

OK

ROSE HILL
9-45

API No. 45-105-20549-00-03 VDMR Well Rep. No. _____
DMQ File No. LE-113

Operator BMW RESOURCES INCORPORATED
Farm EWELL FRYE
Co. Well No. #1 EWELL FRYE

County LEE Quadrangle ROSE HILL - 7 1/2'
Location (UTM) N4,057,900; E287,750 UTM Zone 17
(Lat. and Long.) _____

Field ROSE HILL Province VALLEY AND RIDGE

Elev. (specify) 1648.6 GR TD 2800' Form. at TD HURRICANE BRIDGE
Age ORDOVICIAN

Date compl. or abandoned APRIL 14, 1983

Result SHUT IN FOR EVALUATION

Gas Shows 2140'; 2300'; 2480'

Gas Pays _____

Main Production _____ Prod. Form. TRENTON
Age ORDOVICIAN

Treatment: TRENTON-ABOVE 2130'; LOADED HOLE ABOVE BRUSH PLUG
WITH JUDYMITE AND DETONATED

Initial Production NONE

FINAL PRODUCTION - LIGHT SHOW

Oil shows _____

Water FW _____ at _____ at _____ at _____
SW _____ at _____ at _____ at _____

Coal _____

Plat _____ Plotted _____ Completion Report X

Drillers Log X Geologic Log _____

Samples _____ Interval Sheet _____

Sample Interval _____

Remarks _____

Geophysical Logs S.P. _____ Res _____ Gamma X Neutron _____

Density _____ Sonic _____ Other TEMPERATURE, FRACTURE IDENTI-
FICATION

Stratigraphic Data Source THOMAS BIGGS

BARTLETT ENERGY EXPLORATION, INC.

<u>Formation</u>	<u>Top</u>	<u>Datum</u> <u>(Subsea)</u>	<u>Thickness</u>
<u>UNDIFFERENTIATED</u>	<u>0</u>	<u>1648.6</u>	<u>568</u>
<u>PINE MTN. FAULT</u>	<u>568</u>		
<u>CLINTON</u>	<u>568</u>	<u>1080.6</u>	<u>342</u>
<u>POOR VALLEY RIDGE</u>	<u>910</u>	<u>738.6</u>	<u>94</u>
<u>HAGAN</u>	<u>1004</u>	<u>644.6</u>	<u>60</u>
<u>SEQUATCHIE</u>	<u>1064</u>	<u>584.6</u>	<u>268</u>
<u>REEDSVILLE</u>	<u>1332</u>	<u>316.6</u>	<u>344</u>
<u>TRENTON</u>	<u>1676</u>	<u>- 27.4</u>	<u>561</u>
<u>EGGLESTON</u>	<u>2237</u>	<u>- 588.4</u>	<u>127</u>
<u>HARDY CREEK</u>	<u>2364</u>	<u>- 715.4</u>	<u>126</u>
<u>BEN HUR</u>	<u>2490</u>	<u>- 841.4</u>	<u>135</u>
<u>WOODWAY</u>	<u>2625</u>	<u>- 976.4</u>	<u>143</u>

Remarks

HURRICANE BRIDGE 2768 1110.4 32

References

Released to Open File: Completion JULY 13, 1983

Samples NO

(Note: UTM measurements in meters, all others in feet)

OIL AND GAS WELL SUMMARY REPORT

API No.: 45-105-20549-00-03

VDMR Well Rep. No.

Div. Gas & Oil File No.: LE-113

Operator: BMW RESOURCES INCORPORATED

Farm: EWELL FRYE

County: LEE

Co. Well No.: #1 EWELL FRYE

Quadrangle: ROSE HILL - 7-1/2'

Location (UTM): N 4,057,900; E 287,750 UTM Zone: 17

Field: ROSE HILL Province: VALLEY AND RIDGE

Elev. (specify): 1648.6 GR TD: 2800' Formation at TD: HURRICANE BRIDGE

Initial Gas Flow Age: ORDOVICIAN

Date compl. or abandoned: APRIL 14, 1983

Result: SHUT IN FOR EVALUATION

Gas Shows: 2140'; 2300'; 2480'

Gas Pays

Main Production Producing Formation: TRENTON

Final Gas Flow Age: ORDOVICIAN

Treatment: TRENTON-ABOVE 2130'; LOADED HOLE ABOVE BRUSH PLUG WITH JUDYMITE AND DETONATED

Initial Oil Production: NONE

Final Production: LIGHT SHOW

Oil Shows

Water	FW	at	at	at
	SW:	at:	at	at

Coal

Plat Plotted Completion Report: X

Drillers Log: X

Geologic Log:

Samples:

Interval Sheet:

Sample Interval:

Geophysical Logs

S.P.

