



1) Date: March 21, 19 85
 2) Operator's Well No. 32-AC
 3) API Well No. 47 - 081-0682
 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: 2100 Watershed: Branch of STEPHENS BRANCH
 District: TRAPHILL 7 County: RUELISH Quadrangle: Eccles 7.5 331
- 6) WELL OPERATOR Peake Operating Co 37100 Address 423 CHAS. NATIONAL PLAZA CHAS. WV 25301
- 7) DESIGNATED AGENT Timothy K. Wilcox Address SAME
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Rodney G. Dillon Address P.O. Box 30 Scarbro, WV 25917
- 9) DRILLING CONTRACTOR: Name UNKNOWN Address
- 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, BIG LIME
- 12) Estimated depth of completed well, 2788 feet
- 13) Approximate strata depths: Fresh, 50 feet; salt, 500? feet.
- 14) Approximate coal seam depths: 255, 560, 870 Is coal being mined in the area? Yes / No X
- 15) CASING AND TUBING PROGRAM

DEPT. OF MINES
OIL & GAS DIVISION

APR 12 1985

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	16	H-40	48#	X		30	30	CTS	Kinds
Fresh water									
Coal	9 5/8	H-40	36#	X		620	620	CTS	Sizes
Intermediate	7"	J-55	17#	X		1118	1118	300 Sks CTS BY RULE 15.01 300 Sks CTS required by rule 15.01	
Production	4 1/2	J-55	9.5#	X		2758	2758		
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-081-0682

Date April 30, 19 85

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 April 30 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>111</u>	<u>SW</u>	<u>mx mn</u>	<u>4440</u>	<u>4299</u>

Margaret J. Hasse
 Administrator, Office of Oil and Gas

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

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File 11/10/2023

Field
Reviewed

IV-9
(Rev 8-81)



State of West Virginia
Department of Mines
Oil and Gas Division

DATE _____
WELL NO. 32-AC
API NO. 017-081-0682

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME PEAKE OPERATING CO. DESIGNATED AGENT TIMOTHY K. WILCOX
Address 423 CNB PLAZA Address 423 CNB PLAZA
Telephone (304) 342-6970 Telephone (304) 342-6970
LANDOWNER LAKE STEPHENS TOURIST DEV. SOIL CONS. DISTRICT SOUTHERN
Revegetation to be carried out by COMPANY CONTRACTOR (Agent)

This plan has been reviewed by SOUTHERN SCD. All corrections and additions become a part of this plan: _____

4-10-85
(Date)
Gary W. Boschain
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>ACCESS ROAD</u> (A) TO BE BUILT Spacing <u>+ 300' 0-2% GRADE</u> Page Ref. Manual <u>2-14</u>	Structure <u>DRILLING PIT</u> (1) Material <u>EARTHEN & LINED</u> Page Ref. Manual <u>N/A</u>
Structure <u>CROSS DRAINS</u> (B) Spacing <u>ONE PER 200'</u> Page Ref. Manual <u>TABLE 1, PG 2-4</u>	Structure <u>SEDIMENT BARRIER</u> (2) Material <u>HAY BALES</u> Page Ref. Manual _____
Structure <u>DRAINAGE DITCH</u> (C) Spacing <u>EARTHEN</u> Page Ref. Manual <u>2-12</u>	Structure _____ Material _____ Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. ^{ADL} commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

RECEIVED
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OIL & GAS DIVISION
DEPT. OF MINES

REVEGETATION

Treatment Area I
Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch HAY 2.0 Tons/acre
Seed* KY. 31 TALL FESCUE 30 lbs/acre
ANNUAL RYEGRASS 10 lbs/acre
WHITE CLOVER 3 lbs/acre

Treatment Area II
Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch HAY 2.0 Tons/acre
Seed* KY. 31 TALL FESCUE 30 lbs/acre
ANNUAL RYEGRASS 10 lbs/acre
WHITE CLOVER 3 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

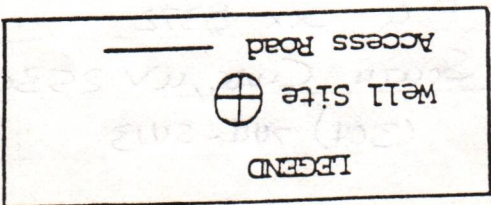
PLAN PREPARED BY MICHAEL E. UHL 11/10/2023

ADDRESS P.O. Box 8372
SOUTH CHAR, WV 25303
PHONE NO. (304) 744-5413

NOTES: Please request landowner's cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.

