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IV-35
(Rev 8-81)

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OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date August 9, 1984
Operator's
Well No. #22-AC
Farm Crab Orchard
API No. 47 - 081 - 634

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: 2370 Watershed Stephens Creek
District: Trap Hill County Raleigh Quadrangle Eccles 7 1/2

COMPANY Peake Operating Company
ADDRESS Suite 423 Charleston National Plaza
DESIGNATED AGENT Floyd B. Wilcox
ADDRESS Suite 423 Charleston National Plaza
SURFACE OWNER Ira McGinnis
ADDRESS Eccles, WV
MINERAL RIGHTS OWNER Crab Orchard Coal & Land
ADDRESS Charleston, WV
OIL AND GAS INSPECTOR FOR THIS WORK
Craig Duckworth ADDRESS Gassaway, WV
PERMIT ISSUED August 4, 1983
DRILLING COMMENCED June 18, 1984
DRILLING COMPLETED June 24, 1984

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	21	21	2 sacks
9 5/8			
8 5/8			
7	1244	1244	540 sacks
5 1/2			
4 1/2		2976	95 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 2780 feet
Depth of completed well 3031 feet Rotary X / Cable Tools
Water strata depth: Fresh 380 feet; Salt feet
Coal seam depths: 847 Is coal being mined in the area?

OPEN FLOW DATA

Producing formation Maxton Pay zone depth 2464-2482 feet
Gas: Initial open flow 47 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 353 (COMINGLED FLOW) Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 470 psig (surface measurement) after hours shut in
(If applicable due to multiple completion--)
Second producing formation Big Lime Pay zone depth 2863-69 feet
Gas: Initial open flow 33 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 353 (COMINGLED FLOW) Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 470 psig (surface measurement) after hours shut in

(Continue on reverse side)

SEP 10 1984

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

Perforated Big Lime 2863 - 2869 (18 Holes)

Maxton: 2464 - 68 (8h), 2535-39 (8h), 2558-60 (4h), 2563-67 (8h), 2571-82 (20h)

Acidize the Big Lime with 1000g 28% & 8000g 15% HCL. BDP & ATP = 0 psi

Frac'd Maxton with 230 bbl water, 50A MCF N₂, 15000 # 80/100 and 45000 # 27/50 SAND, 1000 gal 15% HCL. BDP 525#, ATP 1500# 15.0P 1100 psi.

AFTER 15 min 1000 psi

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale			0	70	Water: 338' (10 gpm) 360'
Sandstone			70	155	
Shale & Sand			155	360	Gas checks: 1704 - no show 1804 - no show 2481 - 47 MCFD 2570 - 41 MCFD 2806 - 55 MCFD 2856 - 49 MCFD 2906 - 88 MCFD 2956 - 81 MCFD TD - 69 MCFD
Sandstone			360	450	
Sand & Shale			450	618	
Sandstone			618	847	
Sand & Sandy Shale			847	1552	
Sand			1552	1595	
Shale			1595	1686	
Sand			1686	1724	
Shale			1724	1734	
Ravencliff			1731	1788	
Avis Lime			1788	1824	
Red & Grey Sandy Shale			1824	2390	
Sandy Shale			2390	2460	
Limey Shale			2460	2557	
Sand			2557	2577	
Shale			2577	2650	
Little Lime			2650	2735	
Pencil Cave			2735	2780	
Big Lime			2780	TD	
DTB				3031	
LTD				3016	

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(Attach separate sheets as necessary)

Peake Operating Company
Well Operator
By: Flayel B. [Signature]
Date: 8/10/84

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."