Res

Gamma: X

Neutron:

Density: Sonic

Other: TEMPERATURE, FRACTURE IDENTIFICATION

Stratigraphic Data Source: THOMAS BIGGS

BARTLETT ENERGY EXPLORATION, INC.

<u>Formation</u>	<u>Top</u>	<u>Datum (Subsea)</u>	<u>Thickness</u>
UNDIFFERENTIATED	0	1648.6	568
PINT MTN. FAULT	568		
CLINTON	568	1080.6	342
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HAGAN	1004	644.6	60
SEQUATCHIE	1064	584.6	268
REEDSVILLE	1332	316.6	344
TRENTON	1676	- 27.4	561
EGGLESTON	2237	- 588.4	127
HARDY CREEK	2364	- 715.4	126
BEN HUR	2490	- 841.4	135
WOODWAY	2625	- 976.4	143
HURRICAN BRIDGE	2768	1110.4	32

Remarks:

References:

Release to Open File: Completion: JULY 13, 1983

Samples: NO

(Note: UTM measurements in meters, all others in feet)

OIL AND GAS WELL
SUMMARY REPORT

API No. 45-105-20549-00-03 VDMR Well Rep. No. _____
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Co. Well No. # 1 EWELL FRYE

County LEE Quadrangle ROSE HILL - 7 $\frac{1}{2}$ '

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Coal _____

Plat _____ Plotted _____ Completion Report X

Drillers Log X Geologic Log _____

Samples _____ Interval Sheet _____

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Remarks _____

Geophysical Logs S.P. _____ Res _____ Gamma _____ Neutron _____

Density _____ Sonic _____ Other _____

<u>Formation</u>	<u>Top</u>	<u>Datum (Subsea)</u>	<u>Thickness</u>
<u>UNDIFFERENTIATED</u>	<u>0</u>	<u>1648.6</u>	<u>568</u>
<u>PINE MTN. FAULT</u>	<u>568</u>		
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<u>TRENTON</u>	<u>1676</u>	<u>- 27.4</u>	<u>561</u>
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<u>BEN HUR</u>	<u>2490</u>	<u>-841.4</u>	<u>135</u>
<u>WOODWAY</u>	<u>2625</u>	<u>-976.4</u>	<u>143</u>
Remarks <u>HURRICANE BRIDGE</u>	<u>2768</u>	<u>1110.4</u>	<u>32</u>

References

Released to Open File: Completion JULY 13, 1983

Samples NO

(Note: UTM measurements in meters, all others in feet)

Date: Dec. 1, 1982

Operator's Well No. #1 Ewell Frye

VIRGINIA OIL AND GAS INSPECTOR
DEPARTMENT OF LABOR AND INDUSTRY
DIVISION OF MINES
219 Wood Avenue
Big Stone Gap, Virginia 24219-1799
Phone 703-523-0335

LE 113

WELL PLAT

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000. Latitude and longitude lines are represented by border lines as shown.