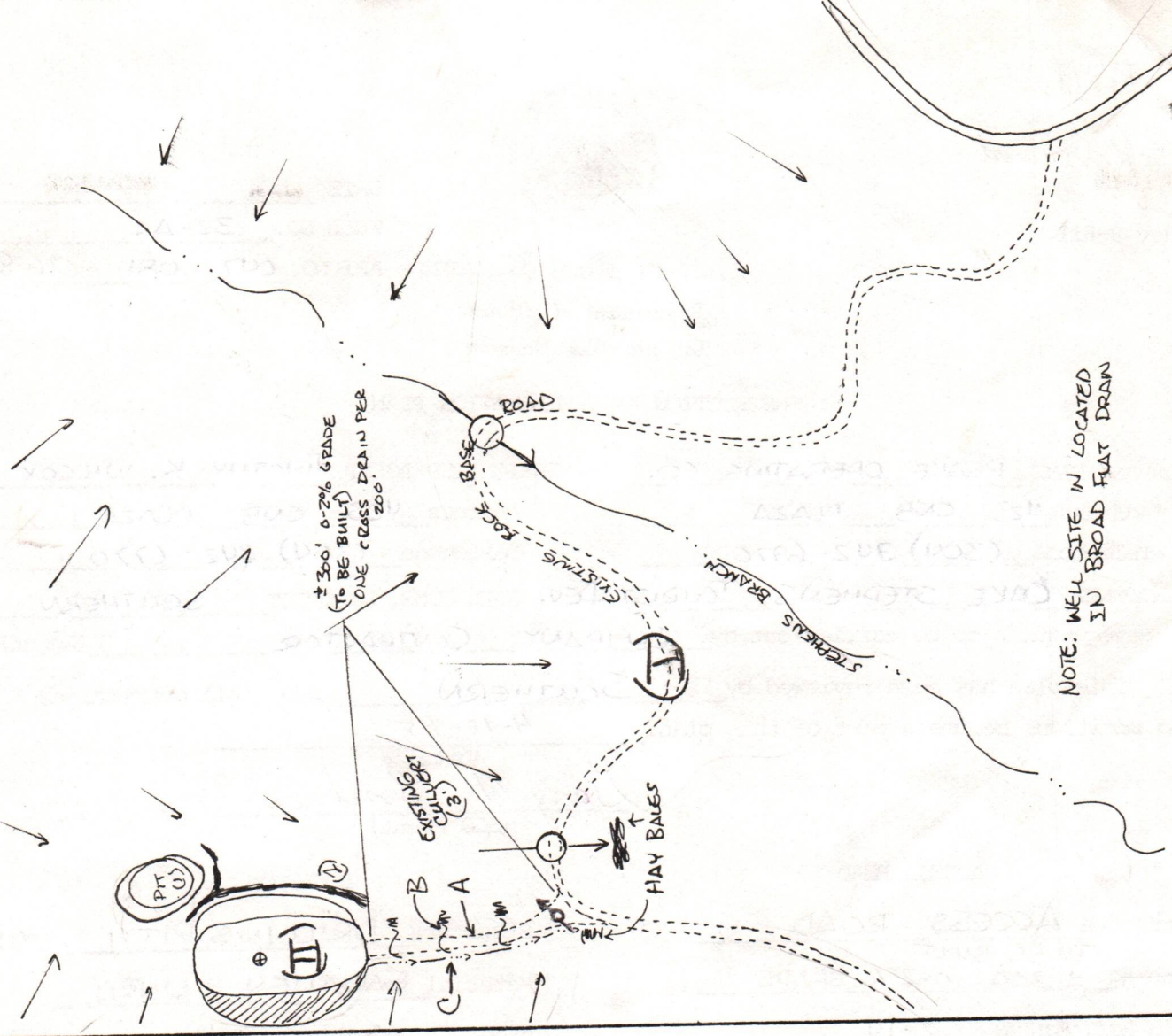
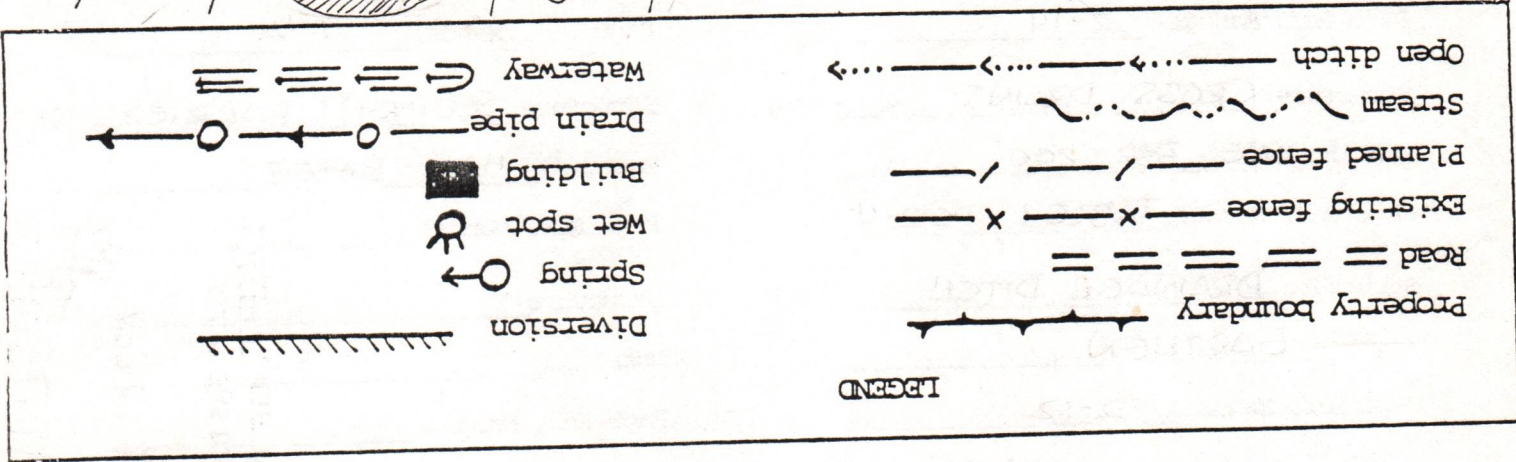
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE ECLES 7 1/2'

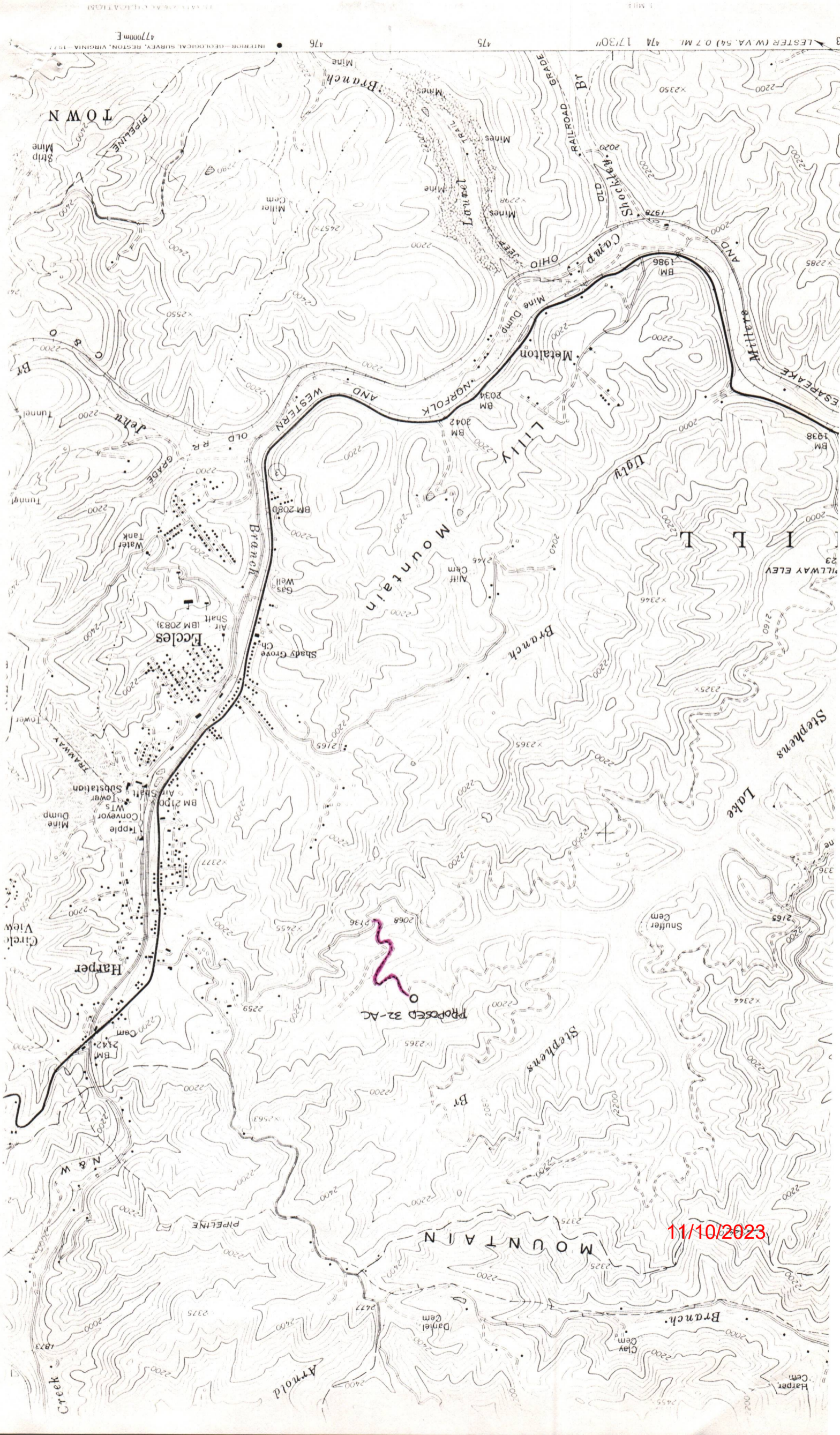
11/10/2023



WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well site, drilling pits and necessary structures numbered or lettered to correspond with the figure part of this plan. Include all natural drainage.





