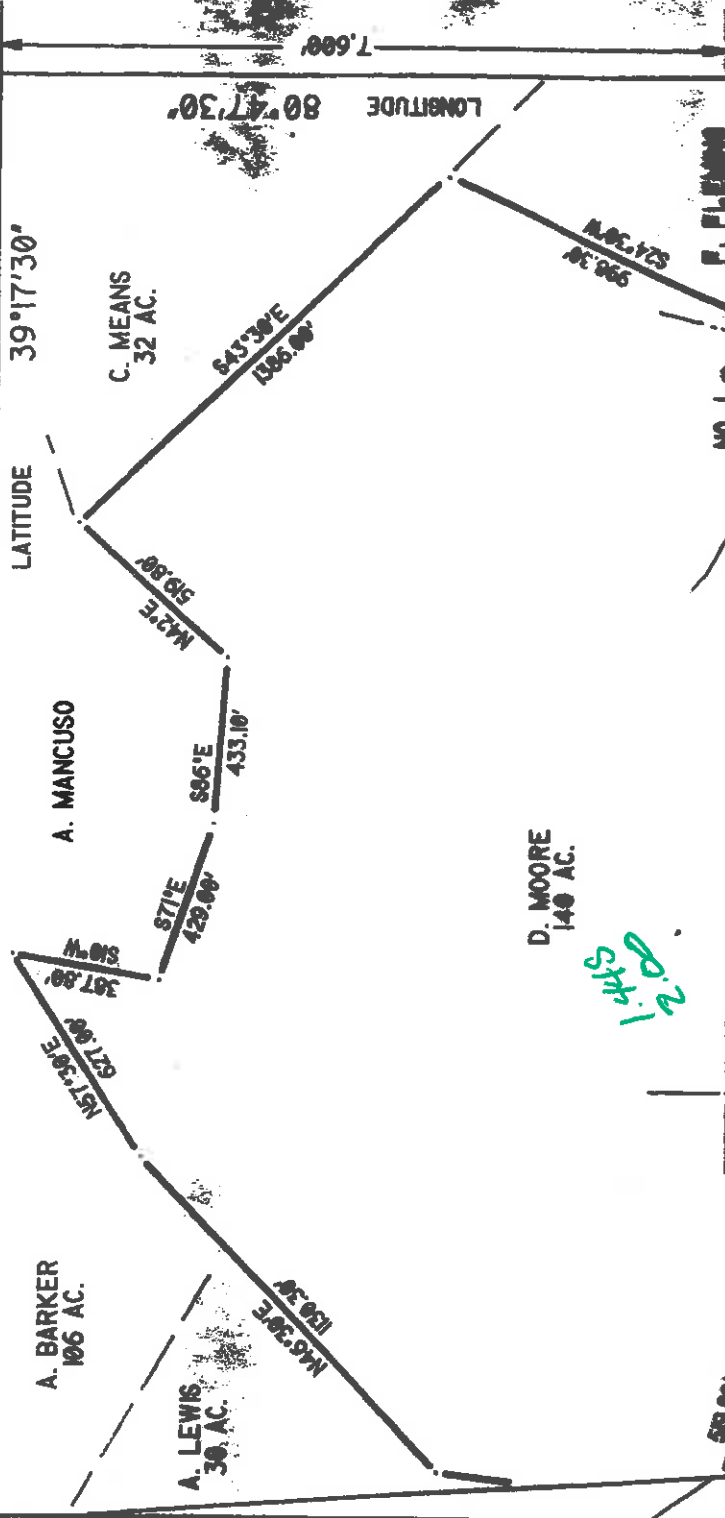


FORM WW 6

10,450'

