

Minimum Error of Closure 1 in 200'

Source of Elevation Elev. at old Post School = 2063'

Fracture 8/8/89
 New Location
 Drill Deeper
 Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: [Signature]
 Map No. Squares: N S E W

Company Exxel Energy Inc. 1028
 Address Box 1020 Bridgeport, W. 26330
 Farm Morrison Lease
 Tract _____ Acres 56 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 2057 336 114 3
 Quadrangle Sago 15 / Ellamore 7.5
 County Upshur District Union 4
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Nov. 8, 1969 Scale 1" = 300' = 495'

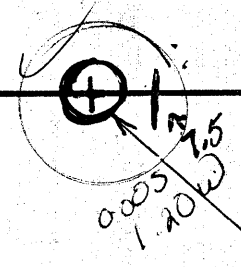
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 AUG 4 1989
 WELL LOCATION MAP
 FILE NO. UPS - 1255 - DD
FRAC
 + Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.
47-097

DWDD 6-6 Buckhannon-Century (257)
5500 1-14-1974

UPS 1255 DD

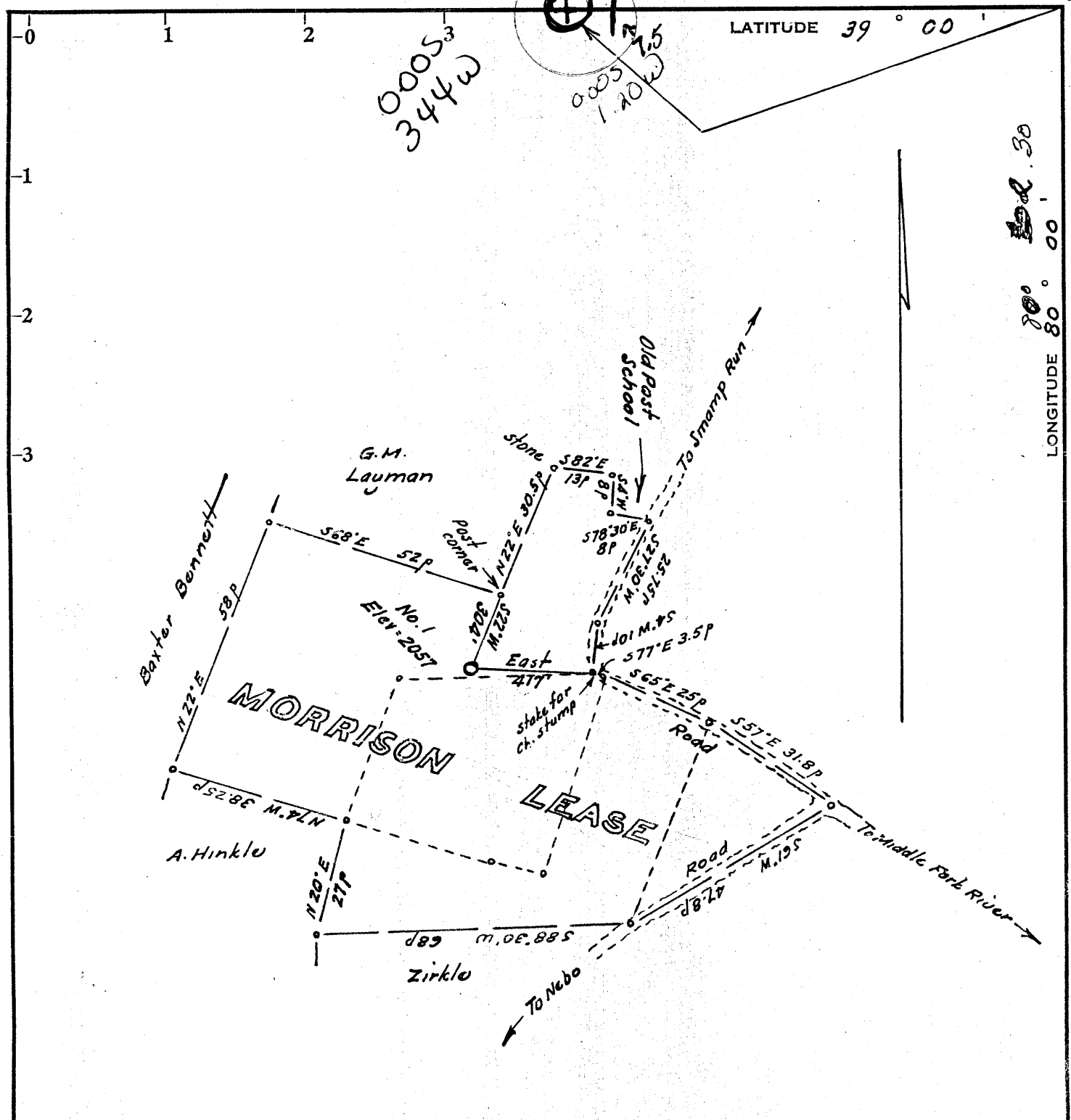
11/12/69 CBN

6500



LATITUDE 39° 00'

