

Amie 5/3/88

CO: 081 PMT: 818  
Loc Digitized from OGIS 7.5' Mylar  
QUAD: 325 DATE: 9-FEB-90  
LAT: 37 55.0 Miles South: 0.35  
LONG: 81 27.5 Miles West : 0.14

LATITUDE 37° 55' 00"

0.36  
2.37

REFERENCES

1" = 50'

0.365  
0.22

LONGITUDE 81° 27' 30"

8241.50 ACRES

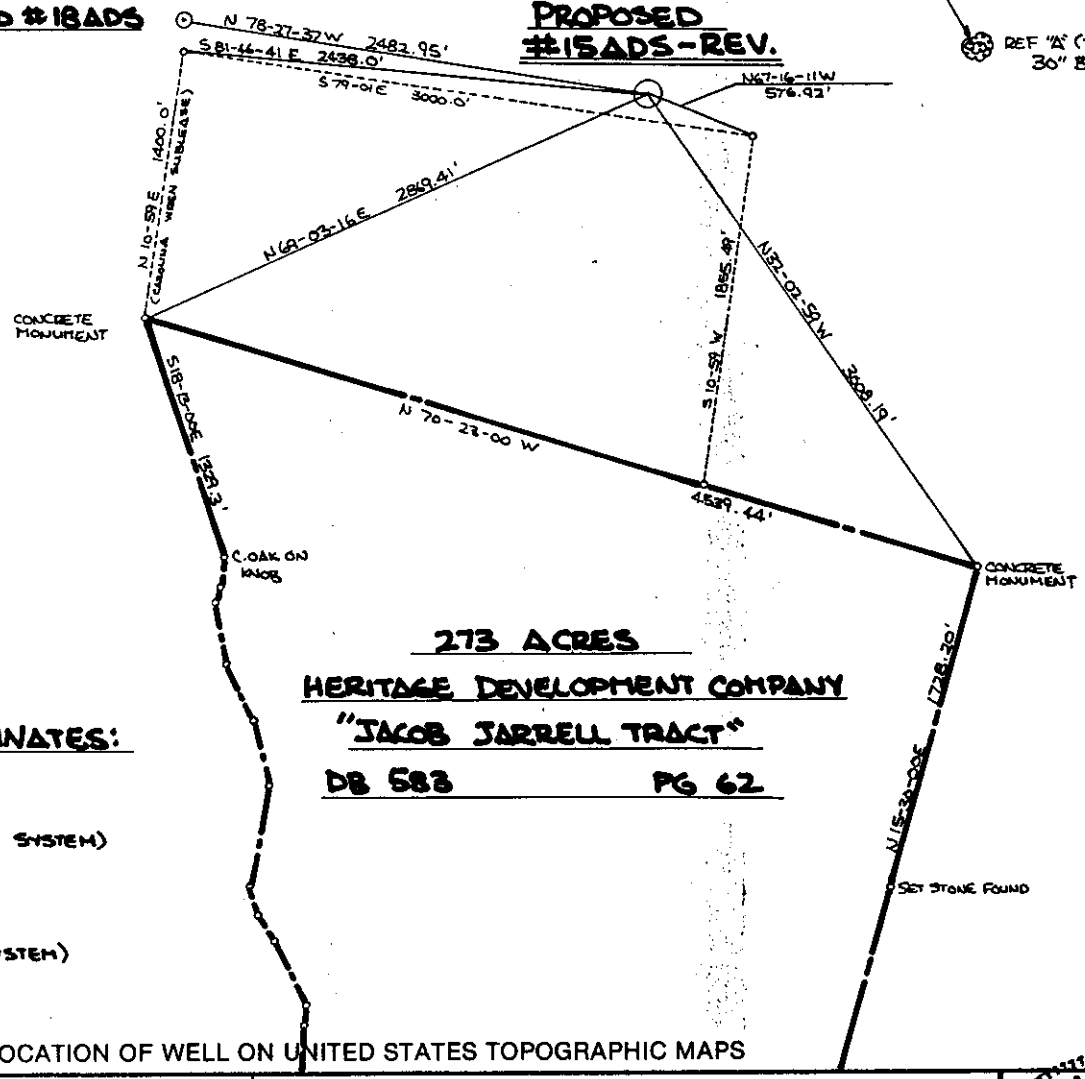
WESTERN POCAHONTAS PROPERTIES, LTD.

"DOROTHY - SARITA LANDS"

PROPOSED #18ADS

PROPOSED #15ADS-REV.