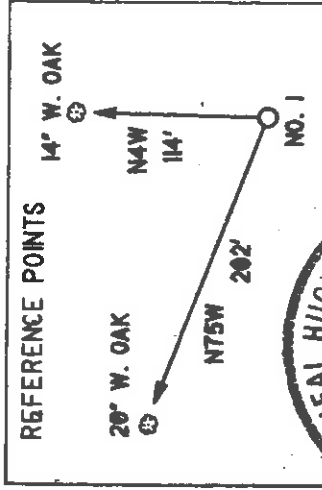
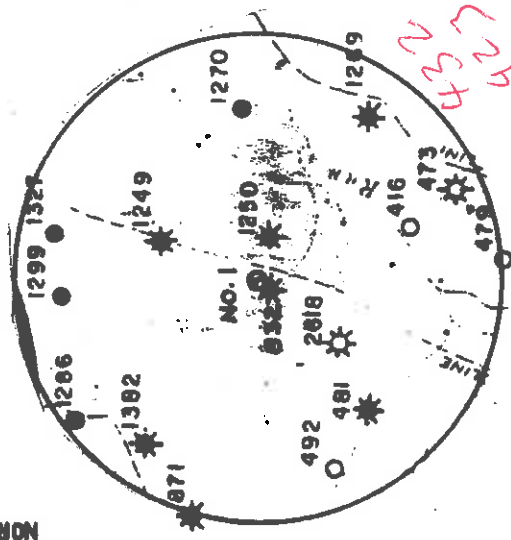
LATITUDE 39°17'30"

LONGITUDE 80°47'30"



Handwritten note: 1475 2.1

NORTH

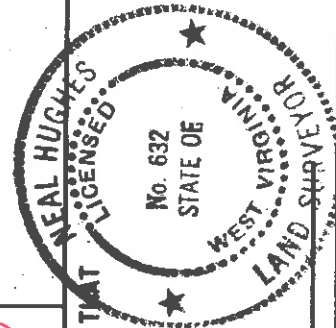


I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

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

DATE DECEMBER 13, 19 95
 OPERATORS WELL NO. FOLEY 1

L.L.S. *Neal Hughes*
 632



API WELL NO. 47 - STATE 017 COUNTY 4230 PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 95-118 STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION
 SCALE 1" = 500'

WELL TYPE: OIL GAS LIQUID WASTE DISPOSAL 'GAS' PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 940' WATERSHED CLAYLICK RUN
 SURFACE OWNER DARRELL MOORE COUNTY DODDRIDGE QUADRANGLE WEST UNION
 ROYALTY OWNER J. D. FOLEY, HEIRS ACREAGE 140 LEASE ACREAGE 140
 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'

WELL OPERATOR KEY OIL CO. DESIGNATED AGENT JAN CHAPMAN
 ADDRESS 22 GARTON PLAZA ADDRESS 22 GARTON PLAZA
WESTON, WV 26452 WESTON, WV 26452

PERMIT 6-6 89

MAR 1 1 1996

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

API # 47- 17-04238
27-Dec-95

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: MOORE, DARRELL Operator Well No.: FOLEY #1

LOCATION: Elevation: 940.00 Quadrangle: WEST UNION

District: CENTRAL County: DODDRIDGE
Latitude: 7600 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 10450 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: 12/26/95
Well work Commenced: 12/30/95
Well work Completed: 1/6/96
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 5375'
Fresh water depths (ft) 112', 609'
Salt water depths (ft) -0-

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 380' - 383'

OPEN FLOW DATA
BALLTOWN SANDS
RILEY SANDS
THIRD RILEY
BENSON
ALEXANDER

Producing formation
Gas: Initial open flow 84 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1,443 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
Pay zone depth (ft) 5148-5218

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
11 3/4	129	129	70 SKS. TO SURFACE
8 5/8	1545	1545	405 SKS. TO SURFACE
4 1/2		5285	450 SKS.
1.5		5134	

3752-4097
4382-4500
4762-4868
4890-4894

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]*

Date: MARCH 6, 1996

PRESIDENT

MAR 11 1996

Foley #1 (47-017-4238)
Four Stage Foam Frac - Halliburton

1st Stage: Alexander (13 holes) 60 Quality Foam, 500 gal. 15% HCl, 60,000 lbs. 20-40 sand, 490,000 SCF N₂, 808 bbls. foamed water.

