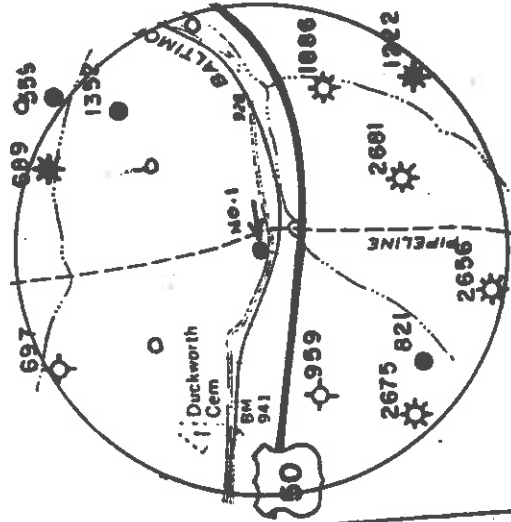


7,900'

LATITUDE 39°17'30"

80°50'00" LONGITUDE

6,100'



J. TOWNER
33.08 AC.

G. VOGT
142.23 AC.

1.165
1.50W

A. HARPER
107.93 AC.

1/2" I. PIPE
S86°04'E 100.9'
S87°45'E 1250.0'

R. VOGT
12.67 AC.

C. KIMPEL
10.1 AC.

W. KUNK

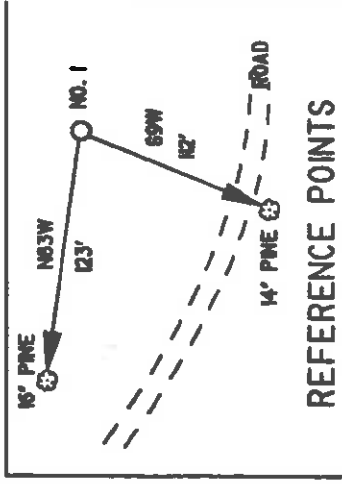
C. CONNER
7.02 AC.

1/2" I. PIPE

NO. 1

ROUTE 36

OLD B-O RAILROAD



REFERENCE POINTS

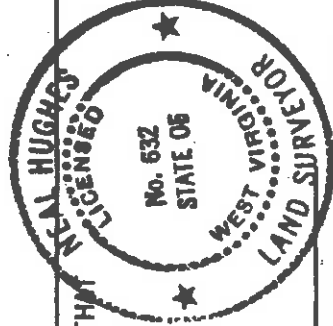
I THE UNDERSIGNED, DO HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY

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

DATE FEBRUARY 19 19 97
OPERATORS WELL NO. P. WRIGHT I

L.L.S. Neal
632

API WELL NO. 47 - 017-04285
STATE COUNTY PERMIT



MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 97-08

PROVEN SOURCE OF ELEVATION ROAD - RR INTER. 928' SCALE 1" = 500'

WELL TYPE: OIL X GAS X LIQUID INJECTION X WASTE DISPOSAL X 'GAS' PRODUCTION X STORAGE X DEEP X SHALLOW X

LOCATION: ELEVATION 967' WATERSHED WILHELM RUN

DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE WEST UNION

SURFACE OWNER CLARENCE CONNER ACREAGE 7.02 AC.

ROYALTY OWNER PATRICK WRIGHT LEASE ACREAGE 208

PROPOSED WORK: CONVERT X DRILL DEEPER X REDRILL X PLUG OFF OLD FORMATION X PERFORATE NEW FORMATION X PLUG AND ABANDON X CLEAN OUT AND REPLUG X OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION ALEXANDER

ESTIMATED DEPTH 5600'

WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JAN CHAPIAN

ADDRESS 22 GARTON PLAZA WESTON, WV 26452

ADDRESS 22 GARTON PLAZA WESTON, WV 26452

ADDRESS 6-6-89

ADDRESS 22 GARTON PLAZA WESTON, WV 26452

ESTIMATED DEPTH 5600'

DESIGNATED AGENT JAN CHAPIAN

ADDRESS 22 GARTON PLAZA WESTON, WV 26452

ADDRESS 6-6-89

5600'

JAN CHAPIAN

22 GARTON PLAZA

WESTON, WV 26452

5600'

JAN CHAPIAN

22 GARTON PLAZA

WESTON, WV 26452

5600'

JAN CHAPIAN

22 GARTON PLAZA

WESTON, WV 26452

5600'

JAN CHAPIAN

22 GARTON PLAZA

WESTON, WV 26452

5600'

JAN CHAPIAN

22 GARTON PLAZA

WESTON, WV 26452

AUG 18 1997

WR-35

01 - Aug - 97
API # 47 - 17 - 04385

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas



Well Operator's Report of Well Work

Farm name: CONNER, CLARENCE

Operator Well No. : P. WRIGHT #1

LOCATION: Elevation: 967.00

Quadrangle: WEST UNION

District: CENTRAL

County: DODDRIDGE

Latitude: 6100 Feet South of 39 Deg. 17 Min. 30 Sec.

