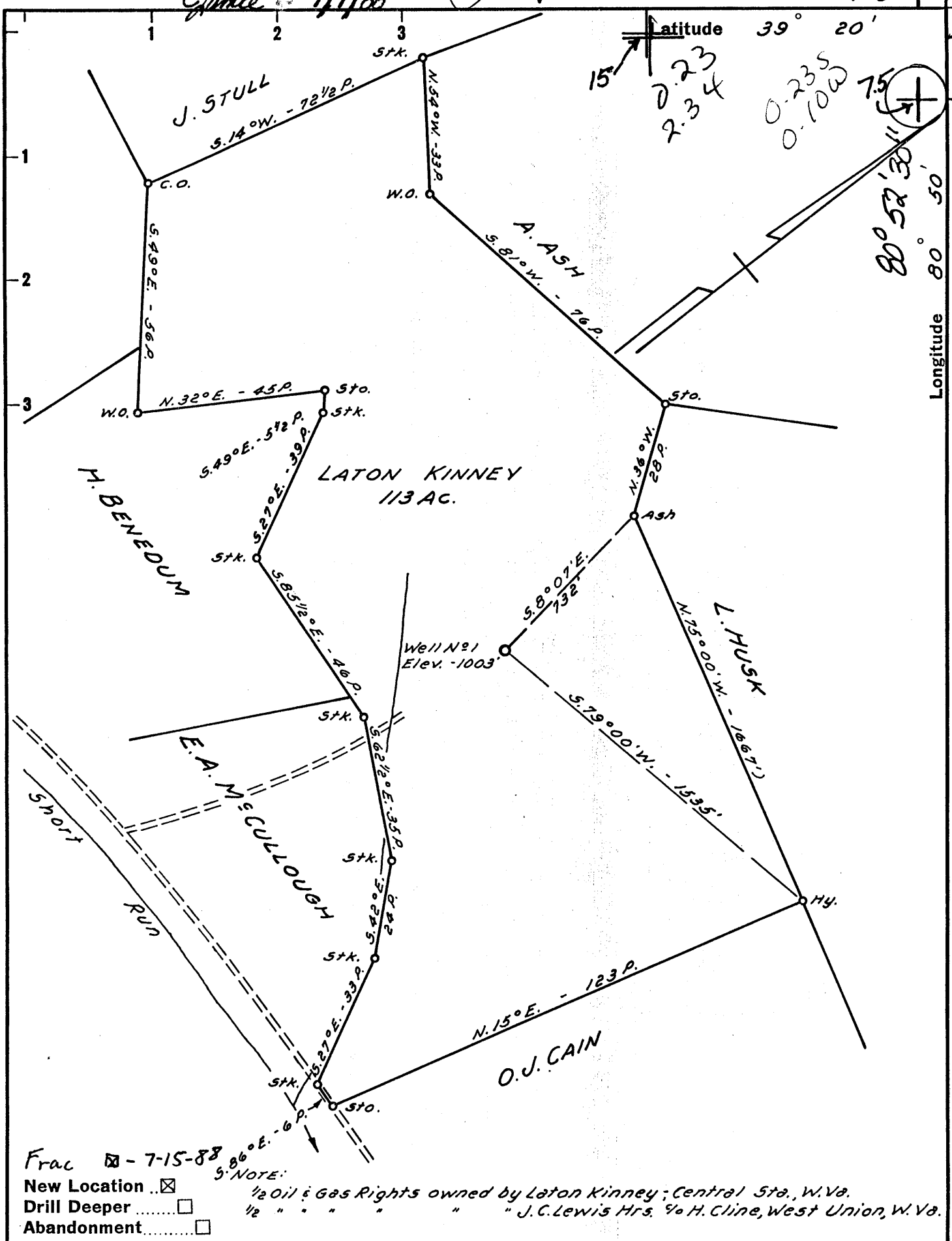


Janie 7/1/89

450



Frac - 7-15-88
 New Location
 Drill Deeper
 Abandonment

Company APPALACHIAN ENERGY DEVELOPMENT INC
 Address Rt 2 Box 199, GRAFTON, W.V. 26354
 Farm LATON KINNEY (R.C. Foley)
 Tract _____ Acres 113 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1003'
 Quadrangle WEST UNION 15 Pennsboro 7.5
 County TYLER District CENTERVILLE
 Engineer JOHN W. HAMILTON
 Engineer's Registration No. 2274
 File No. _____ Drawing No. _____
 Date MAY 14, 1960 Scale 1" = 30 POLES

397
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 534,133 FILE NO. 47-291-Frac.

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown. JUL 15 1988
 - Denotes one inch spaces on border line of original tracing. 47-095'



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Centerville
Permit No. TYL - 291 renewed

WELL RECORD

Oil or Gas Well GAS
(KIND)

Company INCO 3, INC.
Address WEST UNION, W. VA.
Farm LAYTON KINNEY Acres 113
Location (waters) SHORT RUN
Well No. 1 Elev. 1003'
District CENTERVILLE County TYLER
The surface of tract is owned in fee by Layton Kinney
Address Central Station
Mineral rights are owned by 1/2 Layton Kinney & 1/2 J.C. Lewis Hrs 70 H. Cline
Address West Union
Drilling commenced 1-21-61
Drilling completed 5-30-61
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure 250 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16		9'	
13			Size of
10			
8 1/4		15'	Depth set
6 5/8		1913'	
5 3/16			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED None SIZE 7-0-0 No. Ft. 2504 Date 6-27-61