This plat is new updated

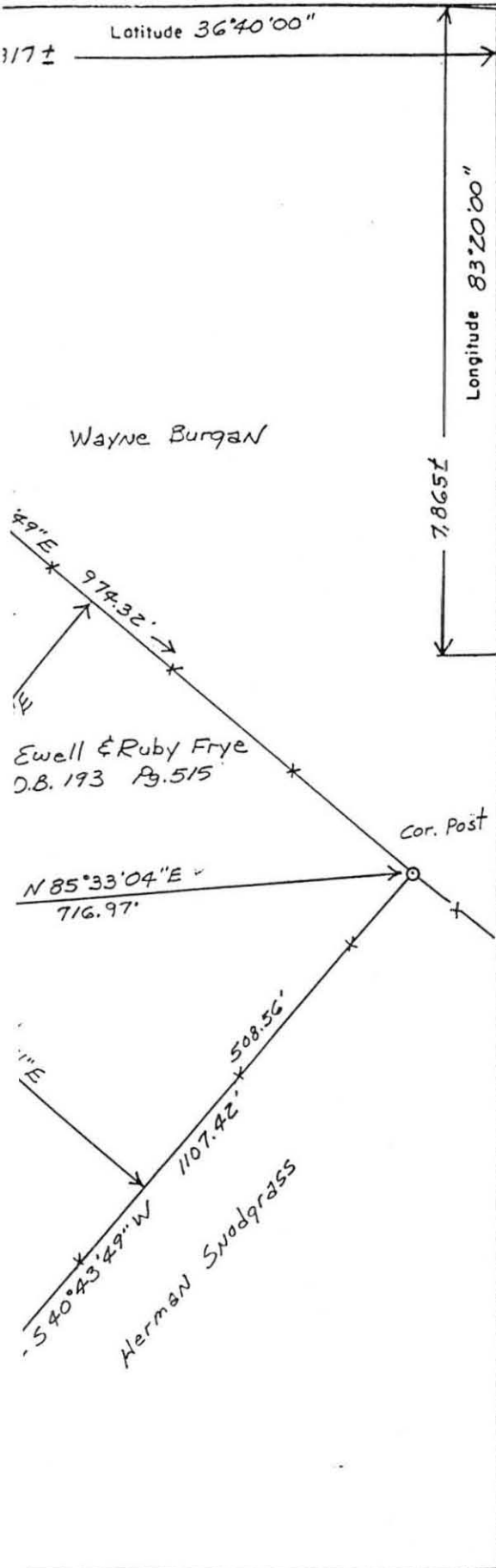
This plat is is not based on a mine coordinate system established for the areas of the well location.

Well operator B.M.W. Resources
Address 3534 B. CAVE Suite 210 Austin TEXAS 78746
Farm Ewell & Ruby Frye
Tract _____ Acres 23.5 Lease No. _____
Elevation 1628.6
Quadrangle Rose Hill
County Lec District Rose Hill
Registered Engineer _____ Registration No. _____
Certified Land Surveyor Cert. No. 001412
File No. _____ Drawing No. 0-119-45-22
Date Nov. 18, 1982 Scale 1" = 200'

