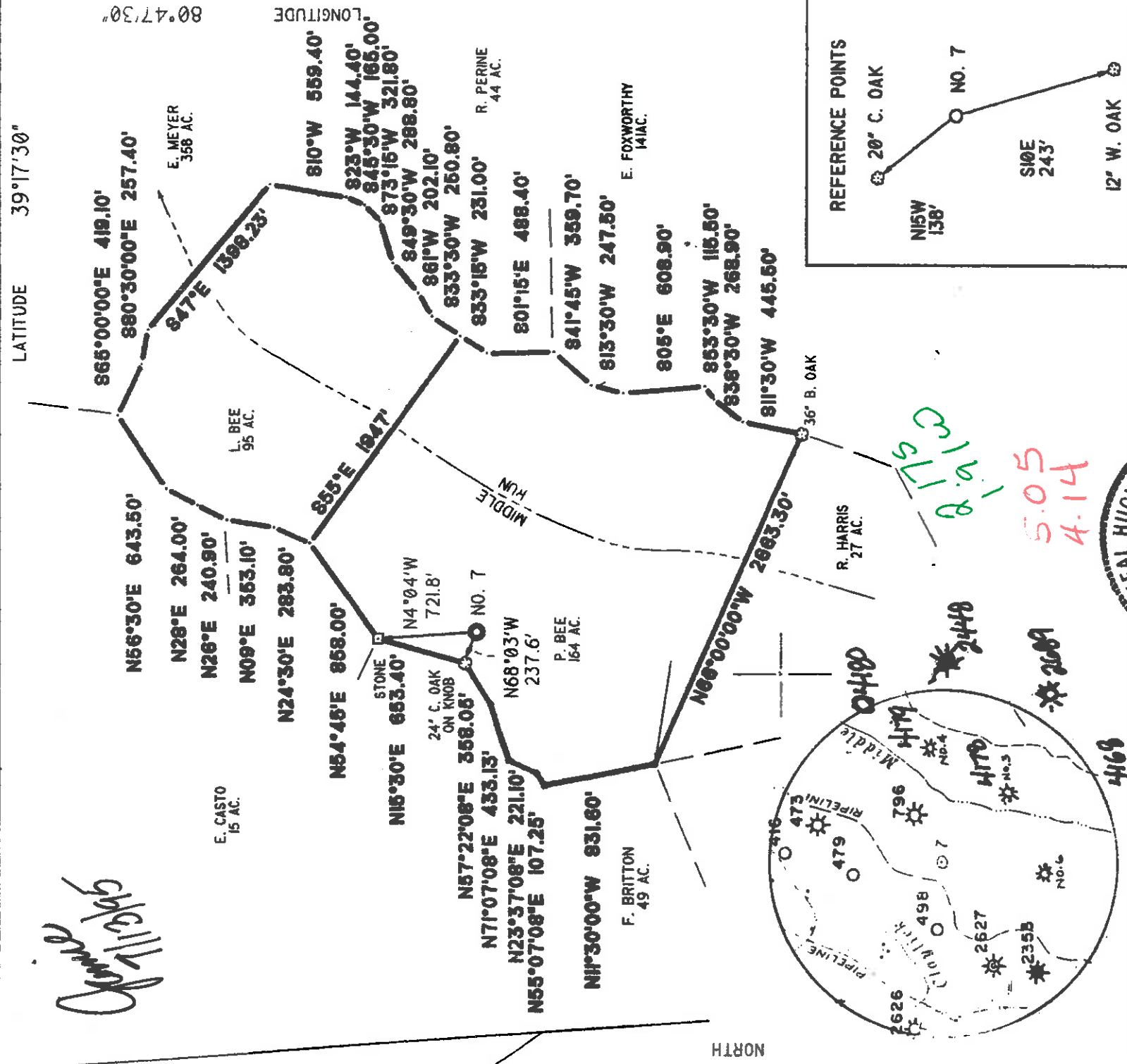


Opportunity
7/1/2015



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.

NEAL HUGHES
LICENSED
No. 632
STATE OF
WEST VIRGINIA
LAND SURVEYOR

DATE: APRIL 24, 1995
OPERATORS WELL NO.: BEE 7
API WELL NO.: 47 - 017-04203

L.L.S. *Neal Hughes*
632

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 'GAS' PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1085'. WATERSHED: MIDDLE RUN

DISTRICT: WEST UNION COUNTY DODDRIDGE
SURFACE OWNER: LEWIS PAUL BEE
ROYALTY OWNER: LIVINGSTON BEE, ET AL
QUADRANGLE: WEST UNION
ACREAGE: 94
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' 5420'