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

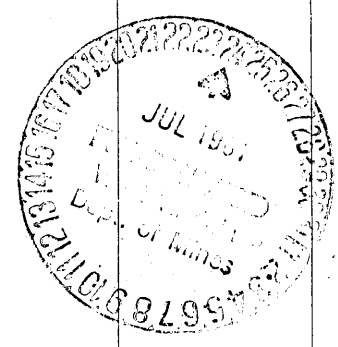
WELL FRACTURED 600 BBL WATER, 22,000 LBS. SAND, 16,000 LBS. ROCK SALT 3" tubing on hook-wall packer

RESULT AFTER TREATMENT 300 LBS. 1/2 hrs show of oil

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
RED ROCK			0	20			
SAND			20	55			
RED ROCK			55	85			
SHALE			85	100			
SLATE			100	145			
SAND			145	166			
COAL			166	167			
SLATE	BLACK		167	180			
SLATE			180	195			
RED ROCK			195	260			
SLATE			260	270			
RED ROCK			270	335			
SLATE			335	343			
RED ROCK			343	355			
SLATE & SHELLS			355	372			
SAND			372	393			
SLATE			393	405			
RED ROCK			405	445			
SLATE & SHELLS			445	475			
RED ROCK			475	500			
SAND			500	575			
SLATE			575	590			
SAND			590	607			
SLATE			607	615			
SAND			615	625			
SLATE			625	650			
SLATE & SHELL			666	762			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
RED ROCK			762	825			
SLATE			825	865			
LIME			865	880			
SLATE			880	895			
RED ROCK			895	900			
SLATE			900	955			
RED ROCK			955	975			
SLATE			975	1075			
SAND			1075	1165			
SLATE			1165	1170			
SAND			1170	1265			
SLATE			1265	1295			
SAND			1295	1335			
SLATE			1335	1380			
SAND			1380	1405			
SLATE			1405	1420			
SAND			1420	1475	WATER	1425'	HOLE FULL
SLATE			1475	1500			
SAND			1500	1515			
SLATE			1515	1522			
SAND			1522	1538			
SLATE			1538	1565			
SAND			1565	1600			
SLATE	BLACK		1600	1827			
LIME	BLACK		1827	1845			
RED ROCK			1845	1852			
LIME, LITTLE			1852	1870			
SLATE			1870	1900			
LIME, BIG			1900	1958			
SAND			1958	2075	SHOW GAS	1990-2000'	
SLATE & SHELLS			2075	2250			
SAND			2250	2370			
SLATE & SHELLS			2370	2620	1900 1003 -897		
SAND, GORDON STRAY			2620	2645			
SLATE			2645	2655			
SAND, GORDON			2655	2660			
SLATE			2660	2685			
BOTTOM HOLE				2735			

Date 7-20, 1961

APPROVED James J. Jones, Owner
 By C. J. Nichols, Sr.
 (Title)

1st. Stage: Perforated Berea with 4 shots, 2411-2415'
 Perforated Weir; 2327-31', 5 shots; 2310-12', 4 shots; 2305', 2 shots
 Upper Weir; 2262', 2 shots; 2252-56', 5 shots; 2246-48, 3 shots;
 2234-36', 3 shots; 2228-30', 3 shots.
 Fraced 1st. stage with N₂ foam, 425,000 scf, 5,000# 80/100, 43,000# of
 20/40 Ottawa sand.

2nd. Stage: Perforated the Big Injun from 2040-50', 6 shots;
 2026-36, 8 shots.
 Fraced 2nd stage with N₂ foam, 501,000 scf, 5,000# 80/100 and 32,000#
 of 20/40 Ottawa sand

WELL LOG (Recompletion)

<u>FORMATION</u>	<u>DEPTH</u>	<u>NOTES</u>
Casing	1897'	
Siltstone	1897-1937'	
Lime	1937-2018'	[Recompletion from initial open hole completion.]
Big Injun	2018-2056'	
Sand & Shale	2056-2232'	
Weir	2232-2341'	
Shale	2341-2416'	
Berea	2416-2420'	
Sand & Shale	2420-TD	

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

2325, 1, 538

- 1) Well Operator: Appalachian Energy Development, Inc.
- 2) Operator's Well Number: Kinney No. 1 (47-095-291) 3) Elevation: 1003'
- 4) Well type: (a) Oil / or Gas X/
(b) If Gas: Production X/ Underground Storage /
Deep / Shallow X/
- 5) Proposed Target Formation(s): *Gordon- Weir & Injun**
- 6) Proposed Total Depth: *2660'; **2000' feet
- 7) Approximate fresh water strata depths: 155'
- 8) Approximate salt water depths: 1425'
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes / No X/
- 11) Proposed Well Work: Frac
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor					} <i>[Signature]</i>	
Fresh Water						See Attached Well Record
Coal						
Intermediate						
Production	3"			2660'	2660'	CTS or 38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind
Sizes
Depths set

RECEIVED
JUN 29 1988

7319

1415
20
Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 50 Blanket Agent
(Type)

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

RECEIVED
JUN 29 1988

- 1) Date: June 22, 1988
- 2) Operator's well number Kinney No. 1
- 3) API Well No: 47 - 095 - 291 -FRAC
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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 Richard C. Foley
Address Rt. 2, Box 70-B
Greenwood, WV 26360
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector Robert Lowther
Address General Delivery
Middlebourne, WV 26149
Telephone (304)- 758 - 4764

- 5) (a) Coal Operator:
 - Name N/A
Address _____
 - (b) Coal Owner(s) with Declaration
Name N/A
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name N/A
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 11 on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- X 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 Appalachian Energy Development, Inc.
By: Gregory A. Smith
Its: President
Address Rt. 2, Box 499
Grafton, WV 26354
Telephone (304) 265 - 4147

Subscribed and sworn before me this 22nd day of June, 1988

Gregory A. Smith Notary Public
My commission expires 12/7/92