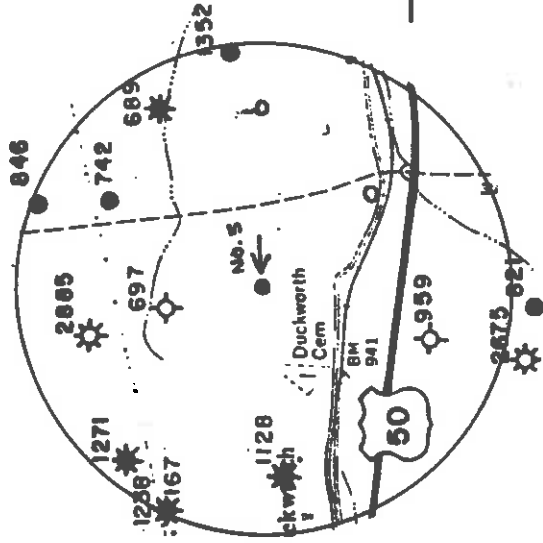


8,850'

LATITUDE 39°17'30"

80°50'00" LONGITUDE

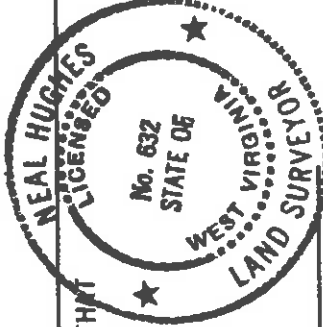
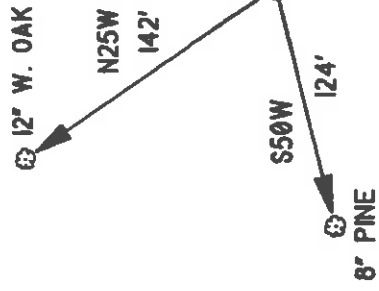
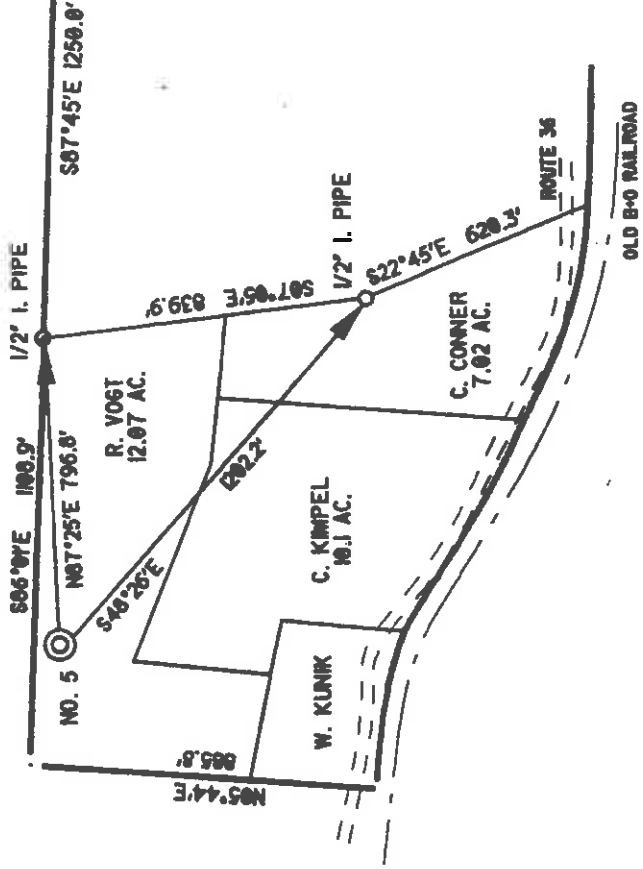


J. TOWNER
33.08 AC.

6. VOGT
142.23 AC.

*0.945
1.687*

A. HARPER
107.93 AC.



I THE UNDERSIGNED, DO 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 ENERGY.

L.L.S. *Neal Hughes*
632

REFERENCE POINTS

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

DATE FEBRUARY 19 19 97
OPERATORS WELL NO. P. WRIGHT 5

API WELL NO. STATE COUNTY PERMIT
47 - 017-04380

MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION ROAD - RR INTER. 928'
SCALE 1" = 500'

WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
#10 MCJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

WELL TYPE: OIL GAS LIQUID WASTE DISPOSAL 'GAS' PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1071' WATERSHED WILHELM RUN

DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE WEST UNION
ROYALTY OWNER PATRICK WRIGHT ACREAGE 12.07
LEASE ACREAGE 208

PROPOSED WORK:
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION ALEXANDER

WELL OPERATOR KEY OIL COMPANY
ADDRESS 22 GARTON PLAZA, WESTON, WV 26452
DESIGNATED AGENT JAN CHAPMAN JUN 19 1997
ADDRESS 22 GARTON PLAZA, WESTON, WV 26452

COUNTY NAME PERMIT

ESTIMATED DEPTH 5600'

WR-35

18 - Jun - 97
API # 47 - 17 - 04380

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



Well Operator's Report of Well Work

Farm name: VOGT, GREGORY

Operator Well No. : P. WRIGHT #5

LOCATION: Elevation: 1,071.00

Quadrangle: WEST UNION

District: CENTRAL
Latitude: 4975 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 8850 Feet West of 80 Deg. 50 Min. 0 Sec.