11/10/2023

PROPOSED 32-AC

477000m E

476

475

1730'

474 0.7 MI

LESTER (W VA 54) 0.7 MI

TOWN

Branch

OHIO

Camp

AND

ESCAPE

WESTERN

AND

NORFOLK

Metalton

Branch

Ugly

AND

ESCAPE

Lilly

Mountain

Branch

Ugly

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ESCAPE

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1) Date: MARCH 21, 1985
2) Operator's Well No. CRAB ORCHARD 32-11
3) API Well No. 47-081-0682
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

- (i) Name LAKE STEPHENS TOURIST DEVELOPMENT AUTH.
Address P.O. DRAWER AN Beckley, WV. 25801
- (ii) Name Att: ARTHUR P. SANDER
Address _____
- (iii) Name _____
Address _____

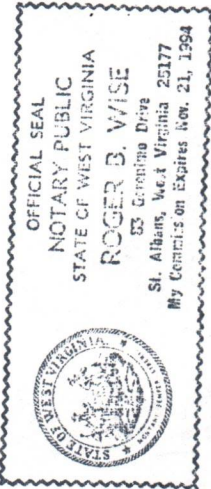
- 5(i) COAL OPERATOR Westmoreland Coal Company
Address LANE, WV. 25933
Att: RANDY HANSTARD
- 5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name CRAB ORCHARD COAL & HARD COMPANY
Address P.O. Box 443 CHARLESTON, WV, 25322
Name Att: Richard Gregg
Address _____
- 5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name Westmoreland Coal Company
Address LANE, WV. 25933
Att: RANDY HANSTARD

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.



6) EXTRACTION RIGHTS

- Check and provide one of the following: ON File with State
- Included in the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

MOTHY K Wilcox
this 21 day of MARCH, 1985.
My commission expires Nov 21, 1994.

James P. ...
Notary Public, KANAWHA County,
State of WEST VIRGINIA

WELL OPERATOR PEACE OPERATING COMPANY
By [Signature]
Its LAND MANAGER
Address 423 CHAS. NATIONAL PLAZA CHARLESTON, WV. 25301
Telephone 342-6970

DEPT. OF MINES
OIL & GAS DIVISION
RECEIVED
APR 12 1985

11/10/2023

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii; iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that—

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
Crab Orchard Coal & Land Co.	PEAKE OPERATING Co.	1/8	46/772

P 450 424 150
 Crab Orchard #32-AC
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982

Sent to Mr. Randy Hansford Westmoreland Coal Co.	
Street and No. Winding Gulf Division	
P.O., State and ZIP Code Tams, WV 25933	
Postage	\$ 56
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	70
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 201
Postmark or Date	STON, WV 10 10 82

P 450 424 161
 Crab Orchard #32-AC
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982

Sent to Lake Stephens Dev. Auth.	
Street and No. P. O. Drawer AN	
P.O., State and ZIP Code Beckley, WV 25801	
Postage	\$ 56
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	70
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 201
Postmark or Date	STON, WV 10 10 82

P 450 424 160
 Crab Orchard #32-AC
 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. Rick Gregg Crab Orchard Coal & Land	
Street and No. Rm. 519, 240 Capitol St.	
P.O., State and ZIP Code Charleston, WV 25301	
Postage	\$ 56
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	70
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 131
Postmark or Date	STON, WV 10 10 82

PS Form 3800, Feb. 1982

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 11/10/2023
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OIL & GAS DIVISION
 DEPT. OF MINES

RECEIVED
SEP 30 1985

DIVISION OF OIL & GAS
DEPT. OF ENERGY



State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date September 18, 1985
Operator's
Well No. Crab Orchard #32-AC
Farm _____
API No. 47-081-0682

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: 2100 Watershed Stephens Branch
District: Trap Hill County Raleigh Quadrangle Eccles 7.5

COMPANY Peake Operating Company
ADDRESS Suite 423, Charleston National Plaza
DESIGNATED AGENT Timothy K. Wilcox
ADDRESS Suite 423 Charleston National Plaza
SURFACE OWNER Lake Stephens Tourist Auth.
ADDRESS P. O. Drawer AN, Beckley, WV 25801
MINERAL RIGHTS OWNER Crab Orchard Coal & Land
ADDRESS P. O. Box 443, Charleston, WV
OIL AND GAS INSPECTOR FOR THIS WORK Rodney
Dillon ADDRESS Scarbro, WV
PERMIT ISSUED 4/30/85
DRILLING COMMENCED 8/12/85
DRILLING COMPLETED 8/18/85

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	10	10	2 sacks
9 5/8	629	629	205 sacks
8 5/8			
7	1138	1138	180 sacks
5 1/2			
4 1/2		2725	150 sacks
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

GEOLOGICAL TARGET FORMATION Big Lime Depth 2502 feet
Depth of completed well 2753 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 400 feet; Salt _____ feet
Coal seam depths: _____ Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Maxton Pay zone depth _____ feet
Gas: Initial open flow 58 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 Big Lime Pay zone depth 11/10/2023 feet
Gas: Initial open flow 13 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 440 Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 480 psig (surface measurement) after 12 hours shut in

(Continue on reverse side)

RAL 0682

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

- 9/13/85 - perforated the Big Lime 2619 - 2633 with 26 holes - Dowell acidized - used 1000 gallons 28% HCL, 8000 gallons DG gelled 15% - BDP 1100# - ATP 400# - ISIP 350# - after 15 minutes 250# - flushed with 100 bbl's water.
- 9/16/85 - perforated Lower Maxton 2268 - 2320 with 56 holes - set W-1 plug at 2350' - Dowell used 75Q foam - used 1000 gallons 15% HCL - 15,000 80/100 - 45,000# 20/50 - 423,000 SCFN₂, - total fluid 313 bbl's - BDP 1550# - ATP 1350# - ISIP 1125# - after 15 minutes 950#.

