

10,200'

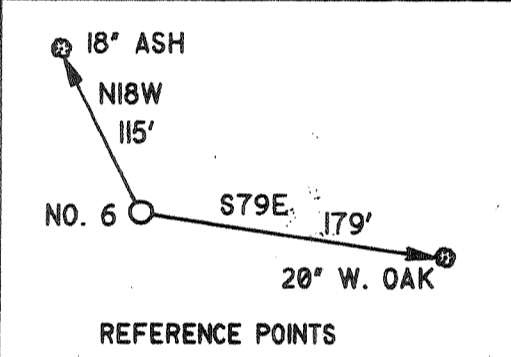
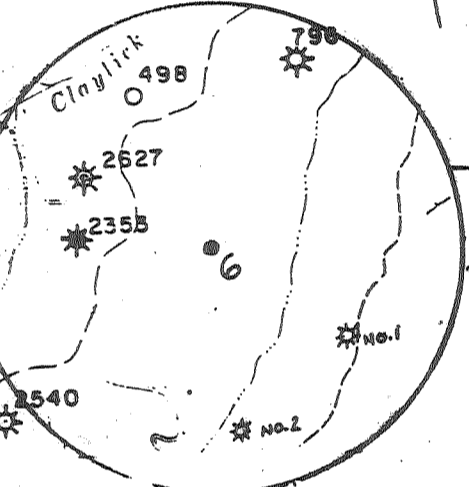
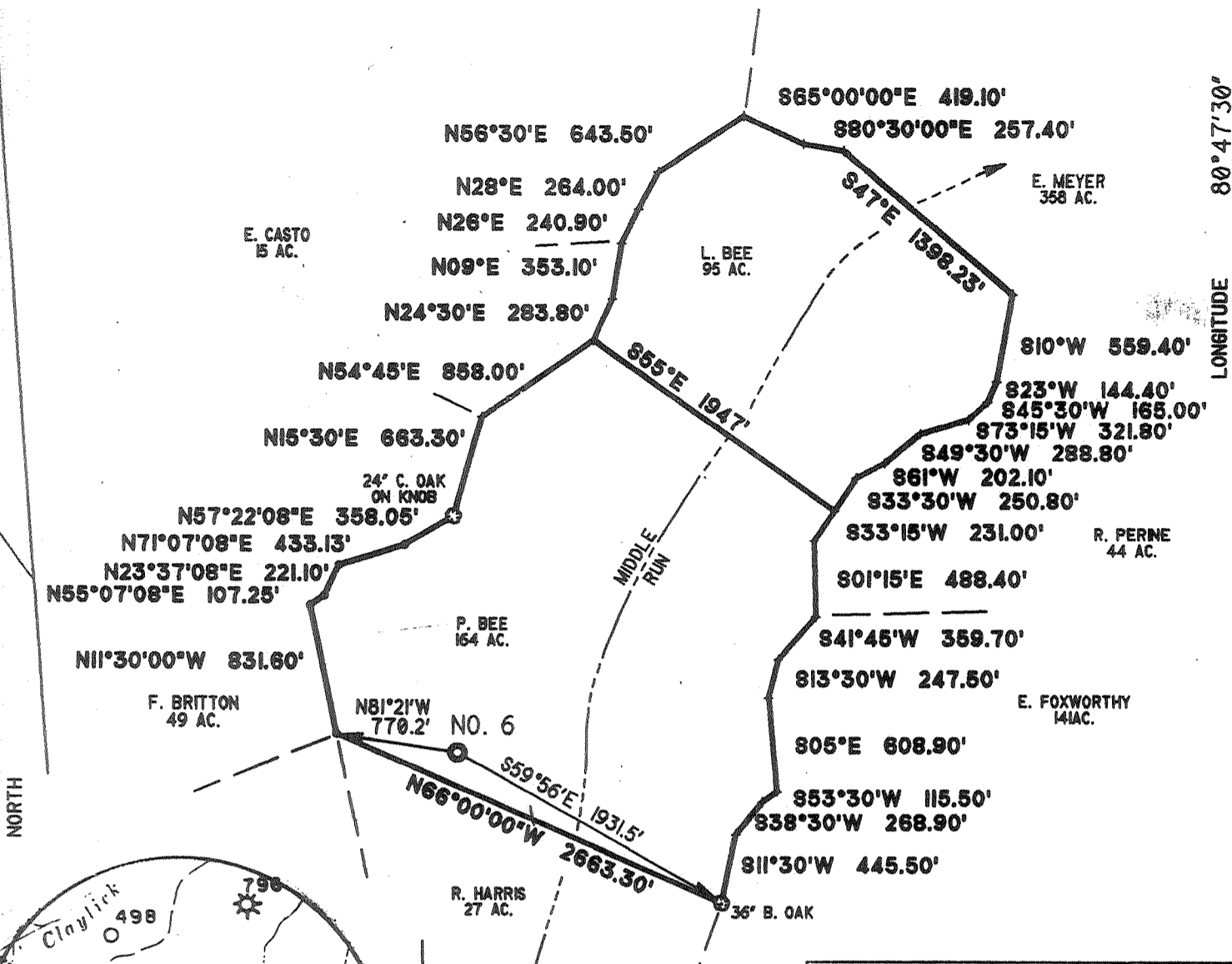
LATITUDE 39°17'30"