COUNTY NAME: COUNTY PERMIT
WELL OPERATOR: KEY OIL CO. 475 DESIGNATED AGENT: JAN CHAPMAN JUL 4 1995
ADDRESS: 22 GARTON PLAZA ADDRESS: 22 GARTON PLAZA

SEP 27 1995

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

12-Jul-95
API # 47- 17-04203

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: BEE, LEWIS PAUL Operator Well No.: Bee #7

LOCATION: Elevation: 1,085.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
Latitude: 11450 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 10000 Feet West of 81 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: 08-07-95
Well work Completed: 08-12-95
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 5481'
Fresh water depths (ft) -0'

Salt water depths (ft) 612'

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

OPEN FLOW DATA

Balltown Sands
Riley
Benson

Producing formation Alexander
Gas: Initial open flow 15 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1,426 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 27 1995

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"	1666	1666	440 sks. to surface
4 1/2"		5402	425 sks.
1.5"		5265	

3960-4202
4562-4606
4994-5000

Pay zone depth (ft) 5328
5254-5328

Bee #7 (47-017-4203)
Four Stage Foam Frac - Halliburton

1st Stage: Alexander (13 holes) (5285.75' - 5311.50')
60 Quantity Foam, 750 gal. 15% HCl, 60,000 lbs. 20-40 sand, 490,000 SCF N₂, 811 bbls. foamed fluid.

2nd Stage: Benson (10 holes) (4995.75' - 4998.00')
75 Quantity Foam, 750 gal. 15% HCl, 30,000 lbs. 20-40 sand, 423,000 SCF N₂, 521 bbls. foamed fluid.

3rd Stage: Riley (11 holes) (4568.25' - 4603.00')
60 Quantity 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 (11 holes) (3962.25' - 4179.75')
60 Quantity Foam, 750 gal. 15% HCl, 10,000 lbs. 80-100 sand, 30,000 lbs. 20-40 sand, 445,000 SCF N₂, 603 bbls. foamed fluid.

Formation	Top Feet	Bottom Feet	Remarks
Fill	0	10	
Shale	10	35	3/4" stream water at 612'
Sand & Shale	35	614	
Sand	614	687	
Sand & Shale	687	855	
Shale	855	950	
Salt Sand & Shale	950	1615	
Shale	1615	1979	Gas Checks:
Little Lime	1979	2014	
Pencil Cave	2014	2027	1907' N/S
Big Lime	2027	2102	2062' N/S
Big Injun	2102	2166	2527' N/S
Shale	2166	2371	3024' N/S
Weir	2371	2436	3523' N/S
Sand & Shale	2436	3380	4148' N/S
Warren	3380	3442	4893' 2/10 thru 1" w/water
Sand & Shale	3442	3552	5172' 2/10 thru 1" w/water
Speechley	3552	3560	5481' T.D. 2/10 thru 1" w/water
Sand & Shale	3560	3960	
Balltown Sands	3960	4202	
Sand & Shale	4202	4562	
Riley	4562	4606	
Sand & Shale	4606	4994	
Benson	4994	5000	
Shale	5000	5254	
Alexander	5254	5328	
Shale	5328	5481	
T.D.	5481		

Well Log

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

Drawn 07/12/95

Expires 07/12/97

Well Operator: Key Oil Company 475 25650 (8)

Operator's Well Number: Bee #7

1085'

3) Elevation: _____

Well type: (a) Oil or Gas

(b) IF Gas: Production Underground storage
 Deep Shallow

- 5) Proposed Target Formation(s): Alexander⁴³⁹
- 6) Proposed Total Depth: 5420 feet
- 7) Approximate fresh water strata depths: 100', 322'
- 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

CASING AND TUBING PROGRAM

TYPE	SIZE	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft)	REMARKS
Conductor	16	Used		30	0	28881811.3	
Fresh Water	11 3/4	ERW	42	132	132	70 SKS to surface	
Coal						439 SKS. to surface	
Intermediate	8 5/8	ERW	23	1630	1630	400 SKS.	
Production	4 1/2	J-55	10.50		5360		
Tubing	1.5						
Liners							

PACKERS : Kind

Sizes

Depths set

2025/2/23

For Division of Oil and Gas Use Only
 Fee(s) paid: Well Work Permit Reclamation Fund WF
 DATE: 07-12-95 BY: [Signature] ECRC: MC Blum = 26

RECEIVED

WV Division of
Environmental Protection

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

08/19 1995

1) Date: July 5, 1995
2) Operator's well number Bee #7
3) API Well No: 47 - 017 - 4203
State - County - Permit

Permitting
Office of Oil & Gas

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 Lewis Paul Bee 5) (a) Coal Operator:
Address Rt. 1 Box 240B Name None
West Union, WV 26456 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.

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
[Signature]
 My commission expires March 24, 2003

