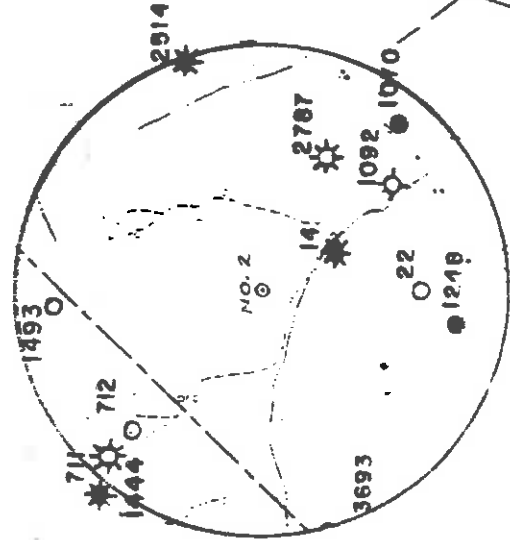
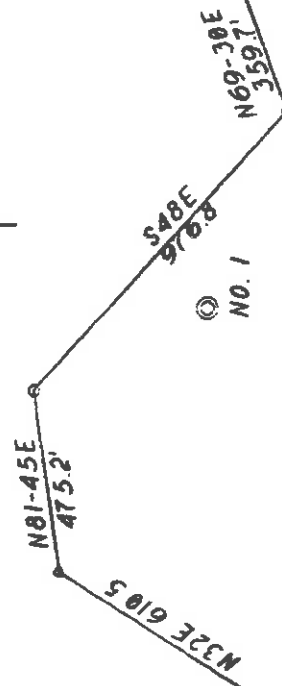


3.800' LATITUDE 39°20'00" 3.125' LONGITUDE 80°50'00"

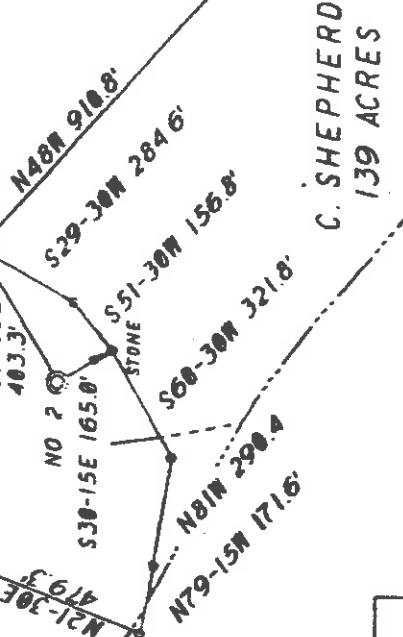


L. JAMES 88 ACRES



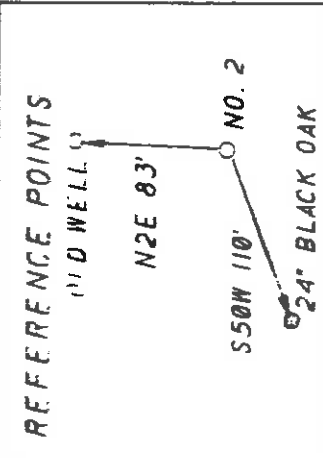
S. BRAKE 72.2 ACRES

16' HICKORY

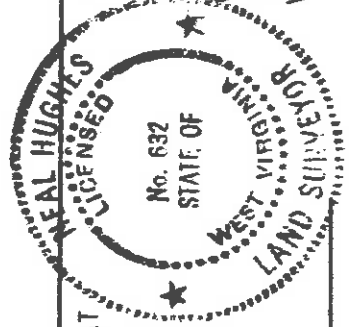


L. JAMES 43 ACRES

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.



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

DATE APRIL 18, 19 94 OPERATORS WELL NO. C. DOTSON 2 API WELL NO. 47 - 017 - 4124 PERMIT

L.L.S. Neal Hughes

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 X GAS X LIQUID INJECTION X WASTE DISPOSAL X GAS PRODUCTION X STORAGE X DEEP X SHALLOW X LOCATION: ELEVATION 902' WATERSHED LONG RUN DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE WEST UNION AC ACREAGE 72.2 ROYALTY OWNER CISCO DOTSON, HEIRS LEASE ACREAGE 72.2 PROPOSED WORK: DRILL X CONVERT X DRILL DEEPER X REDRILL X FRACTURE OR STIMULATE X PLUG OFF OLD INFORMATION 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 5500'

COUNTY NAME PERMIT

WELL OPERATOR KEY OIL CO. DESIGNATED AGENT JAN CHAPMAN 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- 17-04124

06-May-94

WV Division of

Well Operator's Report of Well Work

Environmental Protection
SAMUEL J.

