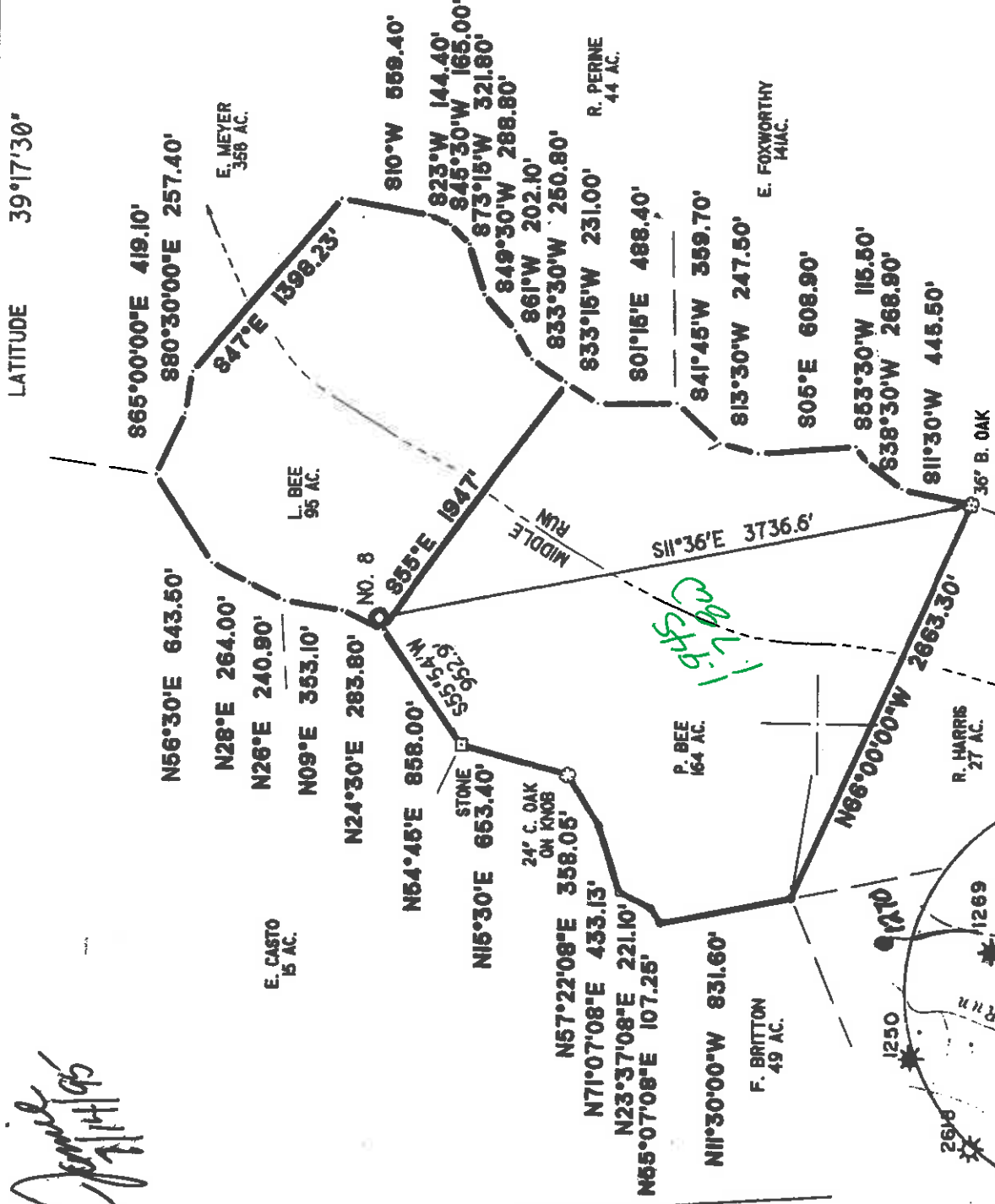


9,300'

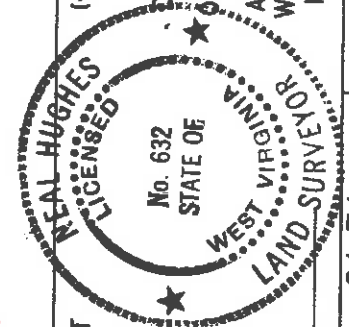
LATITUDE 39°17'30"

LONGITUDE 80°47'30"



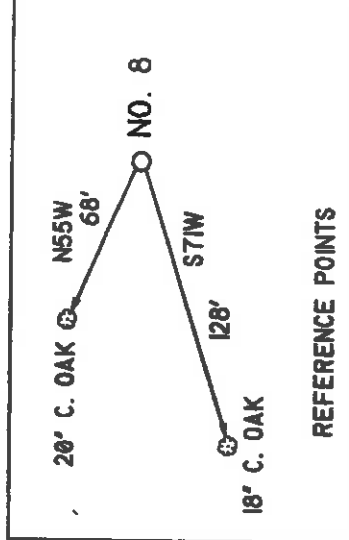
NORTH

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 APRIL 24, 1995
API OPERATORS WELL NO. BEE 8



