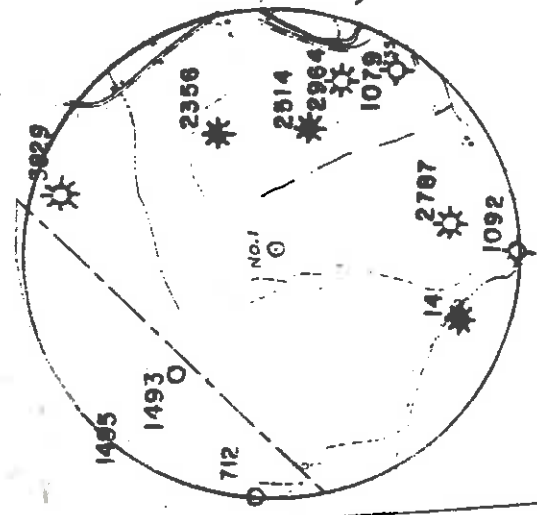


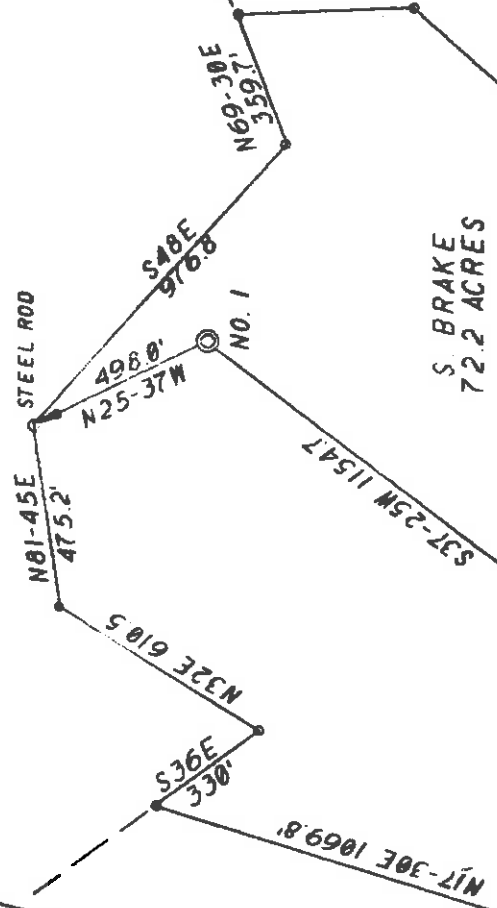
2200' 1975'

LATITUDE 39°20'00"

LONGITUDE 80°50'00"



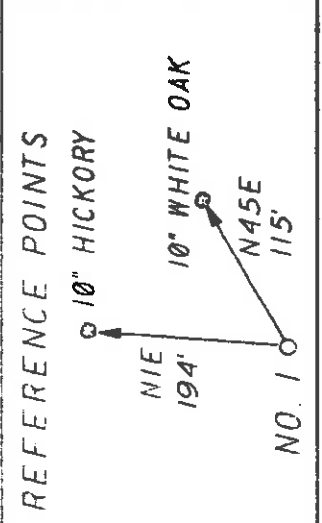
L. JAMES 88 ACRES



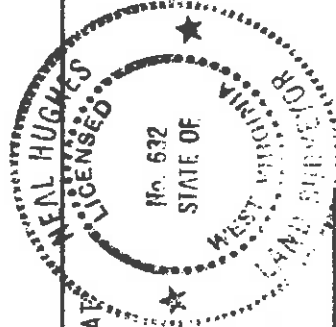
S. BRAKE 72.2 ACRES

L. JAMES 43 ACRES

C. SHEPHERD 139 ACRES



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.



(+) IDENTIFIES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE APRIL 18 19 94
 OPERATORS WELL NO. C. DOTSON 1

L.L.S. *Neal Hughes*
 632

API WELL NO. 47 STATE 017 COUNTY PERMIT 4123

MINIMUM DEGREE OF ACCURACY 11200 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 IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1078' WATERSHED LONG RUN
 DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE WEST UNION 415
 SURFACE OWNER SAMUEL J. BRAKE ACREAGE 79.2
 ROYALTY OWNER CISCO DOTSON, HEIRS LEASE ACREAGE 79.2
 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
 ESTIMATED DEPTH 5500'

WELL OPERATOR KEY OIL CO. DESIGNATED AGENT JAN CHAPMAN
 ADDRESS 22 GARTON PLAZA ADDRESS 22 GARTON PLAZA

RECEIVED

OFFICE OF OIL AND GAS

State of West Virginia

Division of Environmental Protection
Section of Oil and Gas

JUL 08 1994

API # 47- 17-04123

06-May-94

WV Division of Well Operator's Report of Well Work

Farm Environmental Protection

Operator Well No.: C, DOTSON #1

LOCATION: Elevation: 1,078.00 Quadrangle: WEST UNION

District: CENTRAL County: DODDRIDGE

Latitude: 1975 Feet South of 39 Deg. 20Min. Sec.