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	1170	Water 400' - 25gpm
Shale			1170	1275	
Sand			1275	1338	
Shale			1338	1416	
Sand & Shale			1416	1472	
*Ravencliff Sand			1472	1520	
*Avis Lime			1520	1547	Gas Checks:
Shale (red)			1547	1600	1426 - n/s
Shale & Sand Streaks			1600	2200	1527 - n/s
Shale & Lime Streaks			2200	2270	2253 - n/s
Shaly Sand			2270	2338	2353 - 58,000 cf
Shale			2338	2380	2503 - 26,000 cf (32,000decr.)
*Little Lime			2380	2450	2628 - 36,500 cf (10,500 incr.)
Shale			2450	2502	TD - 39,500 (3,000 incr)
*Big Lime			2502	TD	
*E-log Tops					
DTD - 2752					
LTD - 2751					

(Attach separate sheets as necessary)

Peake Operating Co.
Well Operator

By: Thomas J. Liberato 11/10/2023
Date: Sept. 18, 1985

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 coal, encountered in the drilling of a well."

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

RECEIVED
AUG 19 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

INSPECTOR'S WELL REPORT

Permit No. 081-0682

Oil or Gas Well _____
(KIND)

Company <u>Peake</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Charleston</u>	Size			
Farm <u>LAKE STEPHENS DEV.</u>	16			Kind of Packer _____
Well No. <u>32 AC</u>	13			
District <u>TRAP HILL</u> County <u>RALEIGH</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>9 5/8</u> SIZE <u>6 3/4</u> No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>Dowell</u>			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Keen Rig # 2

Remarks: RUN 630' 9 5/8 CASING CEMENT TO SURFACE WITH 205 SKS. 10EAT.

8/15/85
DATE

R. Dillon 11/10/2023
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

DEPARTMENT OF ENERGY
DIVISION OF OIL & GAS
Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location		Amount	Packer	Location		
	PLUGS USED AND DEPTH PLACED				BRIDGES		CASING AND TUBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR
11/10/2023

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

RECEIVED
AUG 19 1985

INSPECTOR'S WELL REPORT
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Permit No. 081-0662

Oil or Gas Well _____
(KIND)

Company <u>PEAKE</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>Charleston</u>	Size		
Farm <u>Lake Stephens Dev.</u>	16			Kind of Packer _____
Well No. <u>32 HC</u>	13			Size of _____
District <u>Trap Hill</u> County <u>Raleigh</u>	10			Depth set _____
Drilling commenced <u>8-12-85</u>	8 1/4			Perf. top _____
Drilling completed _____ Total depth _____	6 5/8			Perf. bottom _____
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Keen Rig #2

Remarks: Drilling on Air Soap Hole At 210' (1 3/4 hole

8/13/85
DATE

R. Dellon
11/10/2023
DISTRICT WELL INSPECTOR

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT**

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR
11/10/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS WELLS DIVISION

RECEIVED
AUG 28 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

INSPECTOR'S WELL REPORT

Permit No. 081-0682

Oil or Gas Well _____
(KIND)

Company Peake
 Address Charleston
 Farm LAKE Stephens Dec.
 Well No. 32 AC
 District Trap Hill County Raleigh
 Drilling commenced _____
 Drilling completed 8-17-85 Total depth 2753
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Kind of Packer
16			
13			Size of
10			
8 1/4			Depth set
6 5/8			
5 3/16			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED @ 4 1/2 SIZE 2740 No. FT. _____ Date _____
 NAME OF SERVICE COMPANY Dowell
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names Keen Big #2

Remarks:
8-17 TD Hole 2753'
Run 4 1/2

8/20/85
DATE

R. L. Dutton
11/10/2023
DISTRICT WELL INSPECTOR

IR-26

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

11/10/2023

DISTRICT WELL INSPECTOR

API# 47 081-0682

LIST ALL VISITS FOR THIS PERMIT

Keon Drilling Rig 2

	DATE	TIME	PURPOSE	COMMENTS
1	7-18		Building location	
2				
3	8-13		soap hole at 510'	
4				
5	8-15		Run 630' 9 5/8 ODS 205 sps.	
6				
7	11-26		location reclaimed SCS liming site	
8				
9	4-25		location Seeded	
10				
11	5-14		Not Ready for Release	
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

INSPECTOR'S PERMIT SUMMARY FORM

4-30-85

WELL TYPE gas
ELEVATION 2100
DISTRICT Trap Hill
QUADRANGLE Eccles
COUNTY Raleigh

API# 47- 081 - 0682
OPERATOR Peake
TELEPHONE _____
FARM Lake Stephens Dam
WELL # 32-AC

SURFACE OWNER Lake Stephens COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____

DATE STARTED _____
LOCATION 7/85 NOTIFIED No DRILLING COMMENCED 8-12-85

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING

Ran 630 feet of 9 5/8 "pipe on 8-15 with CTS fill up
Ran 2730 feet of 4 1/2 "pipe on 8-17 with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up

TD 2753' feet on 8/17/85

DEPARTMENT OF ENERGY
OIL AND GAS

PLUGGING

JUN 2 1986

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____

Field analysis ph _____ fe _____ cl _____

Well Record received _____

Date Released 5-29-86

R. Dutton 11/10/2023
Inspector's signature

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	<u>47 - 081 - 0682</u>				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>107</u> Section of NGPA		<u>6</u> Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	<u>2753</u> feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>PEAKE OPERATING COMPANY</u> Name			Seller Code	
	<u>423 CHARLESTON NATIONAL PLAZA</u> Street				
	<u>CHARLESTON</u> City	<u>W. VA.</u> State	<u>25301</u> Zip Code		
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<u>TRAP HILL DISTRICT</u> Field Name				
	<u>ROLEIGH</u> County	<u>WV</u> State			
(b) For OCS wells:	Area Name		Block Number		
	Date of Lease: Mo. Day Yr.			OCS Lease Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>CRAB ORCHARD #32-AC</u>				
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<u>MAXTON</u>				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>N/A</u>			Buyer Code	
(b) Date of the contract:	Mo. Day Yr.				
(c) Estimated total annual production from the well:	<u>20</u> Million Cubic Feet				
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>N/A</u>	---	---	---
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>6.048</u>	<u>0.756</u>	---	<u>6.804</u>
9.0 Person responsible for this application:	<u>Timothy K. Wilcox</u> Name				
	<u>Timothy K. Wilcox</u> Signature			<u>Land Manager</u> Title	
	<u>SEPTEMBER 24, 1985</u> Date Application is Completed			<u>(304) 342-6970</u> Phone Number	

Agency Use Only
Date Received by Juris. Agency OCT - 3 1985
Date Received by FERC

1/10/2023

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: SEPTEMBER 24, 1985

AGENCY USE ONLY

Applicant's Name: PEAKE OPERATING COMPANY

WELL DETERMINATION FILE NUMBER

Address: 423 CHARLESTON NATIONAL PLAZA

851003 -1076-081-0682

CHARLESTON, WEST VIRGINIA 25301

Use Above File Number on all
Communications Relating to This Well

Purchaser Contract No. N/A

Date of Contract N/A
(Month, day and year)