County: DODDRIDGE

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 06/18/97
Well Work Commenced: 11/21/97
Well Work Completed: 12/09/97

Verbal Plugging
Permission granted on: _____ Rig
Rotary X Cable _____ 5446'
Total Depth (feet)
Fresh water depths (ft) NONE
Salt water depths (ft) 1700'

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"	131.90'	131.90'	70 sks To Surface
8 5/8"	2055.65'	2055.65'	600 sks To Surface
4 1/2"	5354'	5354'	370 sks
2 3/8"		5195'	


OPEN FLOW DATA

Producing formation _____
 Gas: Initial open flow _____ MCF / d
 Final open flow 1,508 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 3788' - 4504'
 Rileys 4524' - 4920'
 Benson 4958' - 4969'
 Alexander 5204' - 5286'

Second producing formation _____
 Gas: Initial open flow _____ MCF / d
 Final open flow _____ MCF / d
 Time of open flow between initial and final tests _____ Hours
 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 05 1998

4280

P. Wright #5 (47-017-04380)
 Four Stage Foam Frac - Halliburton

1 st Stage:	Alexander (12 holes) (5215.75' to 5278')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 812 bbis foam.
2 nd Stage:	Benson (9 holes) (4908' to 4910') Third Riley (3 holes) (4884.75' to 4885.25')	60 Quality Foam. 750 gal 15% HCL. 50,000# 20/40 sand, 481,000 SCF N2, 712 bbis foam.
3 rd Stage:	Riley (7 holes) (4547.50' to 4565.25') Balltown (6 holes) (4351.25' to 4474.50')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 743 bbis foam.
4 th Stage:	Balltown (13 holes) (3930.50' to 4194.75')	60 Quality Foam. 750 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 684 bbis foam.

WELL LOG

Fill and Clay	0	15	
Sand & Shale	15	45	
Red Rock & Shale & Sand	45	155	
Sand & Shale	155	183	
Red Rock & Shale & Sand	183	367	
Sand	367	388	
Red Rock & Shale & Sand	388	767	
Sand	767	777	
Shale & Red Rock	777	1389	
Sand	1389	1415	
Sand & Shale	1415	1982	
Little Lime	1982	1996	
Shale	1996	2010	
Big Lime	2010	2069	
Big Injun	2069	2190	
Shale	2190	2314	
Weir	2314	2441	
Sand & Shale	2441	2503	
Berea	2503	2508	
Sand & Shale	2508	2911	
Gordon	2911	2922	
Shale & Sand	2922	3398	
Warren	3398	3448	
Shale	3448	3464	
Speechley	3464	3572	
Shale	3572	3788	
Balltown	3788	4504	
Shale	4504	4524	
Riley	4524	4608	
Sand & Shale	4608	4880	
Third Riley	4880	4920	
Shale	4920	4958	
Benson	4958	4968	
Shale	4968	5204	
Alexander	5204	5286	
Sand & Shale	5286	5446	
T.D.	5446		

¾" H₂O @ 1700'

Gas Checks

2522' - No Show
 2987' - No Show
 3823' - No Show
 4513 - Show
 4919 - Show
 5230 - 2/10^{ths} - 2" w/ H₂O
 TD - 2/10^{ths} - 2" w/ H₂O

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

1) Well Operator: KEY OIL COMPANY 25650 671 (1)
 2) Operator's Well Number: P. WRIGHT #5 3) Elevation: 1071'

Well type: (a) Oil X / or Gas X /
 (b) If Gas: Production X / Underground Storage /
 Deep / / Shallow X /
 Issued: 06/18/97
 Expires 06/18/99

Proposed Target Formation(s): ALEXANDER
 Proposed Total Depth: 5600 feet
 Approximate fresh water strata depths: 90'
 Approximate salt water depths: -0-
 Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? Yes / No X /
 11) Proposed Well Work: DRILL, STIMULATE, PRODUCE
 12) Paulwell

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT PER FT. DRILLING	FOOTAGE INTERVALS	LEFT IN WELL	FILL-UP (cu. ft.)	CEMENT
Conductor	11 3/4	ERW	42	30	0	0	OK-Mile
Fresh Water	8 5/8	ERW	23	1071	1071	290 SKS. TO SURFACE	
Coal							
Intermediate							
Production	4 1/2	J-55	10.5		5500	490 SKS.	
Tubing	1.5						
Liners							

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only
 Fee(s) paid: Well Work Permit Reclamation Fund WPC2
 Plat WW-9 WW-2B Bond _____ (Type)

23793

1) Date: MAY 19, 1997
2) Operator's well number P. WRIGHT #5
3) API Well No: 47 - 017 - 4380
State County Permit

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:

(a) Name ROY F. VOGT Name NONE
Address RT. 1 BOX 30B Address
GREENWOOD, WV 26415

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

(c) Name Name
Address Address

6) Inspector MIKE UNDERWOOD

Address RT. 2 BOX 135 (c) Coal Lessee with Declaration
SALEM, WV 26426 Name

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
KS: PRESIDENT

Address 22 GARTON PLAZA
WESTON, WV 26452

Telephone 304-269-7102

Subscribed and sworn before me this 19TH day of MAY 1997

My commission expires MARCH 24, 2003