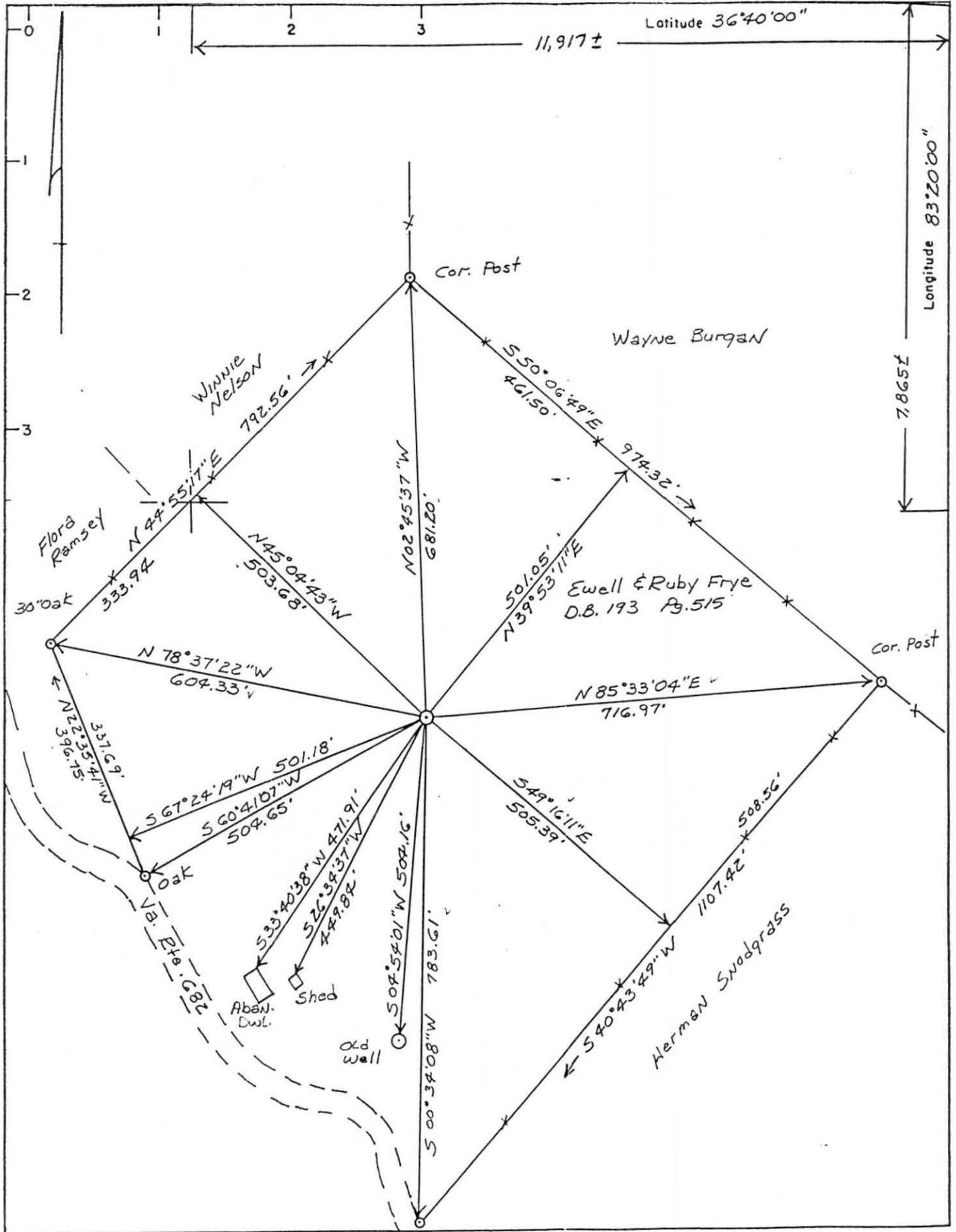
Certification of Well Plat

I, the undersigned, 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 of the Virginia Well Review Board.

Jerry A. Carter
Registered Engineer or Certified Land Surveyor
in Charge



LE-113



LE-113

Date: April 14, , 19 83

LE-113
ROSE HILL - 7 1/2

Operator's
Well No. #1 Ewell Frye

VIRGINIA OIL AND GAS INSPECTOR
DEPARTMENT OF LABOR AND INDUSTRY
DIVISION OF MINES
219 Wood Avenue
Big Stone Gap, Virginia 24219-2799
Phone 703-523-0335

REPORT OF COMPLETION OF WELL WORK

Pursuant to Regulation 4.06 of the Regulations under the Virginia Oil and Gas Act, the undersigned well operator reports completion of the type(s) of well work specified below on the referenced well in Rose Hill District, Lee County, Virginia:

WELL TYPE: Oil / Gas / Enhanced recovery / Waste disposal /
If "Gas", Production / Underground storage /

Exempt by Code § 45.1-300.B.1 from general oil and gas conservation law: Yes / No /

WELL WORK: Drill / Deepen / Redrill / Stimulate /
Plug off old formation / Perforate new formation /
Plug / Replug /
Other physical change in well (specify) _____

The well work was done as shown in the Appendix(es) applicable to the type(s) of well work involved. If the well work included the drilling of a new well, the certification of the location is on the reverse hereof.

CONFIDENTIALITY STATUS UNDER CODE OF VIRGINIA § 45.1-332:

Ninety days from the filing of this report,

or

Two years from _____, 19____, the date on which the referenced well was completed, the well being an exploratory well as defined in Code of Virginia § 45.1-288.21.

APPLICANT: BMW Resources, Inc.

By Frank N. Waldrop
Its President

Address: 3534 Bee Caves Road, Austin, Texas 78746

Telephone: (512) 327-8940

CERTIFICATION OF LOCATION OF A NEW WELL

I, the undersigned, hereby certify that I am familiar with the well plat showing the permitted location of the new well referenced on the obverse hereof; and that I am the engineer___/ surveyor___/ who verified that the actual surface location of the replaced stake___/ well___/, after the well site was cleared and readied, does in fact comply with the standard of Regulation 4.02 of the Regulations under the Virginia Oil and Gas Act, as follows:

_____ within three feet of the location designated on the well plat in an area underlain by known coal seams identified by the Chief of the Division of Mines pursuant to Code of Virginia § 45.1-333, or

_____ within ten feet of the location designated by the well plat in other areas.

(Name)