Designated Agent: Timothy K. Wilcox

First Purchaser: N/A

Address: 423 Charleston National Plaza

Address: _____
(Street or P.O. Box)

Charleston, West Virginia 25301

(City) (State) (Zip Code)

FERC Seller Code _____

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: Timothy K. Wilcox Land Manager
(Print) (Title)

Signature: [Signature]

Address: 423 Charleston National Plaza
(Street or P.O. Box)

Charleston, West Virginia 25301
(City) (State) (Zip Code)

Telephone: (304) 342-6970
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

PA SECTION/SUBSECTION

2 New Natural Gas

- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

108 Stripper Well Natural Gas

- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

3 New Onshore Production Well

- 103 New Onshore Production Well

7 High Cost Natural Gas

- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED

11/10/2023

RECEIVED
OCT - 3 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

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

Date SEPTEMBER 24, 1985

Operator's Well No. CRAIG ORCHARD #32-AC

API Well No. 47 - 081 - 0682
State County Permit

WELL CLASSIFICATION FORM
HIGH COST GAS WELL—NEW TIGHT FORMATION

NGPA Section 107

DESIGNATED AGENT Timothy K. Wilcox
ADDRESS Suite 423 Charleston National Plaza

Charleston, WV 25301

WELL OPERATOR Peake Operating Co.

LOCATION: Elevation 2100'

ADDRESS Suite 423 Charleston National Plaza Watershed STEPHENS BRANCH
Charleston, WV 25301

Dist TROPHILL County ROLEIGH Quad. ECCL57.5'

GAS PURCHASER N/A

Gas Purchase Contract No. N/A

ADDRESS _____

Meter Chart Code _____

Date of Contract N/A

* * * * *

Date surface drilling began: AUGUST 12, 1985

Indicate the bottom hole pressure of the well and explain how this was calculated.

$BHP = Pe (GD/53.34 T)$

P = Wellhead Pressure = 350

G = Specific Gravity = .58

D = Depth to Midpoint of Perforations = 2294

T = Average Temperature (K°) = 541°

BHP = 366.5

AFFIDAVIT

I, Timothy K. Wilcox, having been first sworn according to law, state that, surface drilling of the well for which this determination is sought was begun on or after July 16, 1979, the gas is being produced from a designated tight formation and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.

Timothy K. Wilcox

STATE OF WEST VIRGINIA,

COUNTY OF KANAWHA, TO WIT:

I, ROGER PRITT, a Notary Public in and for the state and county aforesaid, do certify that TIMOTHY K. WILCOX whose name is signed to the writing above, bearing date the 24TH day of SEPTEMBER, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 24TH day of SEPTEMBER, 1985.

My term of office expires on the 17TH day of OCTOBER, 1985.

Roger Pritt
Notary Public

[NOTARIAL SEAL]

11/10/2023

McCullough

BOND CEMENT AND/OR SONIC SEISMOGRAM LOG

GAMMA RAY

FILING NO.

COMPANY PEAKE OPERATING COMPANY

WELL # 32-AC

FIELD TRAP HILL DISTRICT

COUNTY RALEIGH STATE WV

LOCATION

ECCLES 7.5'

OTHER SERVICES

SEC. TWP RGE.

ELEVATIONS:

KB 2103'

DF

GL 2100'

PERMANENT DATUM GROUND LEVEL ELEV 2100'

LOG MEASURED FROM K.B. 1' ABOVE P.D.

DRILLING MEASURED FROM K.B.

DATE 9-13-85

RUN NO. ONE

TYPE LOG GAMMA RAY/BOND CEMENT

DEPTH - DRILLER 2753'

DEPTH - LOGGER 2640'

BOTTOM LOGGED INTERVAL 2640'

TOP LOGGED INTERVAL 900'

TYPE FLUID IN HOLE WATER

SALINITY PPM CL. -

DENSITY LB /GAL. -

LEVEL FULL

MAX REC. TEMP. DEG. F. -

OPR RIG TIME 2 HRS.

RECORDED BY G. ATKINS

WITNESSED BY MR. LIBERATORE

DISTRICT: BUCKHANNON

RUN NO	BORE HOLE RECORD				CASING RECORD			
	BIT	FROM	TO	SIZE	WGT	FROM	TO	
ONE	6 1/2"	1118'	2753'	7"	17#	SURF.	1118'	
				4 1/2"	10.5#	SURF.	T.D.	

THIS HEADING AND LOG CONFORMS TO A.S.I. RECORDING PRACTICES

FOLD HERE

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

RECEIVED
NOV 1 1995

2200

Lower Plaster

8 HOLES

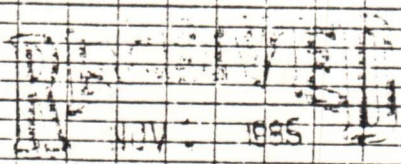
16 HOLES

20 HOLES

20 HOLES

2300

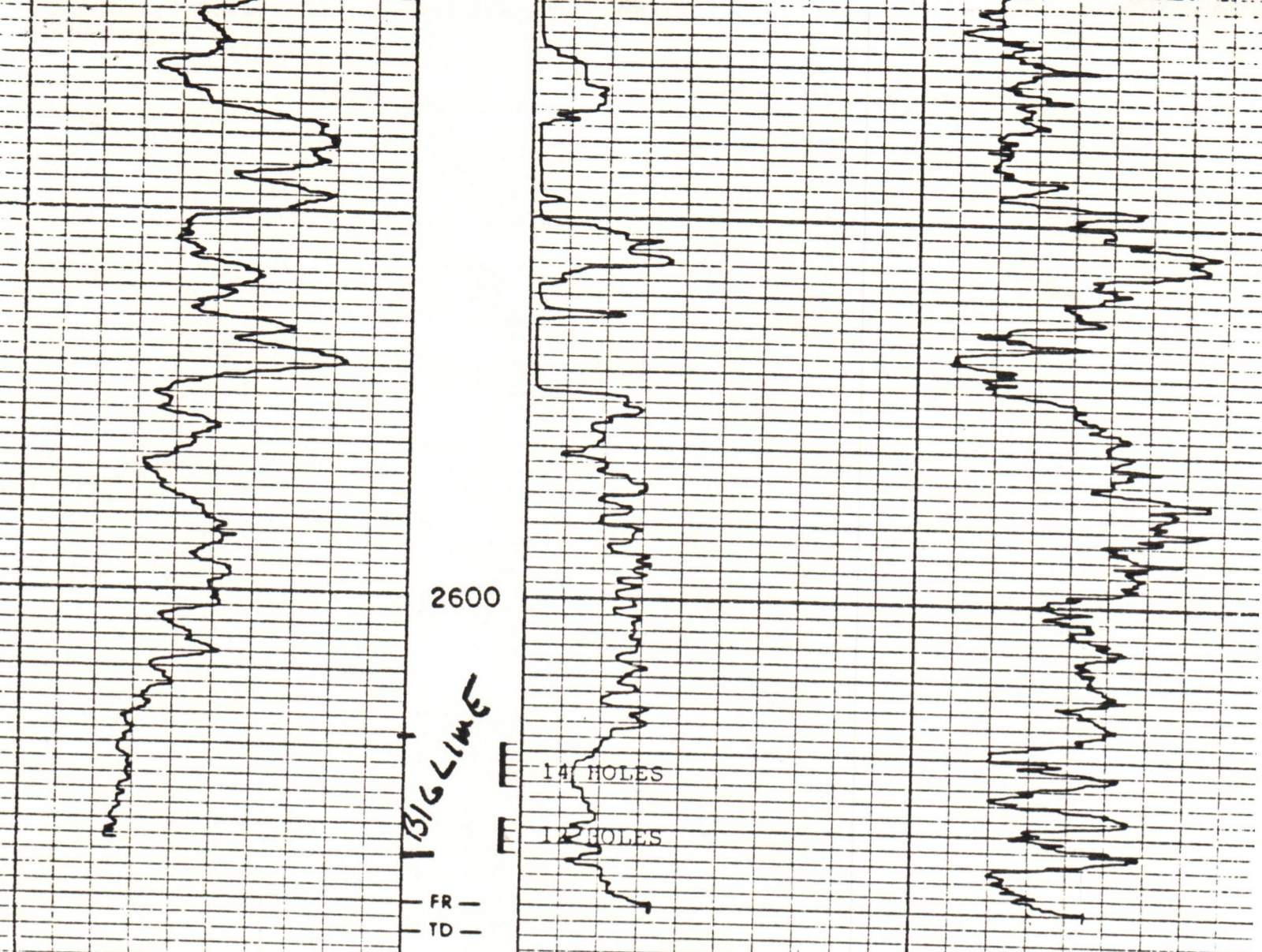
FRAC PLUG @ 2350'