REFERENCE POINTS

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 94-74
PROVEN SOURCE OF ELEVATION KNOB 1145' SCALE 1"=1000'
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION DEEP SHALLOW
LOCATION: ELEVATION 1110' WATERSHED MIDDLE RUN
DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION SE
SURFACE OWNER LIVINGSTONE S. BEE ACREAGE 46
ROYALTY OWNER LIVINGSTON BEE, ET AL LEASE ACREAGE 356.5
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 5400' 5495'

COUNTY NAME PERMIT
WELL OPERATOR KEY OIL CO. 475 DESIGNATED AGENT JAN CHAPMAN JUL 1 1995
ADDRESS 22 GARTON PLAZA ADDRESS 22 GARTON PLAZA
WEST VIRGINIA 26400 WEST VIRGINIA 26400

Operry
7/14/95

*f.82
4.01*

*1976
1976*

WEST VIRGINIA 26400

SEP 27 1995

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

API # 47- 17-04204

12-Jul-95

Permitting

Office of Oil & Gas Well Operator's Report of Well Work

Farm name: BEE, LIVINGSTON S. Operator Well No.: Bee #8

LOCATION: Elevation: 1,110.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
Latitude: 10150 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 9300 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: 07-31-95
Well work Completed: 08-05-95
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 5576'
Fresh water depths (ft) 110'

Salt water depths (ft) 732'
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 809' - 814'

OPEN FLOW DATA

Balltown Sands
Riley
Benson

Producing formation Alexander
Gas: Initial open flow 26 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1,391 MCF/d Final open flow Show Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 1750 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 CO.

By: *Jan Chapman* President
Date: September 18, 1995

SEP 20 1995

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
11 3/4"	132	132	70 sks. to surface
8 5/8"	1655	1655	445 sks. to surface
4 1/2"		5463	400 sks.
1.5"		5330	

4026-4256
4635-4670
5062-5068
5324-5394

Bee #8 (47-017-4204)
Four Stage Foam Frac - Halliburton

1st Stage: Alexander (12 holes) (5350.50' -5375.75') 60 Quality Foam, 750 gal. 15% HCl, 60,000 lbs. 20-40 sand, 490,000 SCF N₂, 811 bbls. foamed fluid.

2nd Stage: Benson (10 holes) (5063.00' -5067.75') 75 Quality Foam, 750 gal. 15% HCl, 30,000 lbs. 20-40 sand, 423,000 SCF N₂, 522 bbls. foamed fluid.

3rd Stage: Riley (10 holes) (4636.25' -4649.00') 60 Quality Foam, 750 gal. 15% HCl, 10,000 lbs. 80-100 sand, 30,000 lbs. 20-40 sand, 508,000 SCF N₂, 613 bbls. foamed fluid.

4th Stage: Balltown (10 holes) (4039.50' -4245.75') 60 Quality Foam, 750 gal. 15% HCl, 10,000 lbs. 80-100 sand, 30,000 lbs. 20-40 sand, 445,000 SCF N₂, 607 bbls. foamed fluid.

Well Log

Formation	Top Feet	Bottom Feet	Remarks
F111	0	10	
Shale	10	45	1/2" stream water at 110'
Red Rock & Shale	45	809	3/4" stream water at 732'
Coal	809	814	
Sand	814	829	
Shale	829	1383	
Salt Sand & Shale	1383	1664	Gas Checks:
Shale	1664	1964	
Sand	1964	1978	1908' N/S
Shale	1978	2050	1970' N/S
Little Lime	2050	2079	2157' N/S
Pencil Cave	2079	2091	2502' N/S
Big Lime	2091	2170	3003' N/S
Big Injun	2170	2224	3594' N/S
Shale	2224	2384	4213' 4/10 thru 1" w/water
Weir	2384	2500	4803' 4/10 thru 1" w/water
Sand & Shale	2500	3474	5576' T.D. 6/10 thru 1" w/water
Warren	3474	3506	
Sand & Shale	3506	3616	
Speechley	3616	3624	
Sand & Shale	3624	4026	
Balltown Sands	4026	4256	
Sand & Shale	4256	4635	
Riley	4635	4670	
Sand & Shale	4670	5062	
Benson	5062	5068	
Sand & Shale	5068	5324	
Alexander	5324	5394	
Shale	5394	5576	
T.D.	5576		

July 10 1995

Page 1 of _____
Form W2-A
(09/87)
File Copy

Permitting
Office of Oil & Gas

1) Date: July 5, 1995
2) Operator's well number Bee #8
3) API well No: 47 - 017 -
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
Address Rt. 1 Box 240A
West Union, WV 26456

(b) Name _____
Address _____

(c) Name _____
Address _____

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

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

Name _____
Address _____

(c) Coal Lessee with Declaration
Name _____
Address _____

6) Inspector Mike Underwood
Address Rt. 2 Box 135
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] President
Its: _____
Address 22 Garton Plaza
Weston, WV 26452
Telephone 304-269-7102

Subscribed and sworn before me this 5th July day of _____, 1995

My commission expires March 24, 2003

OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
KAREN COOK
ROUTE 2, BOX 1
JANE LEW, WV 26378
My Commission Expires Mar. 24, 2003