



- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

**CERTIFICATE**

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Minimum degree of accuracy in one part in 200

Signed Seward J. Day 4/5/73

COMPANY	CITIES SERVICE OIL COMPANY		
ADDRESS	BOX 873 CHARLESTON, W.VA.		
FARM	LEWIS MAXWELL		
MAP	ACRES	LEASE NO.	
	640	WV-432	
WELL (FARM) NO.	D-3	SERIAL NO.	GN-36
ELEVATION (SPIRIT LEVEL)	1085.00'		
QUADRANGLE	WEST UNION SE		
COUNTY	DODDRIDGE	DISTRICT	WEST UNION
POINT OF PROVEN ELEVATION	U.S.G.S. VE 803		
FILE NO.	DRAWING NO.		
	W-2-73		
DATE	APRIL 3 1973	SCALE	1" = 1000'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. 2154

↑ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY DOTTED LINES AS SHOWN.

- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

6-6 Smithton Flint-Sedalia (99)

FORM IV-35  
(Obverse)

108-78

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

Date: 4-2-1980

Operator's Well No. GW 36 (D-2)

WELL OPERATOR'S REPORT  
OF

API Well No. 47-017-2154  
State County Perm

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

2154

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal   
(If "Gas", Production  / Undergrounds storage  / Deep  / Shallow )

LOCATION: Elevation: 1100.00' Watershed: LT FORK OF ARNOLDS CKE BLUESTONE CK  
District: WEST UNION County: DODDRIDGE Quadrangle: WEST UNION 7 1/2

WELL OPERATOR CITIES SERVICE CO. DESIGNATED AGENT MR SAM J MATTHEWS  
Address Box 873 Address Box 873  
CHARLESTON, W.V. 25323 CHARLESTON, W.V. 25323

PERMITTED WORK: Drill  / Convert  / Drill deeper  / Redrill  / Fracture or stimulate   
Plug off old formation  / Perforate new formation   
Other physical change in well (specify) \_\_\_\_\_

F.F.R.C. FILING

PERMIT ISSUED ON UNKNOWN, 19\_\_\_\_ OIL & GAS INSPECTOR FOR THIS WORK:  
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name \_\_\_\_\_  
Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION: BIG INJUN Depth 1660 feet  
Depth of completed well, \_\_\_\_\_ feet Rotary  / Cable Tools   
Water strata depth: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
Coal seam depth: \_\_\_\_\_ Is coal being mined in the area?   
Work was commenced \_\_\_\_\_, 19\_\_\_\_, and completed JUN 10 1980, 19\_\_\_\_

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	Used	For drilling left in well		
Conductor							Winds
Fresh water							
Coal	10"				350'		Winds
Intermediate	7 1/4"				912'		
Production	6 5/8"				1150'		Winds
Tubing	3"				(NOT AVAILABLE)		
Linets							Perforations
							Top Bottom

OPEN FLOW DATA

Producing formation N/A Pay zone depth \_\_\_\_\_  
Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ bbl/d  
Final open flow, \_\_\_\_\_ 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 \_\_\_\_\_ Pay zone depth \_\_\_\_\_  
Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ bbl/d  
Final open flow, \_\_\_\_\_ 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

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

NO INFORMATION AVAILABLE

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
BIG LIME BIG INJUN			1530 1598	1598 1660	

(Attach separate sheets to complete as necessary.)

CITIES SERVICE CO.  
Well Operator

By: *[Signature]*  
Title: *Regional Production Mgr*

NOTE: Regulation 2.02 (f) 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."