NORTH



273 ACRES

HERITAGE DEVELOPMENT COMPANY

"JACOB JARRELL TRACT"

DB 583 PG 62

COAL COORDINATES:

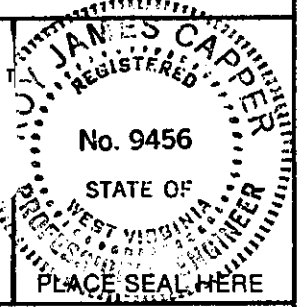
N 90785.70  
E 11442.67  
(CAROLINA WREN SYSTEM)

N -9216.30  
E 11442.67  
(BETHENERGY SYSTEM)

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

FILE NO. POCO81004  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 5000  
 PROVEN SOURCE OF ELEVATION BM AT MINE  
FACE ELEV. = 1841.47'

T CO: 081 PMT: 817  
 K Loc Digitized from OGIS 7.5' Mylar  
 IN QUAD: 218 DATE: 22-MAY-90  
 L LAT: 37 50.0 Miles South: 2.58  
 M LONG: 81 25.0 Miles West : 0.24  
 (SIGNED) James James Copper  
 R.P.E. 9456 L.L.S. \_\_\_\_\_



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE 13 APRIL 19 88  
OPERATOR'S WELL NO. DOROTHY #15ADS  
API WELL NO. REV.

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 2520.42 WATER SHED BRUSHY FORK OF LITTLE MARSH FORK  
 DISTRICT MARSH FORK 2 COUNTY RALEIGH  
 QUADRANGLE DOROTHY 7.5' 325 036 WCY 9ccled  
 SURFACE OWNER WESTERN POCAHONTAS PROPERTIES, LTD. ACREAGE 8241.50  
 OIL & GAS ROYALTY OWNER CSX MINERALS, INC. LEASE ACREAGE 8241.50  
 LEASE NO. 31/232

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 \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR PEAKE OPERATING COMPANY DESIGNATED AGENT TIMOTHY K. WILCOX  
 ADDRESS 423 CNB PLAZA ADDRESS 423 CNB PLAZA  
CHARLESTON, WV 25301 669 CHARLESTON, WV 25301

MAY 20 1988

COUNTY NAME

PERMIT

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DEC 06 1988

API # 47- 81-00818

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Well Operator's Report of Well Work

Farm name: WESTERN POCAHONTAS PROP. Operator Well No.: DOR/SARI 15ADS

LOCATION: Elevation: 2520.42 Quadrangle: DOROTHY

District: MARSH FORK County: RALEIGH  
Latitude: 1880 Feet South of 37 Deg. 55Min. 0 Sec.  
Longitude: 650 Feet West of 81 Deg. 27 Min. 30 Sec.

Company: PEAKE OPERATING COMPANY  
423 CHARLESTON NAT'L PLAZA  
CHARLESTON, WV

Asent: TIMOTHY K. WILCOX

Inspector: RODNEY G. DILLON  
Permit Issued: 05/18/88  
Well work Commenced: 09/14/88  
Well work Completed: 09/23/88  
Verbal Plussins  
Permission granted on:  
Rotary  Cable  Ris  
Total Depth (feet) 6025' KB (DTD)  
Fresh water depths (ft) 42  
Salt water depths (ft) None  
Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 738-742

Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8"	32	32	
3 5/8"	772	772	255 SKS
7"	2457	2457	380 SKS
4 1/2"	6012	6012	165 SKS
2 3/8"		5959	

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 5574-5954  
Gas: Initial open flow 0 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 211 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 92 hr a/trtmt Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation Gordan Pay zone depth (ft) 4247-4260  
Gas: Initial open flow 0 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 130 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 42 hr a/trtmt Hours  
Static rock Pressure Unknown psig (surface pressure) after \_\_\_\_\_ Hours

1850 Mcf PDF for well

(Continued on Back) →

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.

*Thomas S. Liberatore*

For: PEAKE OPERATING COMPANY

DEC 12 1988

By: Thomas S. Liberatore  
Date: December 5, 1988

Perforated Devonian Shale with 25 holes from 5574 to 5954' KB N<sub>2</sub> Frac: 1000 g 15% HCl, 1.7 MM N<sub>2</sub> at 70 MCF/Min with perf balls. BDP 1500\$, ATP 3000#, MTP 3250#, ISIP 2180#, 1775# A/15 Min

Perforated Gordan with 30 holes 4247-4260. 750A Foam frac using 500g 15% HCl, 420 MCFN<sub>2</sub>, 46,000# 20/50, 264 bbl fluid at 20 bbl/min. BDP 1195#, ATP 1000#, ISIP 2674#--screened out.

