

2400

177.7 8/23/82

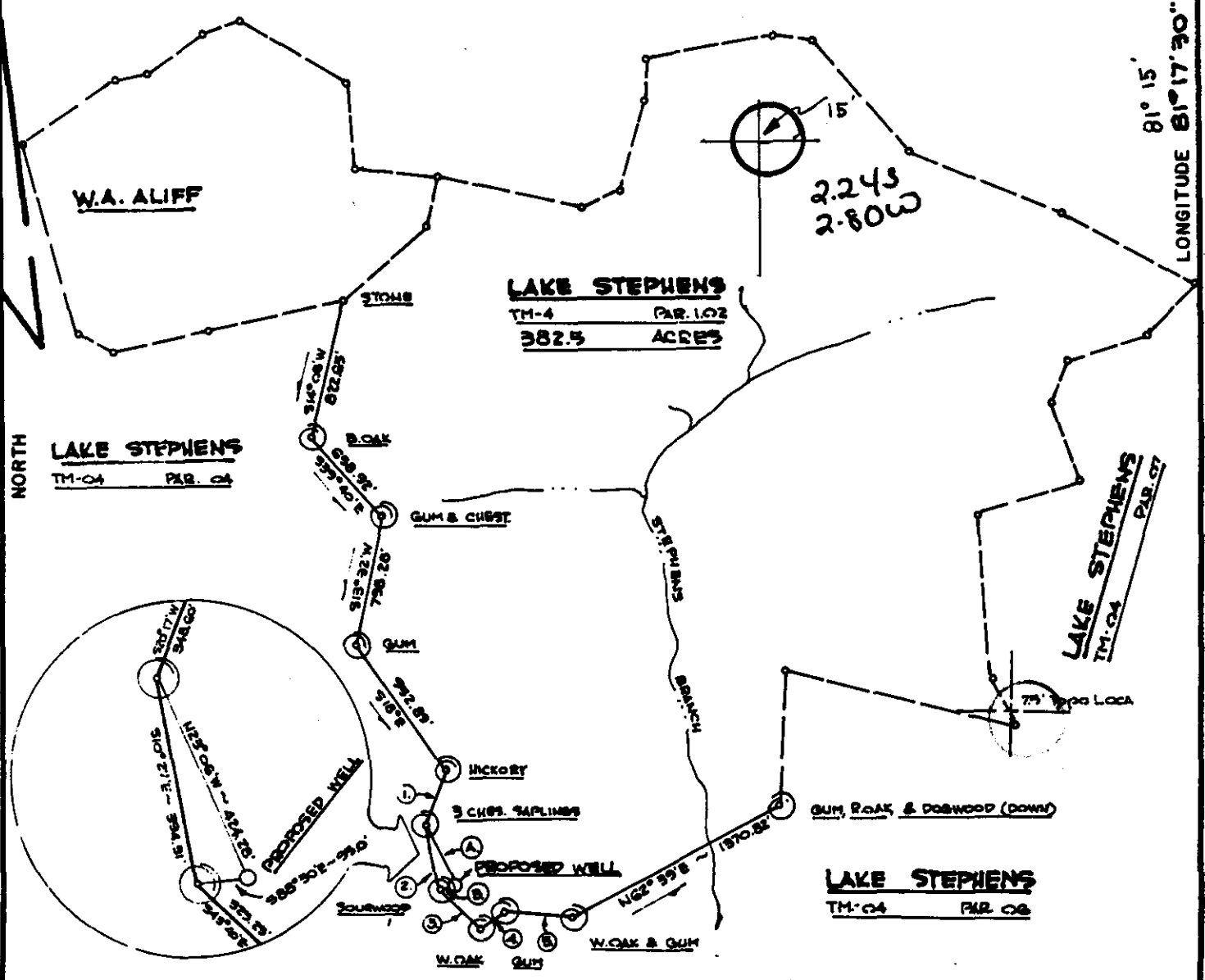
Plot Card 000

LATITUDE 37° 50' 00"

SURVEY TIES

- ① = S20° 17' W ~ 348.20'
- ② = S10° 27' E ~ 394.81'
- ③ = S45° 40' E ~ 325.29'
- ④ = N56° 45' E ~ 179.38'
- ⑤ = S85° 29' E ~ 409.44'
- ⑥ = N23° 06' W ~ 424.28'
- ⑦ = S65° 30' E ~ 99.0'

CLEAR FORK DISTRICT



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1-2500
 PROVEN SOURCE OF ELEVATION HIGH POINT 603' SW OF PROPOSED WELL

CO: 081 PMT: 621
 TH Loc Digitized from OGIS 7.5' Mylar
 BE QUAD: 331 DATE: 25-MAY-90
 S¹ LAT: 37 50.0 Miles South: 2.20
 B¹ LONG: 81 17.5 Miles West : 0.46
 AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) [Signature]
 R.P.E. _____ L.L.S. -736-

