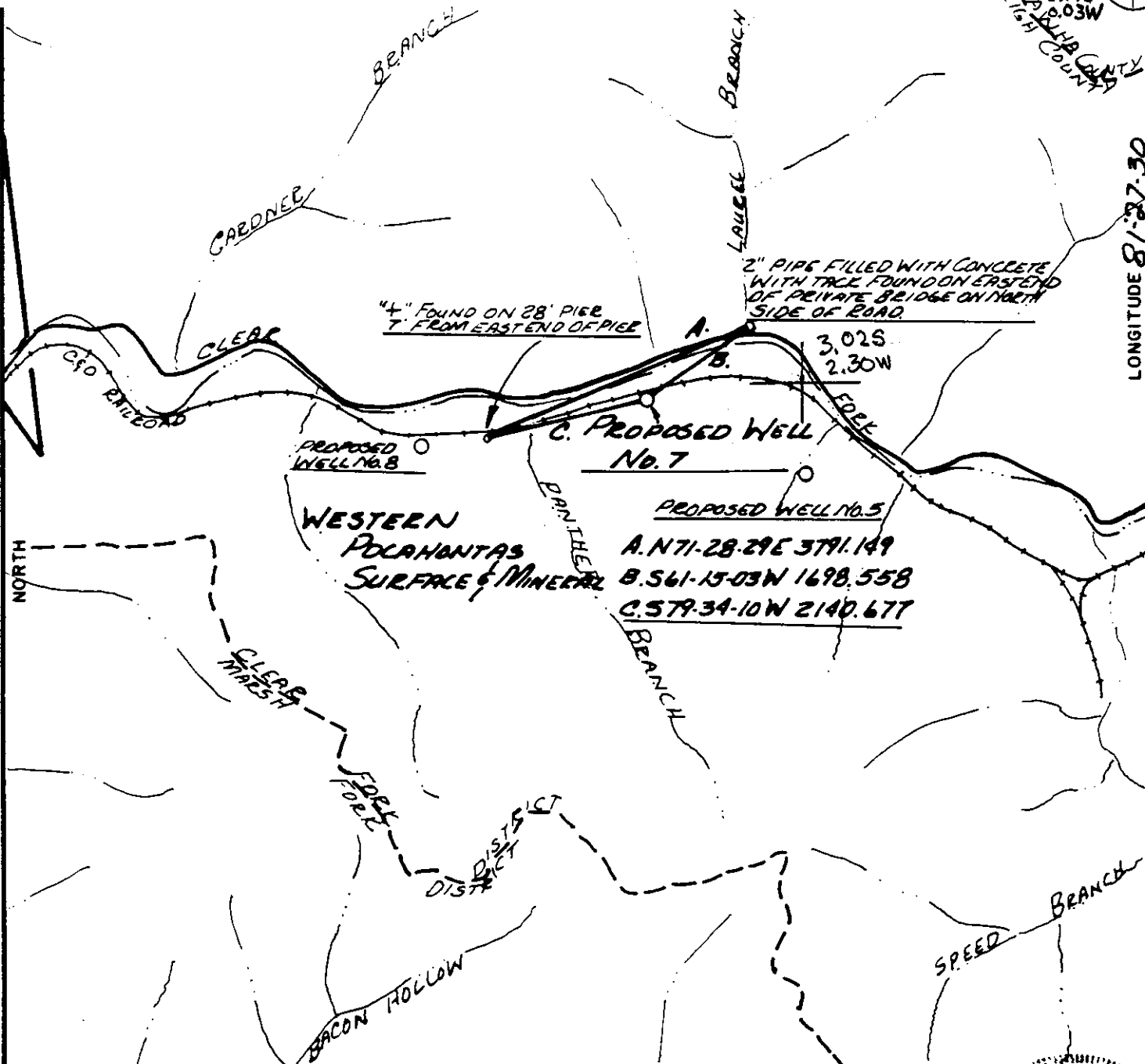


081 PMT: 645  
 Loc Digitized from OGIS 7.5' Mylar  
 QUAD: 325 DATE: 9-FEB-90  
 LAT: 37 57.5 Miles South: 0.13  
 LONG: 81 27.5 Miles West : 0.07

38°00'

LATITUDE 37.5730

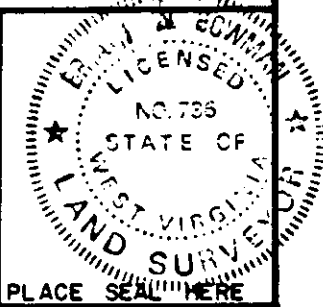
TOPO LOCATION 7.50  
 7 1/2  
 0.14S  
 0.03W



PROPOSED WELL No. 5  
 A. N71-28-29E 3791.149  
 B. S61-15-03N 1698.558  
 C. S79-34-10W 2140.677

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1-2000  
 MINIMUM DEGREE OF ACCURACY 1-5000  
 PROVEN SOURCE OF ELEVATION 817 999 EAST OF LOCATION

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Sydney Downman  
 R.P.E. \_\_\_\_\_ L.L.S. 736



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



Department of Mines  
 Oil & Gas Division

DATE 2/27, 1984  
 OPERATOR'S WELL NO. No. 7  
 API WELL NO. \_\_\_\_\_  
47 - 081 - 0645  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS", PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 1006 WATER SHED CLEAR FORK  
 DISTRICT CLEAR FORK 1 COUNTY RALEIGH  
 QUADRANGLE DOROTHY 7 1/2 ECCLES 15' NW1  
 SURFACE OWNER WESTERN POCAHONTAS CORP. ACREAGE \_\_\_\_\_  
 OIL & GAS ROYALTY OWNER WESTERN POCAHONTAS CORP. LEASE ACREAGE \_\_\_\_\_  
 LEASE NO. 31195  
 PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION DEVONIAN SHALES ESTIMATED DEPTH 480  
 WELL OPERATOR PEAKE OPERATING CO. DESIGNATED AGENT FLOYD WILCOX MAY 7 1984  
 ADDRESS 923 CHARLESTON NAT. PLAZA CHARLESTON, W.V.A. 669 ADDRESS 923 CHARLESTON NATIONAL PLAZA CHARLESTON, W.V.A.