LONGITUDE 80° 00'



Minimum Error of Closure 1 in 200'

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- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: *Mustoe*
Squares: N S E W

Map No. _____

Comp Excel Energy
 Addr 901 W. Main St., Bridgeport, WV 26330

Farm Morrison Lease

Tract _____ Acres 56 Lease No. _____

Well (Farm) No. One Serial No. _____

Elevation (Spirit Level) 2057

Quadrangle Sago & Philippi + 330 114

County Upshur District Union Elamorie + 75 NE 3

Engineer Mustoe

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date Nov. 8, 1969 Scale 1" = 30p = 495'

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

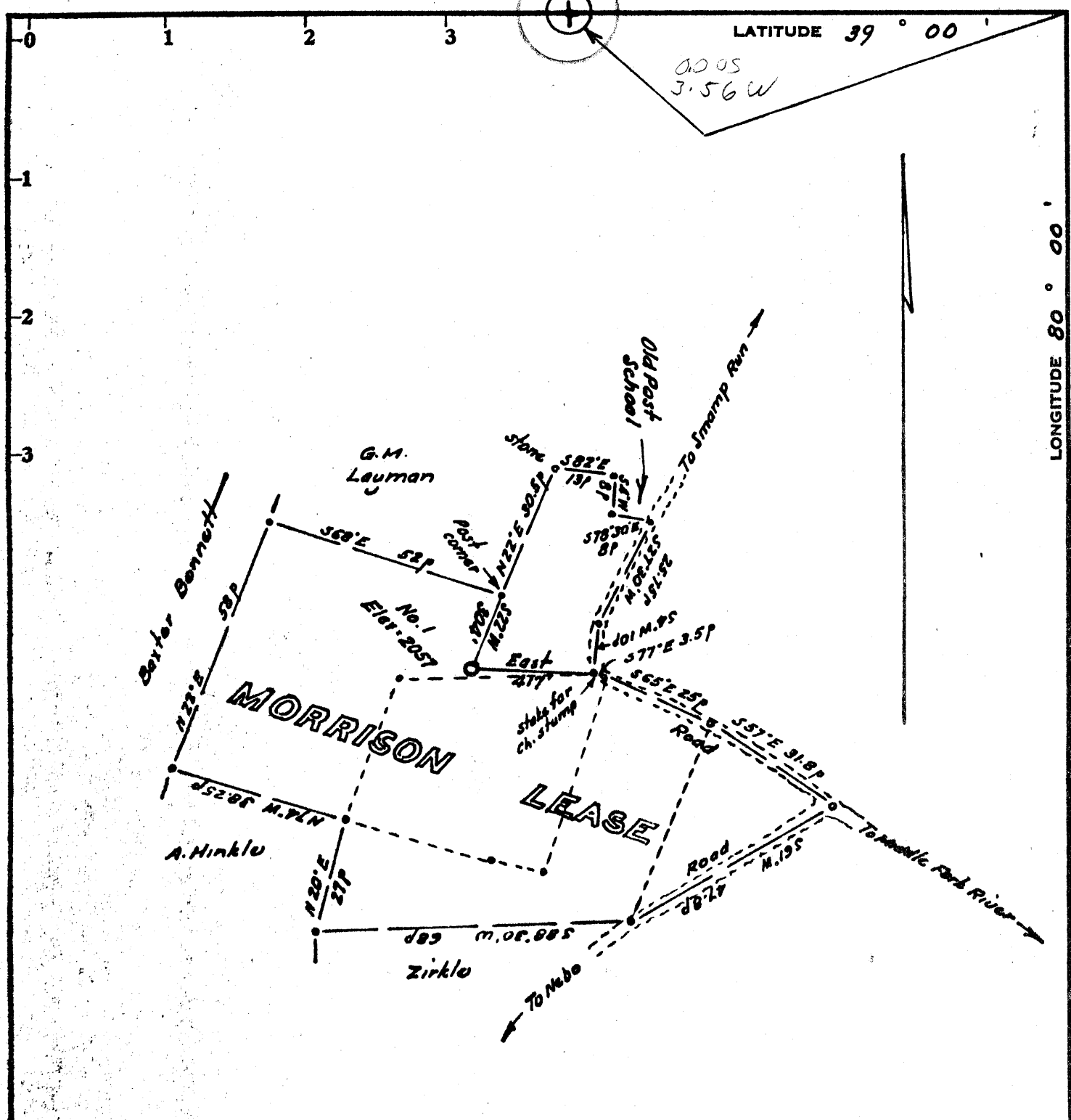
WELL LOCATION MAP

FILE NO. UPS - 12.55 - DD

+ 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. NOV 24 1969

— Denotes one inch spaces on border line of original tracing.

47-097



Minimum Error of Closure Lin 200'
 Source of Elevation Elev. at old Post School = 2063'

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: [Signature]
 Squares: N S E W

Map No.

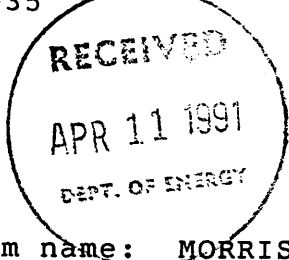
Company J. & J. ENTERPRISES, INC.
69 W. Main St., Buckhannon, W. Va.
 Address (Avonmore, Penna.)
 Farm Morrison Lease
 Tract _____ Acres 56 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 2057
 Quadrangle Saga & Philippi NE
 County Upshur District Union
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Nov. 8, 1969 Scale 1" = 800' = 495'

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

WELL LOCATION MAP

FILE NO. ups - 1255

+ 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.
 - Denotes one inch spaces on border line of original tracing.



State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: MORRISON, ERNEST Operator Well No.: 1-3-36

LOCATION: Elevation: 2057.00 Quadrangle: ELLAMORE

District: UNION County: UPSHUR
Latitude: 100 Feet South of 39 Deg. 0 Min. 0 Sec.
Longitude 6410 Feet West of 80 Deg. 2 Min. 30 Sec.

Company: EXCEL ENERGY, INC
P.O. BOX 1020
BRIDGEPORT, WV 26330-0000

Agent: H. L. BARNETT

Inspector: PHILLIP TRACY