2nd Stage: Benson (5 holes) 75 Quality Foam, 750 gal. 15% HCl, (4891'-4892') 40,000 lbs. 20-40 sand, Third Riley (5 holes) 512,000 SCF N₂, (4808'-4815.75') 613 bbls. foamed water.

3rd Stage: Riley (11 holes) 75 Quality Foam, 750 gal. 15% HCl, (4385.50'-4491.25') 10,000 lbs. 80-100 sand, 30,000 lbs. 20-40 sand, 508,000 SCF N₂, 608 bbls. foamed water.

4th Stage: Balltown (11 holes) 75 Quality Foam, 750 gal. 15% HCl, (3786.25'-4095.25') 10,000 lbs. 80-100 sand, 50,000 lbs. 20-40 sand, 629,000 SCF N₂, 850 bbls. foamed water.

Well Log

Formation	Top Feet	Bottom Feet	Remarks
Fill	0	10	Hole damp at 112'
Sand & Shale	10	40	1/2" stream water at 609'
Red Rock & Shale	40	65	
Sand & Shale	65	141	
Shale	141	380	
Coal	380	383	
Sand & Shale	383	860	
Red Rock & Shale	860	976	1811 N/S
Sand & Shale	976	1468	1998 N/S
Sand	1468	1531	2522 4/10 thru 2" w/water
Sand & Shale	1531	1876	3021 4/10 thru 2" w/water
Little Lime	1876	1904	4020 4/10 thru 2" w/water
Pencil Cave	1904	1920	4641 4/10 thru 2" w/water
Big Lime	1920	2008	5010 4/10 thru 2" w/water
Big Injun	2008	2050	5375 T.D. 4/10 thru 2" w/water
Shale	2050	2210	
Weir	2210	2330	
Sand & Shale	2330	3305	
Warren	3305	3340	
Shale	3340	3452	
Spechley	3452	3462	
Sand & Shale	3462	3752	
Balltown Sands	3752	4097	
Sand & Shale	4097	4382	
Riley Sands	4382	4500	
Sand & Shale	4500	4762	
Third Riley	4762	4868	
Sand & Shale	4868	4890	
Benson	4890	4894	
Sand & Shale	4894	5148	
Alexander	5148	5218	
Shale	5218	5375	
T.D.	5375		

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
Permitting
Office of Oil & Gas

Issued 12/26/95
Expires 12/26/97

1) Well Operator: KEY OIL COMPANY 25655 1 67'
2) Operator's Well Number: EOLEY #1 3) Elevation: 940'

Well type: (a) Oil / oz Gas /
(b) If Gas: Production / Underground Storage
Deep 439 Shallow

Proposed Target Formation(s): ALEXANDER
Proposed Total Depth: 5400 feet
Approximate fresh water strata depths: 80'
Approximate salt water depths: 1181'
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

Newbold

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CENE
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						
Fresh Water	11 3/4	ERW	42	132	132	70 SKS TO SURFACE
Coal						38CS1811.3
Intermediate	8 5/8	ERW	23	1505	1505	405 SKS TO SURFACE
Production	4 1/2	J-55	10.5	5350	5350	480 SKS.
Tubing	1.5					38CS1811.7
Liners						

PACKERS : KIND Sizes Depths set

063011/46
For Division of Oil and Gas Use Only
Permit Well Work Permit Reclamation Fund
[Signatures]

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

1) Date: DECEMBER 18, 1995
2) Operator's well number FOLEY #1
3) API Well No: 47 - 017 - 04238
State County Permit

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name DARRELL MOORE
Address P. O. BOX 74
SMITHBURG, WV 26436
- (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
- 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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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 22-6 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.

NOTARY PUBLIC
STATE OF WEST VIRGINIA
COMMISSION EXPIRES 24, 2003
WESTON, WV 26452

Subscribed and sworn before me this 18TH day of DECEMBER, 1995

My commission expires MARCH 24, 2003
Harold Cook Notary Public