V-35  
Rev 8-81



**RECEIVED**  
OCT 11 1985

**DIVISION OF OIL & GAS  
DEPT. OF ENERGY**

State of West Virginia

Department of Mines  
Oil and Gas Division

Date July 25, 1985  
Operator's  
Well No. Dorothy Sarita #7-ADS  
Farm  
API No. 47 - 081 - 0645

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil \_\_\_ / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production X / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow X /)

LOCATION: Elevation: 1006 Watershed Clear Fork  
District: Clear Fork County Raleigh Quadrangle Dorothy

COMPANY Peake Operating Company  
ADDRESS 423 Charleston National Plaza  
DESIGNATED AGENT Timothy K. Wilcox  
ADDRESS 423 Charleston National Plaza  
SURFACE OWNER Western Pocahontas Corp.  
ADDRESS P. O. Box 2827, Huntington, WV 25327  
MINERAL RIGHTS OWNER Western Pocahontas Corp.  
ADDRESS P. O. Box 2827, Huntington, WV 25327  
OIL AND GAS INSPECTOR FOR THIS WORK Arthur  
St. Clair ADDRESS Brenton, WV  
PERMIT ISSUED 5/3/84  
DRILLING COMMENCED 10/3/84  
DRILLING COMPLETED 10/13/84  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSON OBTAINED  
N/A

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.		20	2 sks
13-10"		62	2 sks
9 5/8		363	125 sks
8 5/8			
7		1192	200 sks
5 1/2			
4 1/2		4655	125 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 3800 feet  
Depth of completed well 4855 feet Rotary X / Cable Tools  
Water strata depth: Fresh 50 feet; Salt 500 feet  
Coal seam depths: None Is coal being mined in the area? NA

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 4288 - 4571 feet  
Gas: Initial open flow 4 Mcf/d Oil: Initial open flow \_\_\_ Bbl/d  
Final open flow commingled Mcf/d Final open flow \_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_ hours  
Static rock pressure \_\_\_ psig (surface measurement) after \_\_\_ hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Gordon Pay zone depth 2945-2958 feet  
Gas: Initial open flow 10 Mcf/d Oil: Initial open flow \_\_\_ Bbl/d  
Final open flow 1,905 commingled Mcf/d Oil: Final open flow \_\_\_ Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 1,125 psig (surface measurement) after 72 hours shut in

OCT 21 1985

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Devonian frac'd with 100 gallons 15% HCL; 1,790,000 SCFN<sub>2</sub> - perforated  
4288 - 4571 = 35 holes

Huron  
Gordon frac'd with 500 gallons 15% HCL; 15,000 80/100; 45,000# 20/40 - perforated  
2945 - 2953 = 26 holes

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	1000	Water: 45
Shale			1000	1062	85
Sand			1062	1150	140
Shale			1150	1172	400
Sand			1172	1190	588
Shale			1190	1220	
Sand			1220	1283	
Sand & Shale			1283	1750	
Maxton Sand			1750	1790	
Shale			1790	1810	
Big Lime			1810	2200	
Shale			2200	2250	
Sand			2250	2260	
Shale			2260	2320	
Weir Sand			2320	2400	
Sandy Shale			2400	2730	
Berea			2730	2875	3928 - no gas
Shale			2875	2945	
Gordon Shale			2945	2958	4855 - 2/10 1" W = 14,900 SCFN <sub>2</sub>
Shale			2958	4855	
TD				<u>4855</u>	

Huron@T.D.

(Attach separate sheets as necessary)

PEAKE OPERATING COMPANY  
Well Operator

By: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including



1) Date: March 16, 19 84  
 2) Operator's #7-ADS  
 Well No. \_\_\_\_\_  
 3) API Well No. 47-081-0645  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

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

**APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 1006 Watershed: Clear Fork  
 District: Clear Fork County: Raleigh Quadrangle: Dorothy
- 6) WELL OPERATOR Peake Operating Company 7) DESIGNATED AGENT Floyd B. Wilcox  
 Address Suite 423 Charleston National Plaza Address Suite 423 Charleston National Plaza  
Charleston, WV 25301 Charleston, WV 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Arthur St. Clair Name unknown  
 Address P.O. Box 157 Address \_\_\_\_\_  
Brenton, WV 24818
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate X /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 12) Estimated depth of completed well, 4860 feet
- 13) Approximate trata depths: Fresh, 50 feet; salt, 500 feet.
- 14) Approximate coal seam depths: none Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	13 3/8	H-40	48	X		300	300	to surface	Kinds
Fresh water									
Coal									Sizes
Intermediate	7	J-55	17	X		1175	1175	150 sacks as req. by rule 15.01	
Production	4 1/2	J-55	9.5	X		4850	4850	300 sacks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-081-0645 Date May 3, 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires May 3, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BLANKET</u>	Agent: <u>Lo</u>	Plat: <u>M4</u>	Casing	Fee <u>3499</u>
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*[Signature]*  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

File