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

2400

11/10/2023



2600

BIG LIME

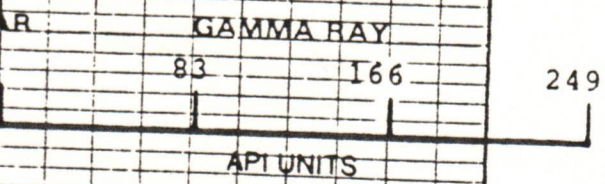
14 HOLES

12 HOLES

FR
TD

RECEIVED
NOV 1995
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

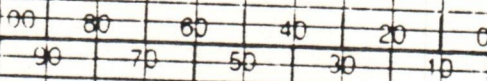
REPEAT SECTION



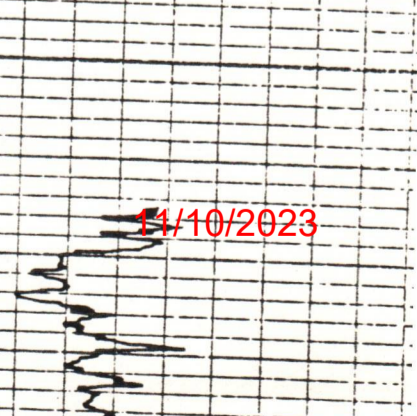
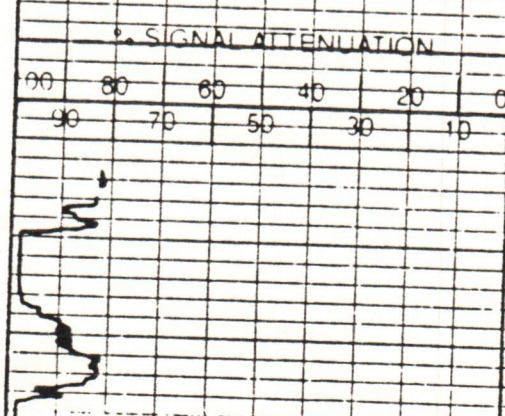
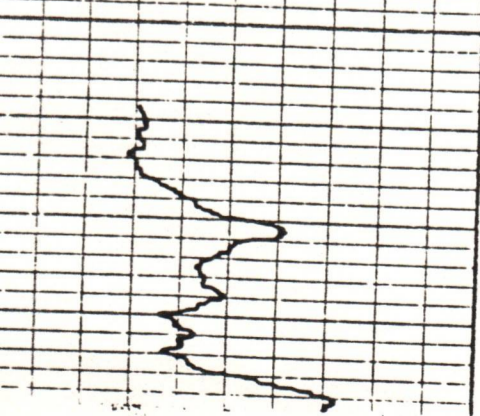
BOND CEMENT
BONDING INCREASE

FORMATION BON
AMPLITUDE INCREASE

% SIGNAL ATTENUATION



11/10/2023



**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	<u>47 - 081 - 0682</u>			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>107</u> Section of NGPA	<u>6</u> Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	<u>2753</u> feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>PEAKE OPERATING COMPANY</u> Name			_____ Seller Code
	<u>423 CHARLESTON NATIONAL PLAZA</u> Street			
	<u>CHARLESTON</u> City	<u>W. VA.</u> State	<u>25301</u> Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<u>TRAP HILL DISTRICT</u> Field Name			
	<u>ROULETTE</u> County	<u>WV</u> State		
(b) For OCS wells:	_____ Area Name			_____ Block Number
	Date of Lease: Mo. Day Yr.			_____ OCS Lease Number
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>CRAB ORCHARD #32-AC</u>			
(d) If code 4, or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<u>BIG LIME</u>			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>N/A</u> Name			
	_____ Buyer Code			
(b) Date of the contract:	 Mo. Day Yr.			
(c) Estimated total annual production from the well:	<u>20</u> Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>N/A</u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>6.048</u>	<u>0.756</u>	<u>6.804</u>
9.0 Person responsible for this application:	<u>Timothy K. Wilcox</u> Land Manager			
Agency Use Only	Name <u>Timothy K. Wilcox</u>			Title
Date Received by Juris. Agency <u>OCT - 3 1985</u>	Signature			
Date Received by FERC	<u>SEPTEMBER 30, 1985</u>			(304) 342-6970
	Date Application is Completed			Phone <u>11/10/2023</u>

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: SEPT. 30, 19 85

37100

AGENCY USE ONLY BL + MAXTON

Applicant's Name: PEAKE OPERATING COMPANY

Address: 423 CHARLESTON NATIONAL PLAZA

CHARLESTON, WEST VIRGINIA 25301

As Purchaser Contract No. N/A

Date of Contract N/A
(Month, day and year)

First Purchaser: N/A P629

Address: _____
(Street or P.O. Box)

(City) (State) (Zip Code)

FERC Seller Code _____

WELL DETERMINATION FILE NUMBER

851003 -1076-081-0682

Use Above File Number on all
Communications Relating to This Well

Designated Agent: Timothy K. Wilcox

Address: 423 Charleston National Plaza

Charleston, West Virginia 25301

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: Timothy K. Wilcox Land Manager
(Print) (Title)