80°47'30"

12,950'

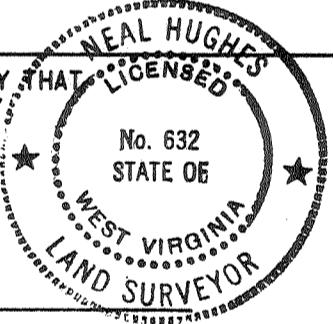
LONGITUDE

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. 632 *Neal Hughes*



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

DATE DEC. 23, 19 94

OPERATORS WELL NO. BEE 6

API WELL NO. 47 - 017 - 4181

STATE COUNTY PERMIT

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 STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1025' WATERSHED MIDDLE RUN

DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION SE

SURFACE OWNER LEWIS PAUL BEE ACREAGE 70

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'

COUNTY NAME PERMIT

WELL OPERATOR KEY OIL CO. 175 DESIGNATED AGENT JAN CHAPMAN

ADDRESS 22 GARTON PLAZA ADDRESS 22 GARTON PLAZA

WESTON WV 26452 6-6 133 WESTON WV 26452

FEB 27 1995

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

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: BEE, LEWIS PAUL Operator Well No.: BEE #6

LOCATION: Elevation: 1,025.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
Latitude: 12950 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 10200 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452-0000

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 01/06/95
Well work Commenced: 2-3-95
Well work Completed: 2-9-95
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig _____
Total Depth (feet) 5404
Fresh water depths (ft) 80, 609

Salt water depths (ft) -0-

Is coal being mined in area (Y/N)? N
Coal Depths (ft): -0-

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"	1586	1586	420 sks. to surface
4 1/2"		5346	350 sks.
1.5"		5224	

OPEN FLOW DATA

Balltown	3864-3930
Riley	4514-4548
Benson	4948-4956
Producing formation <u>Alexander</u>	Pay zone depth (ft) <u>5210-5283</u>
Gas: Initial open flow <u>26</u> MCF/d	Oil: Initial open flow <u>0</u> Bbl/d
Final open flow <u>1,302</u> MCF/d	Final open flow <u>Show</u> Bbl/d
Time of open flow between initial and final tests <u>N/A</u> Hours	
Static rock Pressure <u>1500</u> psig (surface pressure) after <u>72</u> 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 COMPANY

BY: J. Chapman President
Date: February 23, 1995

Bee #6 (47-017-4181)
4 Stage Foam Frac - Halliburton

1st Stage: Alexander (12 holes) (5244.5'-5265.25') 60 Quality Foam, 500 gal. 15% HCl, 60,000 lbs. 20-40 sand, 490,000 SCF N₂, 810 bbls. Foam.

