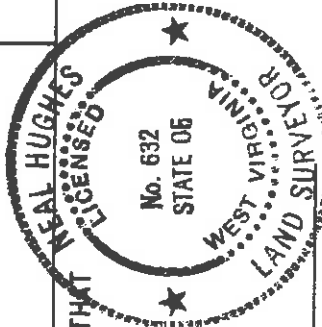


(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE APRIL 24, 19 95
 OPERATORS WELL NO. BEE 10



I THE UNDERSIGNED, DO HEREBY CERTIFY THAT THIS PLAN 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. 632 *Neal Hughes*
 API WELL NO. 47 -- 017 01206 PERMIT
 STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 94-74
 PROVEN SOURCE OF ELEVATION KNOB 1145' SCALE 1"=400'

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION ELEVATION 863' WATERSHED CLAYLICK RUN
 DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE WEST UNION SE ACREAGE 17.13
 SURFACE OWNER INA BEE LEASE ACREAGE 30
 ROYALTY OWNER INA BEE, ET AL
 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
 COUNTY NAME PERMIT ESTIMATED DEPTH 5400'

WELL OPERATOR KEY OIL CO. 425 DESIGNATED AGENT JAN CHAPMAN JUL 14 1995
 ADDRESS 22 GARTON PLAZA ADDRESS 1-6133 22 GARTON PLAZA
 WEST GARTON WV 26420 WEST GARTON WV 26420

SEP 27 1995

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

API # 47- 17-04206

12-Jul-95

Permitting

Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: BEE, LIVINGSTON S.

Operator Well No.: Bee #10

LOCATION: Elevation: 863.00

Quadrangle: WEST UNION

District: CENTRAL

County: DODDRIDGE

Latitude: 10400 Feet South of 39 Deg. 17Min. 30 Sec.

Longitude 11000 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: KEY OIL CO.

22 GARTON PLAZA
WESTON, WV 26452-0000

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD

Permit Issued: 07/12/95

Well work Commenced: 08-25-95

Well work Completed: 08-30-95

Verbal Plugging

Permission granted on:

Rotary Cable Rig

Total Depth (feet) 5296'

Fresh water depths (ft) 60'

Salt water depths (ft) 1104'

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

Coal Depths (ft): 290' - 300'

OPEN FLOW DATA

Balltown
Riley
Benson

Producing formation Alexander

Gas: Initial open flow 15 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 1,400 MCF/d Final open flow Show Bbl/d

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

Static rock Pressure 1800 psig (surface pressure) after 96 Hours

Second producing formation _____ Pay zone depth (ft) _____

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 CO.

BY: 
Date: September 18, 1995 President

SEP 27 1995

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	25	25	
11 3/4"	217	217	120 sks. to surface
8 5/8"	1464	1464	380 sks. to surface
4 1/2"		5244	450 sks.
1.5"		5080	

3706-4312
4387-4406
4812-4818

Pay zone depth (ft) 5080-5146

Initial open flow 0 Bbl/d

Final open flow Show Bbl/d

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

Static rock Pressure after 96 Hours

Pay zone depth (ft) _____

Initial open flow _____ Bbl/d

Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure after _____ Hours

Bee #10 (47-017-4296)
Four Stage Foam Frac - Halliburton

1st Stage: Alexander (11 holes)
(5100' -5117.75') 60 Quality Foam, 750 gal. 15% HCl,
60,000 lbs. 20-40 sand, 519,000
SCF N₂, 808 bbls. foamed fluid.

2nd Stage: Benson (10 holes)
(4813.00' -4815.25') 75 Quality Foam, 750 gal. 15% HCl,
30,000 lbs. 20-40 sand, 450,000
SCF N₂, 518 bbls. foamed fluid.

3rd Stage: Lower Balltown & Riley
(10 holes)
(4813.00' -4815.25') 60 Quality Foam, 750 gal. 15% HCl,
10,000 lbs. 80-100 sand, 508,000
SCF N₂, 610 bbls. foamed fluid.

4th Stage: Balltown (11 holes)
(3710.75' -4001.75') 60 Quality Foam, 750 gal. 15% HCl,
10,000 lbs. 80-100 sand, 445,000
SCF N₂, 600 bbls. foamed fluid.