Signature: [Signature]

Address: 423 Charleston National Plaza
(Street or P.O. Box)

Charleston, West Virginia 25301
(City) (State) (Zip Code)

Telephone: { 304 } 342-6970
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
 - 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir

- 108 Stripper Well Natural Gas
 - 108- Stripper Well
 - 108-1 Seasonally Affected
 - 108-2 Enhanced Recovery
 - 108-3 Temporary Pressure Buildup

- 103 New Onshore Production Well
 - 103 New Onshore Production Well

- 107 High Cost Natural Gas
 - 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressured Brine
 - 107-2 Coal Seams
 - 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED

11/10/2023

RECEIVED
OCT - 3 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

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

Date SEPTEMBER 30, 1985

Operator's
Well No. CRAB ORCHARD #32-AC

API Well
No. 47 - 081 - 0682
State County Permit

WELL CLASSIFICATION FORM
HIGH COST GAS WELL—NEW TIGHT FORMATION

MGPA Section 107

DESIGNATED AGENT Timothy K. Wilcox
ADDRESS Suite 423 Charleston National Plaza
Charleston, WV 25301

WELL OPERATOR Peake Operating Co.

LOCATION: Elevation 2100'

ADDRESS Suite 423 Charleston National Plaza Watershed STEPHEN'S BRANCH
Charleston, WV 25301

Dist TROP HILL County ROBERTSON Quad. 4W

GAS PURCHASER N/A

Gas Purchase
Contract No. N/A

ADDRESS _____

Meter Chart Code _____

Date of Contract N/A

* * * * *

Date surface drilling began: AUGUST 12, 1985

Indicate the bottom hole pressure of the well and explain how this was calculated.

BHP = P_e (GD/53.34 T)

P = Wellhead Pressure = 480

G = Specific Gravity = .58

D = Depth to Midpoint of Perforations = 2294'

T = Average Temperature (K°) = 539°

BHP = 502.7

AFFIDAVIT

I, Timothy K. Wilcox, having been first sworn according to law, state that, surface drilling of the well for which this determination is sought was begun on or after July 16, 1979, the gas is being produced from a designated tight formation and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.

Timothy K. Wilcox

STATE OF WEST VIRGINIA,

COUNTY OF KANAWHA, TO WIT:

I, ROGER PRITT, a Notary Public in and for the state and county aforesaid, do certify that TIMOTHY K. WILCOX, whose name is signed to the writing above, bearing date the 2ND day of OCTOBER, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 2ND day of OCTOBER, 1985.

My term of office expires on the 17TH day of OCTOBER, 1985.

Roger Pritt
Notary Public

[NOTARIAL SEAL]

11/10/2023



BOND CEMENT AND/OR SONIC SEISMOGRAM LOG
GAMMA RAY

FILING NO. _____

COMPANY PEAKE OPERATING COMPANY

WELL # 32-AC

FIELD TRAP HILL DISTRICT

COUNTY RALEIGH STATE WV

LOCATION ECCLES 7.5'

OTHER SERVICES _____

SEC. _____ TWP. _____ RGE. _____

PERMANENT DATUM GROUND LEVEL ELEV. 2100'

LOG MEASURED FROM K.B. 1' ABOVE P.D.

DRILLING MEASURED FROM K.B.

ELEVATIONS:
KB. 2103'
DF. _____
GL. 2100'

BORE HOLE RECORD		CASING RECORD	
NO.	BIT FROM TO	SIZE	WGT. FROM TO
ONE	6 1/2" 1118'	7"	17# SURF. 1118'
		4 1/2"	10.5# SURF. T.D.

RECEIVED
NOV 1985
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

11/10/2023

2200

8 HOLES

16 HOLES

20 HOLES

Lower flow for

2300

20 HOLES

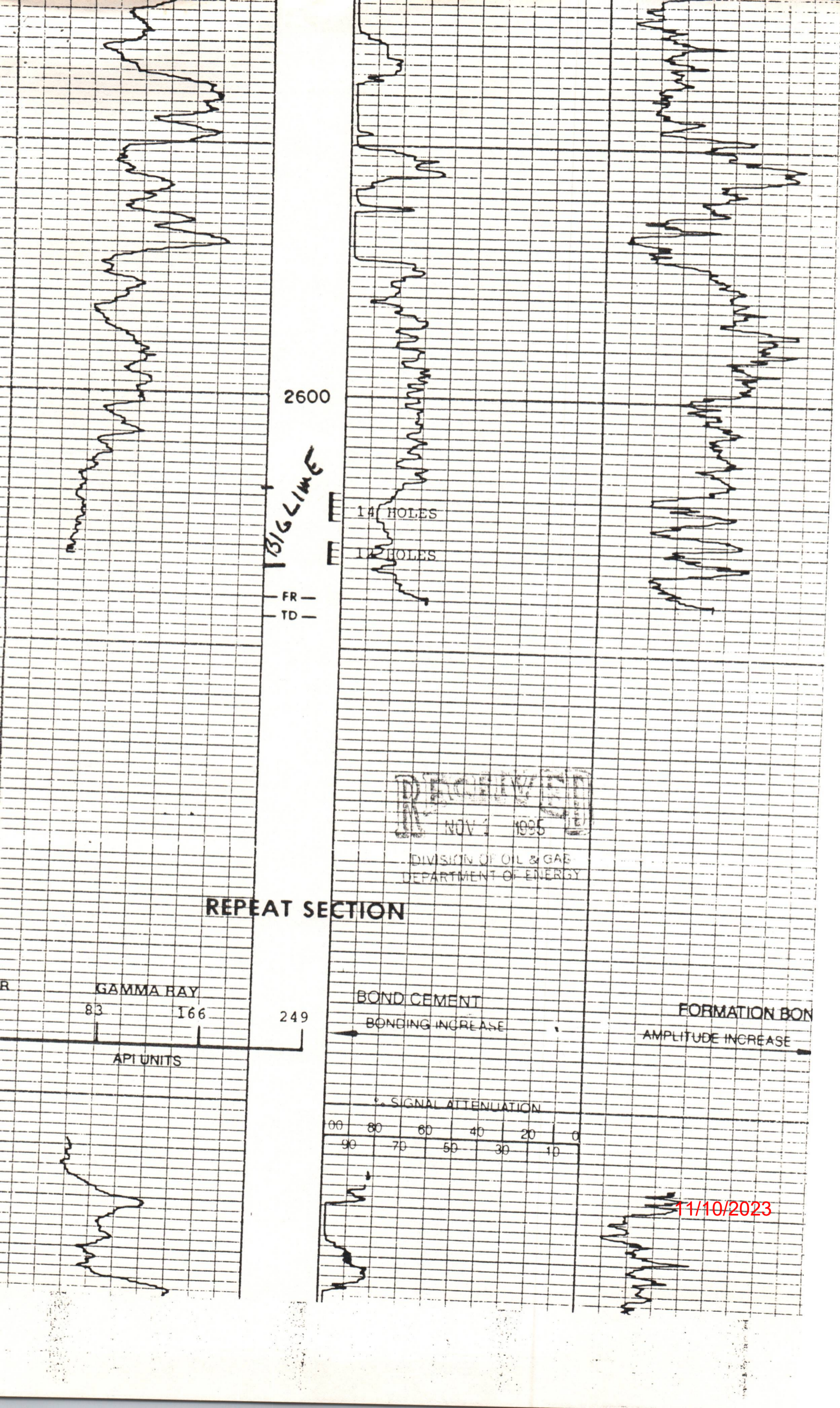
FRAC PLUG @ 2350'