Operator Well No.: C. DOTSON #2

LOCATION: Elevation: 902.00

Quadrangle: WEST UNION

District: CENTRAL

County: DODDRIDGE

Latitude: 3125 Feet South of 39 Deg. 20Min. Sec.
Longitude 3800 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: 6-3-94

Well work Completed: 6-9-94

Verbal Plugging

Permission granted on: Rig

Rotary Cable 5216

Total Depth (feet) 80, 250, 325

Fresh water depths (ft) -0-

Salt water depths (ft) -0-

Is coal being mined in area (Y/N)? N

Coal Depths (ft): 80-82, 368-372

OPEN FLOW DATA

Riley

Benson

Producing formation Alexander

Gas: Initial open flow 15 MCF/d Oil: Initial open flow 0 Pay zone depth (ft) 5072-5126

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 1550 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 Bbl/d

Static rock pressure psig (surface pressure) after Hours

4376-4434

4802-4812

5072-5126

Bbl/d

Show

Bbl/d

Hours

96

Hours

Bbl/d

Bbl/d

Hours

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: *[Signature]* President

Date: July 8, 1994

JUL 15 1994

47-017-4124
 C. Dotson #2
 Details of Perforated Intervals & Fracturing
 Halliburton - 3 Stage Foam Frac

1st Stage: Alexander (10 holes) (5099.50-5118.50) 60 Quality Foam, 750 gal. 15% HCl, 30,000 lbs. 20-40 sand, 358,000 SCF N₂, 552 BBL. Foam.

2nd Stage: Benson (10 holes) (4806-4808.25) 75 Quality Foam, 750 gal. 15% HCl, 25,000 lbs. 20-40 sand, 397,000 SCF N₂, 469 BBL. Foam.

3rd Stage: Riley (16 holes) (4375.50-4430.25) 60 Quality Foam, 1250 gal. 15% HCl, 10,000 lbs. 80-100 sand, 40,000 lbs. 20-40 sand, 481,000 SCF N₂, 751 BBL. Foam.

WELL LOG

FORMATION	TOP FEET	BOTTOM FEET	REMARKS
Sand, shale, red rock	0	1612	
Maxton	1612	1638	Hole Damp at 80'
Sand and shale	1638	1762	1/2" Stream H ₂ O at 250'
Little Lime	1762	1802	1" Stream H ₂ O at 325'
Big Lime	1802	1917	<u>Gas Checks:</u>
Big Injun	1917	1966	1634'
Sand and shale	1966	2130	N/S
Weir	2130	2250	1822'
Sand and shale	2250	4376	1978'
Riley	4376	4434	3005'
Sand and shale	4434	4802	3536'
Benson	4802	4812	4005'
Sand and shale	4812	5072	4626'
Alexander	5072	5126	4904'
Sand and shale	5126	5216	Gas at Drill Collars: 2/10 thru 1" w/water
			T.D.

1801

Permitting
Office of DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION
475
Key Oil Company 25655 (D) 671

1) Well Operator: Key Oil Company 25655 (D) 671

2) Operator's Well Number: Cisco Dotson #2 3) Elevation: 902

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

Proposed Target Formation(s): Alexander 439

Proposed Total Depth: 5400 feet

Approximate fresh water strata depths: 90

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	SIZE	GRADE	Weight per ft.	Footage	Left in well	Fill-up (cu. ft)
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	125	125	320 SKS. TO SURFACE.
Production	4 1/2"	J-55	10.5	500	500	250 SKS.
Tubing	1.5"					
Liners						

PACKERS : Kind _____ Sizes _____ Depths set _____

For Division of Oil and Gas Use Only
 Fee(s) paid: Well Work Permit Reclamation Fund WP
 Plat WW-2 WW-2B 300

02/12/94

APR 25 94

1) Date: April 22, 1994
2) Operator's well number
Cisco Dotson #2
3) API Well No: 47 - 017 - 4124
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
Address 25006 Oak Drive
Damascus, MD 20872

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector Mike Underwood
Address Rt. 2 Box 135
Salem, WV 26426
Telephone (304) - 782-1043

5) (a) Coal Operator:
Name None
Address _____

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

(c) Coal Lessee with Declaration
Name _____
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 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.



My Commission Expires Mar. 24, 2003

OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
KAREN COCK
ROUTE 2, BOX 1
JANE LEW, WV 26378

Well Operator Karen Cock Key Oil Company
Its Resident
Address 22 Garton Plaza
Weston, WV 26452
Telephone 304-269-7102

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

Karen Cock Notary Public
My commission expires MARCH 24, 2003