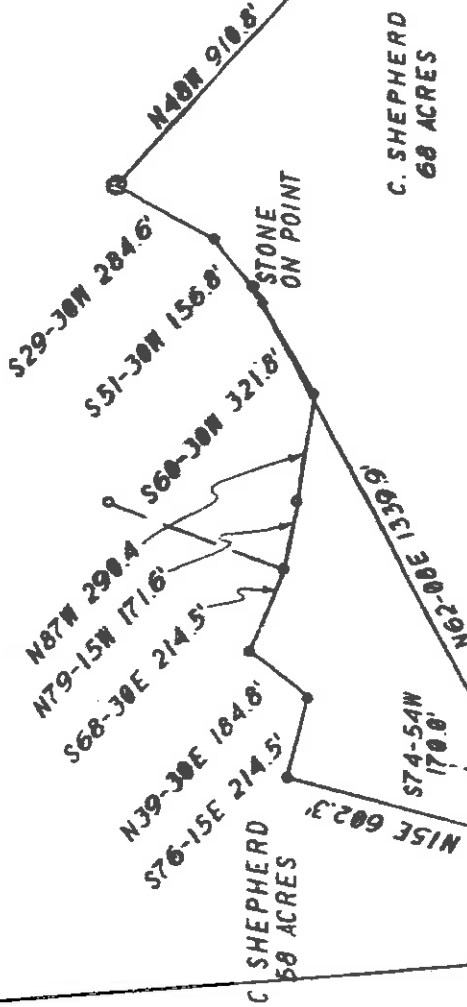


LATITUDE 39° 20' 00" LONGITUDE 80° 58' 00" 4.300' 3.850'

S. BRAKE 72.2 ACRES

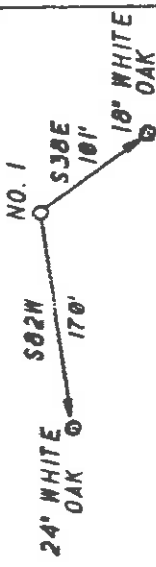
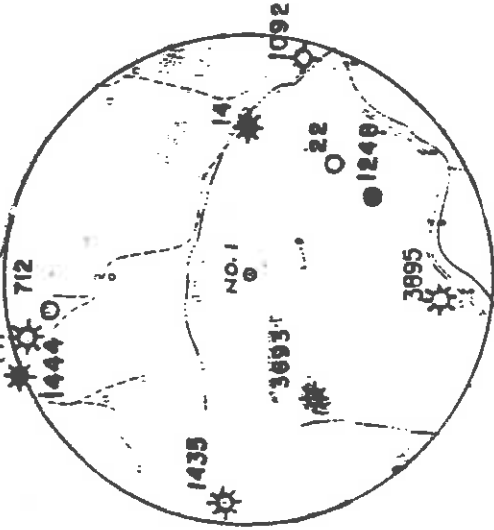


L. SHEPHERD 20 ACRES

C. SHEPHERD 68 ACRES

V. ANDREWS 24 ACRES

ROUTE 26



REFERENCE POINTS

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.



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

DATE APRIL 18 19 94
OPERATORS WELL NO. A. DOTSON I

L.L.S. Neal Hughes
632 WELL NO. 47 STATE 017 COUNTY PERMIT 4125

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 94-30
PROVEN SOURCE OF ELEVATION KNOB 1130' SCALE 1"=500'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL *GAS PRODUCTION STORAGE DEEP SHALLOW
LOCATION ELEVATION 1080' WATERSHED LONG RUN
DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE WEST UNION 415
SURFACE OWNER CARROLL SHEPHERD ACREAGE 68 SC
ROYALTY OWNER ARLINGTON DOTSON, HEIRS LEASE ACREAGE 68

COUNTY NAME

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) ALEXANDER TARGET FORMATION 5500' ESTIMATED DEPTH

WELL OPERATOR KEY OIL CO. ADDRESS 22 GARTON PLAZA

DESIGNATED AGENT JAN CHIAPMATE ADDRESS 22 GARTON PLAZA

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

JUL 08 1994

Well Operator's Report of Well Work

Farm ~~WAYNE~~ **WISNISH** ~~PH~~ **ERD**, CARROLL Operator Well No.: A. DOTSON #1
Environmental Protection
LOCATION: Elevation: 1,080.00 Quadrangle: WEST UNION

District: CENTRAL County: DODDRIDGE
Latitude: 3850 Feet South of 39 Deg. 20Min. Sec.
Longitude 4300 Feet West of 80 Deg. 50 Min. Sec.

