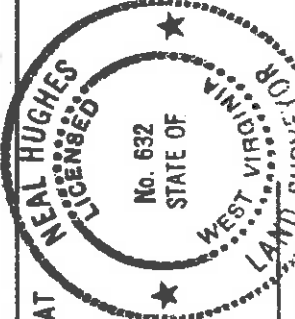


E. ADAMS

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



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

DATE MAY 21 19 96
OPERATORS WELL NO. HUDKINS 3

API WELL NO. 47 - 017-04283
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 96-14
PROVEN SOURCE OF ELEVATION KNOB 1208' SCALE 1" = 500'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF 'GAS' PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1170' WATERSHED LEASON RUN
 DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE PENNSBORO
 SURFACE OWNER ROBERT PHILLIPS ACREAGE 201
 ROYALTY OWNER RAY HUDKINS HEIRS LEASE ACREAGE 201
 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
 ESTIMATED DEPTH 5600'

WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT 475 JAN CHAPMAN PERMIT
 ADDRESS 22 GARTON PLAZA ADDRESS 22 GARTON PLAZA
WESTON, WV 26452 WESTON, WV 26452

6-6 89

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

Well Operator's Report of Well Work

Farm name: PHILLIPS, ROBERT E.

Operator Well No.: HUDKINS #3

LOCATION: Elevation: 1,170.00

Quadrangle: PENNSBORO

District: CENTRAL

County: DODDRIDGE

Latitude: 14,150

Feet South of 39 Deg. 17 Min. 30 Sec.

Longitude: 3500

Feet West of 80 Deg. 52 Min. 30 Sec.

Company: KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452-0000

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 07/11/96
Well Work Commenced: 07/22/96
Well Work Completed: 08/05/96

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 5630
Fresh water depths (ft) NONE
Salt water depths (ft) 1093'

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

OPEN FLOW DATA

Balltown
Riley
Benson

Producing formation Alexander

Gas: Initial open flow Show MCF / d

Final open flow 1,409 MCF / d

Time of open flow between initial and final tests N/A

Static rock pressure 1650 psig (surface pressure) after 96 Hours

3943' - 4604'
4632' - 4716'
5060' - 5071'
5306' - 5386'

Pay zone depth (ft) _____

Oil: Initial open flow 0 Bbl / d

Oil: Final open flow show Bbl / d

Time of open flow between initial and final tests _____ Hours

Static rock pressure _____ psig (surface pressure) after _____ Hours

Second producing formation Comingled

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

Pay zone depth (ft) _____

Oil: Initial open flow _____ Bbl / d

Oil: Final open flow _____ Bbl / d

Time of open flow between initial and final tests _____ Hours

Static rock pressure _____ psig (surface pressure) after _____ Hours

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8"	1182'	1182'	315 sks
4 1/2"		5452'	To surface 360 sks
2 3/8"		5315'	

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:  President

Date: JANUARY 22, 1997

FEB 14 1997

Hudkins #3 (47-017-04283)
Four Stage Foam Frac - Halliburton

1st Stage:	Alexander (11 holes) (5335.75' - 5373.25')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 811 bbls foam.
2nd Stage:	Benson (10 holes) (5063.50' - 5065.75')	60 Quality Foam. 750 gal 15% HCL. 35,000# 20/40 sand, 428,000 SCF N2, 518 bbls foam.
3rd Stage:	Riley (10 holes) (4662.50' - 4695.75)	60 Quality Foam. 750 gal 15% HCL. 5,000# 80/100 sand, 25,000# 20/40 sand, 382,000 SCF N2, 552 bbls foam.
4th Stage:	Balltown (10 holes) (4021.75' - 4310')	60 Quality Foam, 1,000 gal 15% HCL. 10,000# 80/100 sand, 40,000# 20/40 sand, 473,000 SCF N2, 695 bbls foam.