Longitude 2200 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: 05/09/94
Well work Commenced: 5-26-94
Well work Completed: 6-2-94
Verbal Plugging
Permission granted on: _____ Rig
Rotary X Cable
Total Depth (feet) 5436
Fresh water depths (ft) -0-

Salt water depths (ft) 1519, 2040

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

OPEN FLOW DATA

Riley
Benson

Producing formation Alexander

4522-4580
4952-4962

Gas: Initial open flow 73 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1061 MCF/d Final open flow Show Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock pressure 1525 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.

For: KEY OIL COMPANY

BY:  President
Date: June 4, 1994

JUL 15 1994

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	132	132	70 sks. to surface
8 5/8"	1658	1658	430 sks. to surface
4 1/2"		5333	255 sks.
2 3/8"		5178	

3 Stage Foam Frac
Halliburton

1st Stage: Alexander (11 holes) (5249.75' -5271.25') 60 Quality Foam, 750 gal. 15% HCl, 30,000 lbs. 20-40 sand, 358,000 SCF N₂, 524 BBLs. Foam

2nd Stage: Benson (10 holes) (4955.50' -4957.75') 75 Quality Foam, 750 gal. 15% HCl, 25,000 lbs. 20-40 sand, 397,000 SCF N₂, 471 BBLs. Foam

3rd Stage: Riley (14 holes) (4525' -4576.75') 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. Foam

WELL LOG

FORMATION	TOP FEET	BOTTOM FEET	REMARKS
Sand, shale, & red rock	0	1904	
Little Lime	1904	1925	1/2" Stream H ₂ O @ 1519'
Sand & Shale	1925	1945	1/2" Stream H ₂ O @ 2040'
Big Lime	1945	2082	
Big Injun	2082	2120	
Sand & Shale	2120	2275	
Weir Sand	2275	2390	
Sand & Shale	2390	4522	3000' N/S
Riley	4522	4580	4054' N/S
Sand & Shale	4580	4952	4721' 2/10 thru 2" w/water
Benson	4952	4962	5124' 2/10 thru 2" w/water
Sand & Shale	4962	5222	5436' 2/10 thru 2" w/water
Alexander	5222	5276	4 1/2" on Bottom: 3/10 thru 2" w/water
Sand & Shale	5276	5436	
T.D.	5436		

08061

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
Office of Oil & Gas
WELL WORK PERMIT APPLICATION

1) Well Operator: 475 Key Oil Company 25655 1 671
Operator's Well Number: Cisco Dotson #1 3) Elevation: 107

Well type: (a) Oil X / or Gas X /
(b) If Gas: Production X / Underground Storage
Deep / Shallow X

5) Proposed Target Formation(s): Alexander 439
6) Proposed Total Depth: 5500 feet
7) Approximate fresh water strata depths: 120'
8) Approximate salt water depths: -0-
9) Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? Yes / No
11) Proposed Well Work: Drill, Stimulate, Produce
12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEME
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16"	Used		30	0	
Fresh Water	11 3/4"	ERW	42	132	132	70 sks. to surface.
Coal						
Intermediate	8 5/8"	ERW	23	1600	1600	420 sks. to surface.
Production	4 1/2"	J-55	10.5		5350	255 sks.
Tubing	1.5"					
Liners						

PACKERS : Kind
Sizes
Depths set

05/12/96
Fee(s) paid: Well Work Permit Reclamation Fund WP

APR 22 1994
Office of Oil & Gas

1) Date: April 22, 1994
2) Operator's well number
Cisco Dotson #1
3) API Well No: 47 - 017 - 4123
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 Samuel J. Brake 5) (a) Coal Operator:
Address 25006 Oak Drive Name None
Damascus, MD 20872 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 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 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.



OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
KAFEN COOK
ROUTE 2, BOX 1
JANE LEW, WV 25378
My Commission Expires Mar. 24, 2003

Well Operator Jane Lew Key Oil Company
BY: _____ President
Its: _____
Address 22 Garton Plaza
Weston, WV 26452
Telephone 304-269-7102

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

Jane Cook Notary Public
My commission expires March 24, 2003