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 05/11/94
Well work Commenced: 6-9-94
Well work Completed: 6-15-94
Verbal Plugging
Permission granted on: _____ Rig
Rotary Cable _____
Total Depth (feet) 5463
Fresh water depths (ft) 79'
Salt water depths (ft) 1500'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 1527' to 1530'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
11 3/4"	134	134	80 sks. to surface
8 5/8"	1628	1628	430 sks. to surface
4 1/2"		5318	255 sks.
1.5"		5222	

OPEN FLOW DATA

Riley
Benson

Producing formation Riley Benson
Gas: Initial open flow 60 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 750 MCF/d Final open flow Show Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 1600 psig (surface pressure) after 96 Hours


Second producing formation

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 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.

JUL 15 1994

For: KEY OIL COMPANY

By:  President
Date: July 8, 1994

47-017-4125
A. Dotson #1
Details of Perforated Intervals & Fracturing
Halliburton - 3 Stage Foam Frac

1st Stage: Alexander (11 holes) (5245.75'-5269.25') 60 Quality Foam, 750 gal. 15% HCl, 30,000 lbs. 20-40 sand, 358,000 SCF N₂, 525 BBLs. Foamed Fluid.

2nd Stage: Benson (10 holes) (4954-4956.25) 75 Quality Foam, 750 gal. 15% HCl, 30,000 lbs. 20-40 sand, 433,000 SCF N₂, 520 BBLs. Foamed Fluid.

3rd Stage: Riley (16 holes) (4530.75'-4578') 60 Quality Foam, 1250 gal. 15% HCl, 10,000 lbs. 80-100 sand, 40,000 lbs. 20-40 sand, 481,000 SCF N₂, 753 BBLs. Foamed Fluid.

WELL LOG

FORMATION	TOP FEET	BOTTOM FEET	REMARKS
Sand, shale, red rock	0	1908	1/4" Stream H ₂ O @ 79' Hole damp at 1500' Put soap pump on hole at 1592' <u>Gas Checks:</u> 1821' N/S 2039' Odor 2508' NS/Odor 3006' 12/10 thru 2" w/water 3534' 2/10 thru 2" w/water 4718' N/S 5080' N/S 5463 (T.D.) 2/10 thru 2" w/water
Little Lime	1908	1924	
Big Lime	1924	2080	
Big Injun	2080	2126	
Sand and shale	2126	2280	
Weir	2280	2384	
Sand and shale	2384	4524	
Riley	4524	4582	
Sand and shale	4582	4952	
Benson	4952	4962	
Sand and shale	4962	5220	
Alexander	5220	5274	
Sand and shale	5274	5463 T.D.	

86061

Date: April 22, 1994
Operator's well number
Arlington Dotson #1
API Well No: 47 - 017 - 4125
State - County - Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:

(a) Name Carroll Sheppard 5) (a) Coal Operator:
Address Rt. 1 Box 34 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 Rt. 2 Box 433 Name _____
Salem, WV 26426 Address _____
Telephone (304) - 782-043

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 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B 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 22B 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.



GENERAL SEAL, NOTARY PUBLIC
STATE OF WEST VIRGINIA
KATHA COOK
ROUTE 2, BOX 1
JANE WY, WV 26378

My Commission Expires: Apr 24, 2003

Subscribed and sworn before me this 22nd day of April, 1994

By: Katha Cook Notary Public
Address 72 Barton Plaza
Weston, WV 26452
Telephone 304-269-7102

My commission expires March 21, 2003