WELL LOG

FORMATION	Top Feet	Bottom Feet	Remarks
Fill	0	5	
Sand & Shale	5	20	
Red Rock & Shale	20	35	
Sand & Shale & Red Rock	35	237	
Sand & Shale	237	650	
Sand	650	672	
Sand & Shale	672	1842	Damp at 1073'
Sand	1842	1900	
Sand & Shale	1900	2008	
Maxon	2008	2060	
Shale	2060	2068	
Little Lime	2068	2094	
Pencil Cave	2094	2111	Oil Odor @ 2235'
Big Lime	2111	2166	Gas Checks
Big Injun	2166	2246	2101' - No Show
Shale	2246	2426	2350' - No Show
Weir	2426	2554	2782' - 3/10ths 1/4" H2O
Shale	2554	2609	3477' - No Show
Berea	2609	2616	3762' - No Show
Shale & Sand	2616	3490	4792' - 7/10ths 1/2" H2O
Warren	3490	3567	5307' - No Show
Sand & Shale	3567	3943	T.D. - Odor
Balltown	3943	4604	
Shale	4604	4632	
Riley	4632	4716	
Shale	4716	4868	
2nd Riley	4868	4949	
Shale	4949	4984	
3rd Riley	4984	5033	
Shale	5033	5060	
Benson	5060	5071	
Shale	5071	5306	
Alexander	5306	5386	
Sand & Shale	5386	5630	
T.D.	5630		

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

Well Operator: KEY OIL COMPANY ⁴⁷⁵ 28658 0 534
 Operator's Well Number: HUDKINS #3 3) Elevation: 1170'

Well type: (a) Oil X / or Gas X /
 (b) If Gas: Production X / Undergound Storage /
 Deep / Shallow X /
 Issued 07/11/96
 Expires 07/11/98

Proposed Target Formation(s): ALEXANDER
 Proposed Total Depth: 5600 feet
 Approximate fresh water strata depths: 95', 290'
 Approximate salt water depths: -0-
 Approximate coal seam depths: NONE

Does land contain coal seams tributary to active mine? Yes / No X /
 Proposed Well Work: DRILL, STIMULATE, PRODUCE Qui-Nell

RECEIVED
 WV Division of
 Environmental Protection
 JUN 25 1996
 Permitting
 Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT per ft.	FOOTAGE FOR DRILLING	FOOTAGE INTERVALS	CEMENT
Conductor	11 3/4	ERW	42	30	0	
Fresh Water	8 5/8	ERW	23	1170	1170	0.6 mls.
Coal						315 SKS TO SURFACE
Intermediate						305 SKS
Production	4 1/2	J-55	10.5	5500	5500	355 SKS.
Tubing	1.5					305 SKS
Liners						

PACKERS : Kind Sizes Depths set

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat MW-9 MW-2B Bnd Agent
 (Type)

22235

RECEIVED
WV Division of
Environmental Protection

1) Date: JUNE 3, 1996
2) Operator's well number HUDKINS #3
3) API Well No: 47 - 017 - 4283
State County Permit

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

25655 / 1 / 538

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name ROBERT E. PHILLIPS 5) (a) Coal Operator:
Address RT. 1 BOX 44A Name NONE
GREENWOOD, WV 26360 Address _____
- (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
Address RI. 2 BOX 135 Name _____
SALEM, WV 26426 Address _____
Telephone (304) - 782-1043

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)

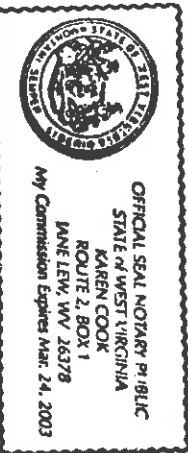
I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- 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.



By: [Signature] Well Operator KEY OIL COMPANY JAN CHAPMAN
Its: President
Address 22 GARTON PLAZA
WESTON, WV 26452
Telephone 304-269-7102

Subscribed and sworn before me this 3RD day of JUNE, 1996
[Signature] Notary Public
My commission expires MARCH 24, 2003