Permit Issued: 08/03/89
Well work Commenced: 04/04/91
Well work Completed: 04/04/91
Verbal Plugging
Permission granted on:
Rotary x Cable _____ Rig
Total Depth (feet) 5403
Fresh water depths (ft) _____
N/A
Salt water depths (ft) _____
N/A

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11 3/4"	78'	20'	
8 5/8"	816'	816'	175 Sks
4 1/2"	5255'	5255'	464 Sks

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

OPEN FLOW DATA

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

Second producing formation Balltown Pay zone depth (ft) 2620-2664
Gas: Initial open flow 0 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 269 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 40 Hours
Static rock Pressure 740 psig (surface pressure) after 60 Hours

new zone comp.

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: EXCEL ENERGY, INC

By: H.L. Barnett
Date: April 10, 1991

DETAILS OF PERFORMED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

STAGE I (2620-2664) 14 Holes, 220 BBL Water, 40,000# Sand, 750 Gal. Acid,
270,000 s.c.f. N2

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
<p>SEE ORIGINAL IV-35 ATTACHED</p> <p>THIS COMPLETION REPORT IS FOR THE STIMULATION OF THE BALLTOWN ZONE.</p>					

927



IV-35
(Rev 8-81)

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JUL 31 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date DECEMBER 12, 1986
Operator's
Well No. E-36
Farm MORRISON # 1
API No. 47 - 033 - 1255DD

097

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production ___ / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 2057 Watershed MIDDLE FORK RIVER
District: UNION County UPSHUR Quadrangle Sago & Philippi

COMPANY EXCEL ENERGY, INC.
ADDRESS 901 W. MAIN STREET, SUITE 201, B-PART, WV
DESIGNATED AGENT H. L. BARNETT
ADDRESS RT 1 63 ST. JAMES DRIVE, CLARKSBURG, WV
SURFACE OWNER ERNEST MORRISON
ADDRESS 305 CENTER STREET, EAST CANTON, OH 44730
MINERAL RIGHTS OWNER ERNEST S. MORRISON
ADDRESS 305 CENTER ST., EAST CANTON, OH 44730
OIL AND GAS INSPECTOR FOR THIS WORK STEVE CASEY
RT. 2 BOX 232-D
ADDRESS JANE LEW, WV 26378