2nd Stage: Benson (10 holes) (4951'-4953.25') 75 Quality Foam, 750 gal. 15% HCl, 30,000 lbs. 20-40 sand, 423,000 SCF N₂, 520 bbls. Foam.

3rd Stage: Riley (10 holes) (4519.75'-4539) 60 Quality Foam, 750 gal. 15% HCl, 10,000 lbs. 80-100 sand, 30,000 lbs. 20-40 sand, 508,000 SCF N₂, 612 bbls. Foam.

4th Stage: Balltown (12 holes) (3865.75'-3926') 60 Quality Foam, 750 gal. 15% HCl, 10,000 lbs. 80-100 sand, 30,000 lbs. 20-40 sand, 445,000 SCF N₂, 602 bbls. Foam.

WELL LOG

FORMATION	TOP FEET	BOTTOM FEET	REMARKS
Fill	0	10	Hole damp at 80' 1/4" stream H ₂ O at 609'
Sand and Shale	10	145	
Red Rock	145	160	
Shale and Red Rock	160	649	
Sand and Shale	649	919	
Red Rock	919	951	
Sand	951	1008	<u>Gas Checks:</u>
Shale and Sand	1008	1348	1853' N/S
Sand	1348	1397	2009' N/S
Sand and Shale	1397	1930	2508' N/S
Little Lime	1930	1950	2974' N/S
Big Lime	1950	2083	3530' N/S
Big Injun	2083	2115	4000' 2/10 THRU 1" W/WATER
Sand and Shale	2115	2266	4594' 2/10 THRU 1" W/WATER
Weir	2266	2378	5154' 4/10 THRU 1" W/WATER
Sand and Shale	2378	3334	5404' 6/10 THRU 1" W/WATER
Warren	3334	3420	
Sand and Shale	3420	3501	
Speechley	3501	3514	
Sand and Shale	3514	3864	
Balltown	3864	3930	
Sand and Shale	3930	4514	
Riley	4514	4548	
Sand and Shale	4548	4948	
Benson	4948	4956	
Sand and Shale	4956	5210	
Alexander	5210	5283	
Shale	5283	5404 T.D.	

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WV Division of
Environmental Protection

25655 (8) 671

017-4181
Issued 01/06/95

Page of

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

Expires 01/06/97

WELL WORK PERMIT APPLICATION

Permitting
Office of Oil & Gas

Well Operator: REGAS OIL COMPANY 475

Operator's Well Number: BEE #6 3) Elevation: 1025'

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

5) Proposed Target Formation(s): ALEXANDER

6) Proposed Total Depth: 5400 feet

7) Approximate fresh water strata depths: 100'

8) Approximate salt water depths: 1536'

9) Approximate coal seam depths: NONE

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

11) Proposed Well Work: DRILL, STIMULATE, PRODUCE

New Well

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16	USED		30	0	380 SKS TO SURFACE
Fresh Water	11 3/4	ERW	42	132	132	70 SKS TO SURFACE
Coal					439	380 SKS TO SURFACE
Intermediate	8 5/8	ERW	23	1570	1570	410 SKS TO SURFACE
Production	4 1/2	J-55	10.5		5300	380 SKS.
Tubing	1.5					380 SKS TO SURFACE
Liners						

PACKERS : Kind
Sizes
Depths sec

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WF

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WV Division of
Environmental Protection

DEC 29 1994

Permitting
Office of Oil & Gas

Page 1 of _____
Form WW2-A
(09/87)
File Copy

1) Date: DECEMBER 27, 1994
2) Operator's well number
BEE #6
3) API Well No: 47 - 017 - 4181
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 LEWIS PAUL BEE
Address RT. 1 BOX 240B
WEST UNION, WV 26456
(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 _____
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
X 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:
X 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 27TH day of DECEMBER, 19 94

Karen Cook
My commission expires MARCH 24, 2003

OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
KAREN COOK
ROUTE 2, BOX 1
JANE LEW, WV 25378
Notary Public