Perforated Weir with 28 holes, 3694-3706. 75Q Foam frac using 500g 15% HCl, 425 MCFN<sub>2</sub>, 15,000# 80/100, 40,400# 20/50, 329 bbl fluid at 24 bpm. BDP 1770#, ATP 1220#, ISIP 840#, 720# A/15 Min

Perforated Big Lime with 18 holes, 3331-3337. Acidized with 1000 gal 28% HCl, 10,000 gal gelled acid, 402 bbl total fluid. BDP 0, ATP 0, ISIP 0, 15 min SIP 0.

Sandstone	0	895
Shale	895	1465
Sand	1465	1520
Shale	1520	1690
Sand w/ Shale stringers	2690	2235
Shale w/ sand stringers	2235	2531
Avis Lime	2531	2514
Shale	2514	3045
Maxton	3045	3135
Shale	3135	3141
Big Lime	3141	3568
Injun Sand & Shale	3568	3687
Weir	3687	3721
Shale	3721	4038
Coffee Shale	4038	4055
Berea	4055	4090
Devonian Shale	4090	4245
Gordan	4245	4266
Shale	4266	5367
Lower Huron	5367	5945
Java	5945	6025
DTD	6025	
LTD	6035	

Fresh water at 42'  
No other major water zone found

Gas Checks

3132' N/S  
3425' 20/10 W2" = 189 MCFD  
3650' 18/10 W 2" = 179  
3875' 22/10 W 2" = 198  
4212' 19/10 W2" = 184  
4275' 19/10 W 2" = 184  
6025' 18/10 W 2" = 179

Open Flow Data (cont'd)

Big Lime  
IOF 189 MCFD  
FOF 660 MCFD 18 hr after trtmt  
SIP - Unknown

Weir

IOF 19 MCFD  
FOF 492 MCFD 39 hrs after trtmt  
SIP - Unknown

Commingled Test All Zones

Cleaned Up:

1850 MCFD (4 hr Open Flow)  
610# SIP (16 Days Shut-In)

**RECEIVED**  
DEC 06 1988

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

- 1) Well Operator: PEAKE OPERATING COMPANY 37100, 2, 325
2) Operator's Well Number: Dorothy-Sarita #15-ADS priced 3) Elevation: 2520'
4) Well type: (a) Oil / or Gas x /
(b) If Gas: Production x / Underground Storage / Deep / Shallow x /
5) Proposed Target Formation(s): Devonian Shale
6) Proposed Total Depth: 6100 feet
7) Approximate fresh water strata depths: 1410' ASL 1095' KB
8) Approximate salt water depths: 710' ASL 1800' KB
9) Approximate coal seam depths: 760' KB
10) Does land contain coal seams tributary to active mine? Yes / No x /
11) Proposed Well Work: Drill and stimulate.
12)

CASING AND TUBING PROGRAM

Table with 7 columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

PACKERS : Kind Sizes Depths set

RECEIVED MAY 02 1988

For Division of Oil and Gas Use Only DIVISION OF OIL & GAS DEPARTMENT OF ENERGY Fee(s) paid: Well Work Permit Reclamation Fund WPCP Plat WW-9 WW-2B Bond 500000 (Type) Agent

6803

**RECEIVED**  
MAY 02 1988

1) Date: May 2, 1988  
2) Operator's well number Dorothy-Sarita #15-ADS  
3) API Well No: 47 - 081 - 0818  
State - County - Permit

**DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY**

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Western Pocahontas Prop. Ltd.  
Address Box 2827 Ptnrship,  
Huntington, WV 25727
  - (b) Name Attn: Kevin Wall  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name Western Pocahontas Prop. Ltd. Ptnrship.  
Address Box 2827  
Huntington, WV 25727  
Name Attn: Kevin Wall  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name Prime Acre Land Corp., Attn: Tim Comer  
Address 7012 MacCorkle Ave., SE  
Charleston, WV 25304
- 6) Inspector Rodney Dillon  
Address Box 1526  
Sophia, WV 25921  
Telephone (304)- \_\_\_\_\_

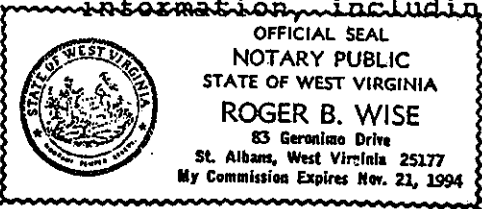
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
X 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)  
X 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 Peake Operating Company  
By: [Signature]  
Its: Vice President/General Manager  
Address 423 Charleston National Plaza  
Charleston, WV 25301  
Telephone (304) 342-6970

Subscribed and sworn before me this 2<sup>nd</sup> day of May, 19 88

[Signature] Notary Public  
My commission expires 21 Nov 1984