RECEIVED
NOV 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

2400

11/10/2023



2600

BIG LIME

FR —
TD —

14 HOLES

12 HOLES

RECEIVED
NOV 2 1995

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

REPEAT SECTION

GAMMA RAY

83

166

249

API UNITS

BOND CEMENT

BONDING INCREASE

FORMATION BOND

AMPLITUDE INCREASE

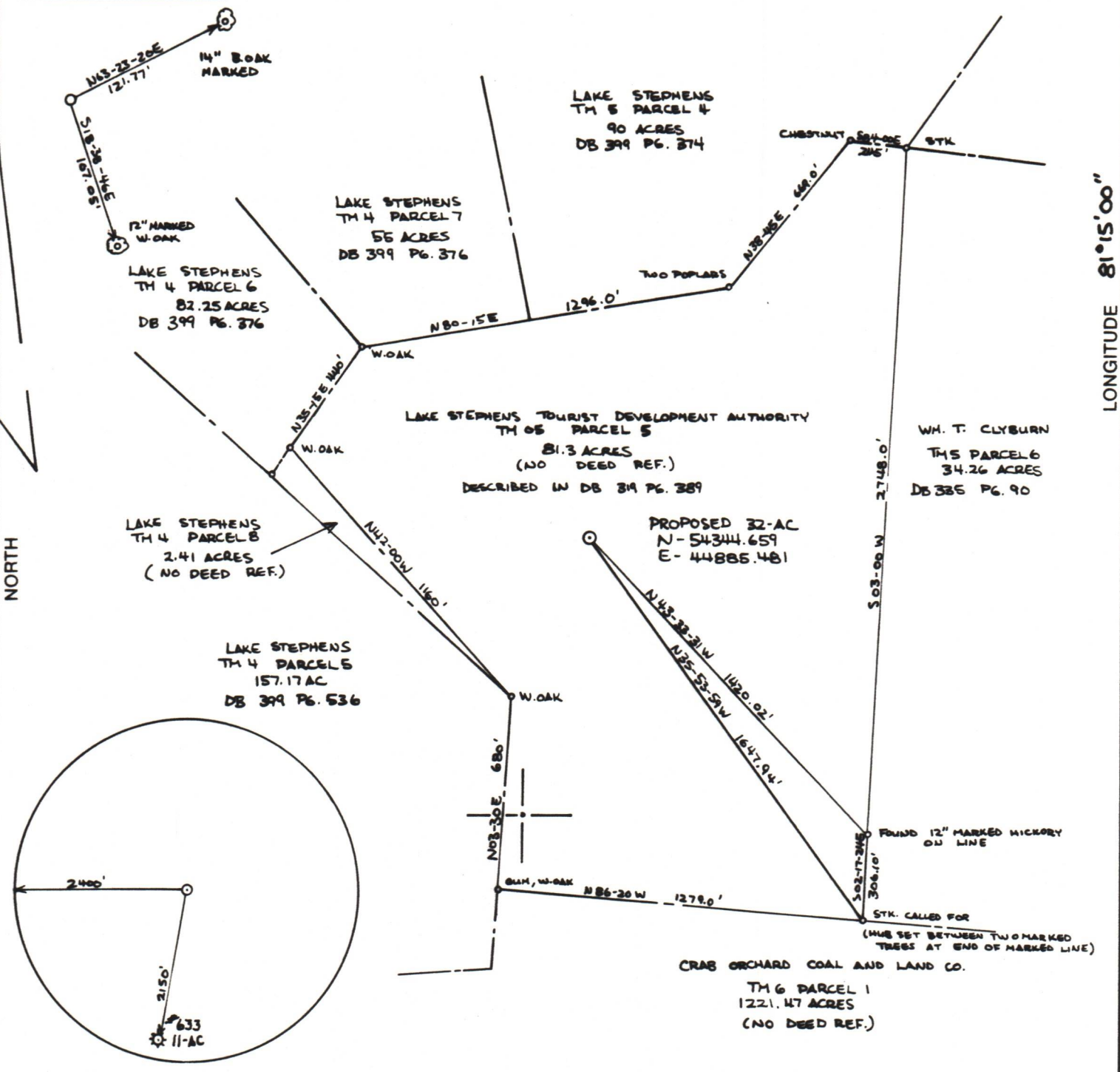
% SIGNAL ATTENUATION

00 80 60 40 20 0
90 70 50 30 10

11/10/2023

REFERENCES 1"=100'

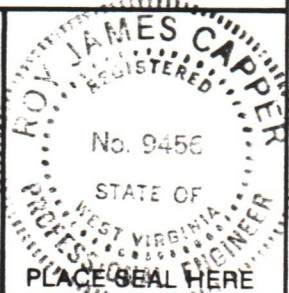
LATITUDE 37° 50' 00"



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

FILE NO. 85016
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 10000
 PROVEN SOURCE OF ELEVATION INTERSECTION 1700' SE OF LOCATION (2136')

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) Roy J. Capper
 R.P.E. 9456 I.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 16 MARCH, 19 85
 OPERATOR'S WELL NO. 32-AC
 API WELL NO. _____

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

LOCATION: ELEVATION 2100 WATERSHED BRANCH OF STEPHENS BRANCH
 DISTRICT TRAPHILL COUNTY RALEIGH
 QUADRANGLE ECCLES 7.5'

SURFACE OWNER LAKE STEPHENS TOURIST DEV. AUTHORITY ACREAGE 81.3
 OIL & GAS ROYALTY OWNER CRAB ORCHARD COAL & LAND LEASE ACREAGE _____
 LEASE NO. _____

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 Big Lime ESTIMATED DEPTH 2788
 WELL OPERATOR PEAKE OPERATING COMPANY DESIGNATED AGENT TIMOTHY K. WILCOX
 ADDRESS 423 CHARLESTON NATIONAL PLAZA ADDRESS 423 CHARLESTON NATIONAL PLAZA
CHARLESTON, WEST VIRGINIA 25301 CHARLESTON, WEST VIRGINIA 25301

11/10/2023

FORM IV-6 (8-78)

LONGITUDE 81° 15' 00"

COUNTY NAME

PERMIT