Longitude: 7900 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: KEY OIL COMPANY
22 Garton Plaza
WESTON, WV 26452-0000

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 08/04/97
Well Work Commenced: 09/17/97
Well Work Completed: 09/22/97

Verbal Plugging
Permission granted on: _____ Rig
Rotary X Cable _____
Total Depth (feet) 5362'
Fresh water depths (ft) NONE
Salt water depths (ft) NONE

Is coal being mined in area (Y / N) ? N
Coal Depths (ft) : NONE

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	120.80'	120.80'	70 sks. To Surface
8 5/8"	1926.90'	1926.90'	600 sks To Surface
4 1/2"	5289'	5289'	390 sks
2 3/8"		5157'	

OPEN FLOW DATA

Producing formation _____
 Gas: Initial open flow _____ Show _____ MCF / d
 Final open flow 1,500 MCF / d
 Time of open flow between initial and final tests _____ N/A _____ Hours
 Static rock pressure 1850 psig (surface pressure) after 96 _____ Hours

Balltown
Rileys
Benson
Alexander

Pay zone depth (ft)
 Oil: Initial open flow 0 Bbl / d
 Oil: Final open flow show _____ Bbl / d
 Hours _____

Second producing formation _____
 Gas: Initial open flow _____ MCF / d
 Final open flow _____ MCF / d
 Time of open flow between initial and final tests _____
 Static rock pressure _____ psig (surface pressure) after _____ Hours

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.

For: KEY OIL COMPANY

By:

Date: April 18, 1998

PRESIDENT

MAY 11 1998

Do V V 4385

P. Wright #1 (47-017-04385)
Four Stage Foam Frac - Halliburton

1 st Stage:	Alexander (13 holes) (5177.25' to 5216')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 811 bbls foam.
2 nd Stage:	Benson (6 holes) (4890.25' to 4891.50') Third Riley (5 holes) (4833.50' to 4834.50') Second Riley (2 holes) (4734.50' & 4734.75')	60 Quality Foam. 750 gal 15% HCL. 50,000# 20/40 sand, 481,000 SCF N2, 712 bbls foam.
3 rd Stage:	Riley (8 holes) (4478.50' to 4493.25') Balltown (6 holes) (4266.75' to 4302')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 742 bbls foam.
4 th Stage:	Balltown (13 holes) (3843.50' to 4102.25')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 684 bbls foam.

WELL LOG

Fill and Clay	0	10	
Red Rock & Clay	10	20	
Sand & Shale	20	300	
Shale & Red Rock	300	320	
Sand & Shale	320	403	
Shale & Red Rock	403	492	
Sand & Shale	492	786	
Shale & Red Rock	786	1835	
Sand	1835	1853	
Shale	1853	1899	
Little Lime	1899	1930	
Shale	1930	1936	
Big Lime	1936	1993	2245' - Oil Show
Big Injun	1993	2064	<u>Gas Checks</u>
Shale	2064	2232	2505' - No Show
Weir	2232	2355	3004' - No Show
Shale	2355	2826	3502' - No Show
Gordon	2826	2836	4251' - No Show
Sand & Shale	2836	3292	4715' - Show
Warren	3292	3366	5026' - Show
Shale	3366	3377	TD - Show
Speechley	3377	3496	
Shale	3496	3724	
Balltown	3724	4444	
Shale	4444	4452	
Riley	4452	4525	
Sand & Shale	4525	4690	
Second Riley	4690	4756	
Shale	4756	4806	
Third Riley	4806	4844	
Shale	4844	4882	
Benson	4882	4897	
Shale	4897	5132	
Alexander	5132	5216	
Sand & Shale	5216	5362	
T.D.	5362		

017-4385

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

1) Well Operator: KEY OIL COMPANY (1) 671
 2) Operator's Well Number: P. WRIGHT #1 3) Elevation: 967'

4) Well type: (a) Oil X / or Gas X / Issued 08/04/97
 (b) If Gas: Production X / Underground Storage / Expires 08/04/99
 Deep / Shallow X /

24018

Proposed Target Formation(s): ALEXANDER
 Proposed Total Depth: 5600 feet
 Approximate fresh water strata depths: 90' - 120'

RECEIVED
 WV Division of
 Environmental Protection
 JUL 18 1997

Approximate salt water depths: N/A Permitting
 Approximate coal seam depths: N/A Office of Oil & Gas

10) Does land contain coal seams tributary to active mine? Yes / No X /

11) Proposed Well Work: DRILL, STIMULATE, PRODUCE Approved

12)

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT PER FT.	FOOTAGE DRILLING	FOOTAGE INTERVALS	CEMENT
Conductor	11 3/4	ERW	42	42	0	Fill-up (cu. ft.) <u>3658913</u>
Fresh Water	8 5/8	ERW	23	967	967	260 SKS. TO SURFACE
Coal						<u>3658912</u>
Intermediate						
Production	4 1/2	J-55	10.5	5400	5400	490 SKS.
Tubing	1.5					<u>3658911</u>
Liners						

PACKERS : Kind
 Sizes
 Depths set

For Office of Oil and Gas Use Only
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Agent
 (Type)

14

RECEIVED
DEPARTMENT OF
Environmental Protection

JUL 18 1997

1) Date: JULY 16, 1997
Operator's well number

P. WRIGHT #1

2) API Well No: 47 - 017 - 4385
State County Permit

Permitting
**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served: 5) (a) Coal Operator: _____ Name: NONE

(a) Name CLARENCE CONNER
Address 104 JAMES STREET
WEST UNION, WV 26456

(b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name _____
Address _____

(c) Name _____ Name _____
Address _____ Address _____

6) Inspector MIKE UNDERWOOD (c) Coal Lessee with Declaration
Name _____
Address RT. 2 BOX 135
SALEM, WV 26426

Telephone (304)- 782-1043 Address _____

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

Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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 KEY OIL COMPANY

By: *[Signature]*
PRESIDENT

Address 22 GARTON PLAZA
WESTON, WV 26452

Telephone 304-269-7102

Subscribed and sworn before me this 16TH day of JULY 1997

My commission expires MARCH 24, 2003

Karen Cook

Public