PLACE SEAL HERE

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



Department of Mines
 Oil & Gas Division

DATE AUGUST 5, 19 82
 OPERATOR'S WELL NO. 8-A
 API WELL NO. 47-081-0621
 STATE COUNTY PERMIT

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 2341' WATER SHED STEPHENS BRANCH
 DISTRICT TRAP HILL COUNTY RALEIGH
 QUADRANGLE ECCLES 75' 4.15' SE
 SURFACE OWNER LAKE STEPHENS ACREAGE 54.9
 OIL & GAS ROYALTY OWNER WESTERN POCAHONTAS CORP. LEASE ACREAGE 496.49
 LEASE NO. 31-195
 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 RAVENCLIFF ESTIMATED DEPTH 1300' SEP 13 1982
 WELL OPERATOR PEAKE OPERATING CO. DESIGNATED AGENT FLOYD WILCOX
 ADDRESS 423 CHAS. NAT. PLAZA CHAS. WV. ADDRESS 423 CHAS. NAT. PLAZA CHAS. WV.

6-6 - O - unnamed slab rock (249)

RECEIVED



DEC 20 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Date December 28, 1982
Operator's
Well No. 8-AJ
Farm Jones & Gibson
API No. 47 - 081 - 0621

IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

JAN 10 1983

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: 2341' Watershed Stephens Branch
District: Trap Hill County Raleigh Quadrangle Eccles 7 1/2'

COMPANY Peake Operating Company
ADDRESS 423 Chas. Nat'l Plaza, Chas., WV.
DESIGNATED AGENT Floyd B. Wilcox
ADDRESS 423 Chas. Nat'l Plaza, Chas., WV.
SURFACE OWNER Stephens Lake
ADDRESS Route 3, Box 174, Beckley, WV.
MINERAL RIGHTS OWNER Western Pocahontas Corp.
ADDRESS Box 2827, Huntington, WV.
OIL AND GAS INSPECTOR FOR THIS WORK D. Craig Duckworth ADDRESS Mt. Lookout, WV.
PERMIT ISSUED August 23, 1982
DRILLING COMMENCED November 5, 1982
DRILLING COMPLETED November 10, 1982
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	20'	20'	
9 5/8			
8 5/8			
7	1371'	1371'	100 sks.
5 1/2			
4 1/2	2899'	2899'	140 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Big Lime Depth 2708 feet
Depth of completed well 2940 feet Rotary X / Cable Tools _____
Water strata depth: Fresh N/A feet; Salt N/A feet
Coal seam depths: Sewell 652', Beckley 952' Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Ravencliff Pay zone depth 1742-1760 feet
Gas: Initial open flow 103 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 539 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 210 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)
Second producing formation Big Lime Pay zone depth 2789-2840 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 155 Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 285 psig (surface measurement) after 48 hours shut in

155
539
694
mcf
POF

(Continue on reverse side)

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

Perforated Big Lime 2789'-2813' (32 holes); 2838'-2840' (4 holes). Acidized with 24 bbls. 28% acid; 200 bbls. 15% gelled acid. No breakdown pressure, went on vacuum.

Perforated Ravencliff 1742'-1749' (22 holes); 1756'-1760' (10 holes). Frac with 15,000# 80/100 sand; 45,000# 20/40 sand; 36 bbls. acid. Breakdown pressure at 1550#, treating pressure 2100#, instant shut in pressure 1850#, after 15 minutes 1550#. Used 541 SCF N₂ with 6½ bbl. water. Got up to 8#/gal. Total fluid 297 bbls. at 26 bbl/min.

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 and shale			0	320	
Sand			320	424	
Shale			424	520	
Shaley sand			520	590	
Sand			590	1062	
Shale			1062	1138	
Sand			1138	1190	
Shale			1190	1276	
Sand			1276	1396	
Shale			1396	1500	
Princeton sand			1500	1611	
Shale			1611	1722	
Ravencliff			1722	1779	Gas checks:
Red shale			1779	1883	1785' - no gas
Shale and sand			1883	2524	1805' - 103 MCF
Shale			2524	2582	2731' - 94 MCF
Little Lime			2582	2654	2840' - 94 MCF
Pencil Cave			2654	2708	2890' - 103 MCF
<u>Big Lime</u>			2708	2935	2935' - 94 MCF
<u>TD</u>			<u>2935</u>		

(Attach separate sheets as necessary)

Peake Operating Company

Well Operator

By:

Dwight B. Wilcox

Date:

December 28, 1982

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 ^{encountered}, encountered in the drilling of a well."

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Unknown

Address _____

GEOLOGICAL TARGET FORMATION, Big Lime

Estimated depth of completed well, 2975 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 50 feet; salt, 500 feet.

Approximate coal seam depths: 652, 952 Is coal being mined in the area? Yes _____ / No X /

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		30'	30'	To Surface	Kinds
Fresh Water									
Coal									Sizes
Intermediate	7"	J-55	17#	X		1370'	1370'	150 sacks as	req. rule 15.01
Production	4-1/2	J-55	9.5#	X		2960'	2960'	300 sacks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 5-9-83,

BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____

Its _____