PERMIT ISSUED 11-19-86
DRILLING COMMENCED 11-21-86
DRILLING COMPLETED 11-22-86

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	20	20	
13-10"			
9 5/8			
8 5/8	816	816	175 SKS
7			
5 1/2			
4 1/2	5255	5255	464 SKS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION HAVER Depth 5080 feet
Depth of completed well 5403 feet Rotary X / Cable Tools _____
Water strata depth: Fresh N/A feet; Salt N/A feet
Coal seam depths: NO Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation HAVERTY, ELK, BENSON, RILEY (COMINGLED) Pay zone depth 3534-658 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow -0- Bbl/d
Final open flow 750 Mcf/d Oil: Final open flow -0- Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1200 psig (surface measurement) after 75 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

HAVERTY - Perf. 5076 - 82 - 9 Holes
 Fraced - 550 bbls H2O, 10,000 #80-100, 30,000 # 20-40 Sand, 500gal Acid, 50,000 s.c.f. N2.

ELK - Perf. 4446-4653 - 12 Holes
 Fraced - 490 bbls H2O, 9,000 #80-100, 30,000 #20-40 Sand, 500 Acid, 50,000 s.c.f.

BENSON - Perf. 3708-21 - 12 Holes
 Fraced - 580 bbls H2O, 10,000 #80-100, 46,000 #20-40 Sand, 500 Acid, 50,000 S.c.f.

RILEY - Perf. 3428-40 - 4 Holes 3541-60 - 8 Holes
 Fraced - 500 bbls H2O, 8,000 #80-100, 30,000 #20-40 Sand, 500 Acid & 50,000 s.c.f.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all and salt water, coal, oil and	
Surface	N/A	N/A	0	700	<div data-bbox="1050 973 1437 1119" data-label="Text"> <p>RECEIVED JUL 31 1989</p> </div> <div data-bbox="1072 1141 1425 1207" data-label="Text"> <p>DIVISION OF OIL & GAS DEPARTMENT OF ENERGY</p> </div> <div data-bbox="1021 1675 1332 1848" data-label="Text"> <p>new to: 5403 old to: 3968 new ftg: 1435</p> </div>	
Sand & Shale	"	"	700	810		
Red Rock	"	"	810	1130		
Sand & Shale	"	"	1130	1258		
Big Lime	"	"	1258	1380		
Big Injun	"	"	1380	1830		
Sand & Shale	"	"	1830	1896		
Gordon	"	"	1896	1920		
Shale	"	"	1920	1976		
5th Sand	"	"	1976	2024		
Sand & Shale	"	"	2024	3420		
LOG DEPTH 3420 TO TOTAL DEPTH						
2nd Riley	N/A	N/A	3420	3442		
Shale	Gray	Soft	3442	3535		
3rd Riley	"	"	3535	3611		
Shale	"	"	3611	3701		
Benson	Brown	"	3701	3724		
Shale	Gray	"	3724	4440		
Elk	"	"	4440	4618		
Shale	"	"	4618	5062		
Haverty	"	"	5062	5083		
Shale	"	"	5083	5204		
Fox	"	"	5204	5214		
Shale	"	"	5214	5403		
			T.D.	5403		

(Attach separate sheets as necessary)

EXCEL ENERGY, INC.

Well Operator

By: Neil Bama PRESIDENT

Date: DECEMBER 12, 1986

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

2521



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

Rotary
Spudder
Cable Tools
Storage C. NOLL

39-00
5-8
Quadrangle Sago & Philippi
Permit No. UPS-1255

WELL RECORD

Oil or Gas Well Dry (KIND)

Company J. & J. Enterprises, Inc.
Address Box 754, Indiana, Pa.
Farm Morrison Acres 56
Location (waters) Middle Fork
Well No. One Elev. 2057
District Union County Upshur
The surface of tract is owned in fee by Mattie Morrison
Address Buckhannon, W. Va.
Mineral rights are owned by Mattie Morrison, etals
Address Buckhannon, W. Va.
Drilling commenced 11-15-69
Drilling completed 11-22-69
Date Shot From To
With
Open Flow 0 /10ths Water in 8-5/8 Inch
/10ths Merc. in Inch
Volume No guage Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) No frac.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			Size of
10 11-3/4	20'	20'	Depth set
8 8-5/8	816	816	Perf. top
6 3/16			Perf. bottom
5 3/16			Perf. top
4 1/2			Perf. bottom
3			
2			
Liners Used			