Formation	Top Feet	Bottom Feet	Remarks
F-111	0	10	
Sand & Shale	10	60	1 1/2" stream water at 60'
Red Rock & Shale	60	160	Hole damp at 1104'
Sand & Shale	160	237	
Sand, Shale & Red Rock	237	265	
Sand	265	290	
Coal	290	300	
Sand & Shale	300	420	
White Sand	420	460	1754' N/S
Sand & Shale	460	540	1909' N/S
Shale & Red Rock	540	600	2066' N/S
Sand & Shale	600	1382	2520' N/S
Salt Sand	1382	1470	3021' N/S
Shale	1470	1806	3516' N/S
Little Lime	1806	1830	4013' 2/10 thru 1" w/water
Pencil Cave	1830	1850	4510' 2/10 thru 1" w/water
Big Lime	1850	1930	5036' 2/10 thru 1" w/water
Big Injun	1930	1976	5296' T.D. 2/10 thru 1" w/water
Sand & Shale	1976	2138	
Weir	2138	2248	
Sand & Shale	2248	3230	
Warren	3230	3266	
Sand & Shale	3266	3376	
Speechley	3376	3384	
Sand & Shale	3384	3706	
Balltown Sand & Shale	3706	4312	
Sand & Shale	4312	4387	
Riley	4387	4406	
Sand & Shale	4406	4812	
Benson	4812	4818	
Sand & Shale	4818	5080	
Alexander	5080	5146	
Shale	5146	5296	
T.D.	5296		

Well Log

Gas Checks:

Permitting STATE OF WEST VIRGINIA

Expires 17/12/99

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

WELL WORK PERMIT APPLICATION

Well Operator: Key Oil Company 25650 ① 671

Operator's Well Number: Bee #10 863' 3) Elevation: _____

Well type: (a) OIL or Gas
(b) If Gas: Production Undergound Storage
Shallow Deep Alexander

- 5) Proposed Target Formation(s): _____
- 6) Proposed Total Depth: 5200 feet
- 7) Approximate fresh water strata depths: 75'
- 8) Approximate salt water depths: -0-
- 9) Approximate coal seam depths: None

10) Does land contain coal seams tributary to active mine? Yes No

11) Proposed Well Work: Drill, Stimulate, Produce *New Well*

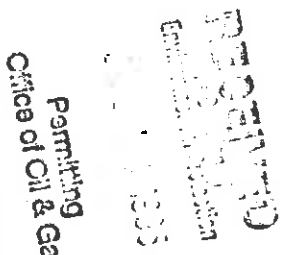
12)

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT PER FT.	FOOTAGE FOR DRILLING	LEFT IN WELL	FILL-UP (cu. ft)	REMARKS
Conductor	16	USED		30	0		3859911.3
Fresh Water	11 3/4	ERW	42	220	220	110 sks. to surface	3859911.2
Coal							
Intermediate	8 5/8	ERW	23	1400	1400	377 sks. to surface	
Production	4 1/2	J-55	10.50	5140	5140	400 sks.	
Tubing	1.5						
Liners							3859911.7

PACKERS: Kind _____ Sizes _____ Depths sec _____

For Division of Oil and Gas Use Only
Fees paid: Well Work Permit Reclamation Fund
State WV-18 8000 LC Blanket R



1) Date: July 5, 1995
2) Operator's well number Bee #10
3) API Well No: 47 - 017 - 4206
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Livingston S. Bee 5) (a) Coal Operator: Name None
 Address Rt. 1 Box 240A Address _____
West Union, WV 26456
- (b) Name _____ (b) Coal Owner(s) with Declaration Name _____
 Address _____ Address _____
- (c) Name _____ Name _____
 Address _____ Address _____
- 6) Inspector Mike Underwood (c) Coal Lessee with Declaration Name _____
 Address Rt. 2 Box 135 Address _____
Salem, WV 26426
 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.

Well Operator Key Oil Company
 BY: [Signature]
 Its: President
 Address 22 Garton Plaza
Weston, WV 26452
 Telephone 304-269-7102

Subscribed and sworn before me this 5th day of JULY 1995

My commission expires March 24, 2003