Attach copy of cementing record.
CASING CEMENTED 8-5/8 SIZE 816 No. Ft. 11-17-69 Date
Amount of cement used (bags) 175 sx. 60-40 POZ
Name of Service Co. Lawson
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.)
ROCK PRESSURE AFTER TREATMENT HOURS
Fresh Water Feet Salt Water Feet
Producing Sand None Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	700			
Sd & sh			700	810			
Red rock			810	1130			
Sd. & sh.			1130	1258			
Big Lime			1258	1380			
Big Injun			1380	1830			
Sh & sd.			1830	1896			
Gordon			1896	1920			
Sh.			1920	1976			
5th			1976	2024			
Sd. & sh.			2024	2089			
No Benson			2089	3968	TD		

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MAR 26 1971

OIL & GAS DIVISION
DEPT. OF MINES

28

097-1255-F
Issued 8/3/89 Expires
Page of
8/3/91

FORM WW-2B

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

- 1) Well Operator: Excel Energy, Inc. 16570 (4) 336
- 2) Operator's Well Number: E-36 3) Elevation: 2057'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Balltown
- 6) Proposed Total Depth: 5403 feet
- 7) Approximate fresh water strata depths: N/A
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Re-frac existing well.
- 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				20	0	
Fresh Water						
Coal						
Intermediate	8 5/8"			816	816	175 sks
Production	4 1/2"	J-55		5255	5255	464 sks
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

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For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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

1402
17

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: July 7, 1989
2) Operator's well number
Morrison E-36
3) API Well No: 47 - 097 - 1255 -FRAC
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 Earnest Morrison
Address Rt. 4, Box 553
Buckhannon, WV 26201
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Phillip Tracy
Address Rt. 2, Box 37-A
Montrose, WV 26283
Telephone (304)- 636-8798

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Earnest Morrison
Address Rt. 4, Box 553
Buckhannon, WV 26201
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:

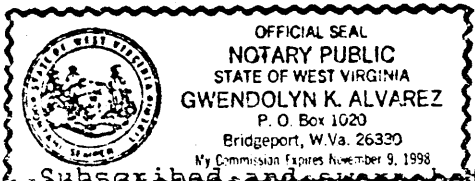
- ____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- ____ Publication (Notice of Publication attached)

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 Excel Energy, Inc.
By: H.L. Barnett
Its: President
Address P.O. Box 1020
Bridgeport, WV 26330
Telephone (304) 842-6927



Subscribed and sworn before me this 7th day of July, 1989

Gwendolyn K. Alvarez Gwendolyn K. Alvarez Notary Public
My commission expires November 9, 1998

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NOV 19 1988



1) Date: November 12, 1986
 2) Operator's Well No. Morrison #1 (E-36)
 3) API Well No. 47 097 1255DD
 State County Permit

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

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 2057 Watershed: Middle Fork River
 District: Union County: Upshur Quadrangle: Sago & Philippi
- 6) WELL OPERATOR EXCEL ENERGY CODE: _____ 7) DESIGNATED AGENT Harry Barnett
 Address 901 West Main St. Address 901 West Main St.
Bridgeport, WV 26330 Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Phillip Tracy Name not available
 Address Forest Festival Terrace Apt. #24 Address _____
Elkins, WV 26241
- 10) PROPOSED WELL WORK: Drill _____ / Drill deeper X / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation X /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Haverty
 12) Estimated depth of completed well, 5500 feet
 13) Approximate trata depths: Fresh, 150 feet; salt, 700 feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No X /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	20"			X					Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8		23.0	X		800	800	175	
Production	4 1/2		10.5	X		5500	5500	200	Depths set
Tubing									Perforations:
Liners									Top Bottom

550 SKS OR AS REQUIRED BY RULES

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-097-1255DD Date November 19 19 86

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires November 19, 1988, unless well work is commenced prior to that date and prosecuted with due diligence.

Bond <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>1045</u>	WDE: <u>AS</u>	S&E: <u>AS</u>	Other
------------------------------------------	--------------------------------------------	-----------------	-------------------	------------------	----------------	----------------	-------

NOTE: Keep one copy of this permit posted at the drilling location. Director, Division of Oil and Gas File