CASING AND TUBING PROGRAM

PRELIMINARY INFORMATION

Is the subject well underlaid by the red shales? Yes ___ / No X /
 If "Yes", was a coal protection string set to the red shales? Yes ___ / No X /

PROGRAM DETAILS

<u>Size</u>	<u>Top</u>	<u>Bottom</u>	<u>Length</u>	<u>Perforated</u>	
				<u>From</u>	<u>To</u>
<u>Conductor</u>					
9 5/8"	surface	50'	50'		
<u>Casing circulated and cemented in to the surface:</u>					
7"	surface	515'	515'		

Coal protection casing set under the special rule of Code of Virginia § 45.1-334.B:

None

Other casing and tubing left in the well:

Liners left in well, under Code of Virginia § 45.1-336 or otherwise:

Other casing used in drilling but not left in the well:

<u>Packers or bridge plugs:</u>	<u>Kind</u>	<u>Size</u>	<u>Set At</u>
Plug	Brush	6 1/4"	2130' during treatment

REMARKS (SHUT DOWN DEPTHS, DATES; FISHING JOB DEPTHS, DATES; CAVING; ETC.)

12/7 - 12/9 Fishing for 3 cones at 1000 feet.
 12/6 Caverns, lost circulation at 225 feet.

SAMPLES AND CUTTINGS

will X / will not ___ / be available for examination by a member of the Virginia Geological Survey;
 will X / will not ___ / be furnished the Virginia Geological Survey upon request;
 will X / will not ___ / require sacks to be furnished by the Survey.

DRILLER'S LOG

Compiled by Thomas H. Biggs, Bartlett Energy Exploration, Inc.

<u>Geologic Age</u>	<u>Formation</u>	<u>General Lithology</u>	<u>Color</u>	<u>Depth (feet)</u>		<u>Thickness</u>	<u>Remarks</u>
				<u>Top</u>	<u>Bottom</u>		
Cambro - Ordovician	undifferentiated	Dolostone	gy.	surface	568'	568'	cavern @ 225'
PINE MOUNTAIN FAULT					568'		
Silurian	Clinton	sh. sltst.	vari-	568'	910'	342'	
Silurian	Poor Valley Ridge	Ss.	lt. gy.	910'	1004'	94'	
Silurian	Hagan	Sh.	dk. gy.	1004'	1064'	60'	
Ordovician	Sequatchie	limy mdst.	red	1064'	1332'	268'	
Ordovician	Reedsville	shale	gy.	1332'	1676'	344'	
Ordovician	Trenton	limestone	gy.	1676'	2237'	561'	Gas show 2140'
Ordovician	Eggleston	limestone	gy.	2237'	2364'	127'	Gas show 2300'
Ordovician	Hardy Creek	limestone	brn.	2364'	2490'	126'	Gas show 2480'
Ordovician	Ben Hur	limestone	brn.	2490'	2625'	135'	
Ordovician	Woodway	limestone	gy.	2625'	2768'	143'	
Ordovician	Hurricane Bridge	limestone	gy.	2768'	2800'	T.D.	

(Complete on supplemental sheets as necessary.)

APPENDIX--TYPE D

Date April 14, 1983

Operator's Well No. #1 Ewell Frye

APPENDIX TO REPORT OF COMPLETION OF WELL WORK ON A WELL DRILLED IN SEARCH OF OIL OR GAS

DISCOVERY OF OIL OR INDICATIONS THEREOF

Indicated potential flow before stimulation 0 BOD Gravity and grade SHUT IN FOR EVALUATION

DISCOVERY OF GAS OR INDICATIONS THEREOF

Indicated potential flow before stimulation MCFD Rock pressure: psig hour test

RECORD OF STIMULATION

Full description of stimulation:

Zone 1: above 2130' Formation: Trenton loaded hole above brush plug with Judymite and detonated

Breakdown psig; Avg. Injection psig; Avg. Injection Rate BPM; ISIP psig; 15-Min. Shut-In psig.

Zone 2: Formation:

Breakdown psig; Avg. Injection psig; Avg. Injection Rate BPM; ISIP psig; 15-Min. Shut-In psig.

Zone 3: Formation:

Breakdown psig; Avg. Injection psig; Avg. Injection Rate BPM; ISIP psig; 15-Min. Shut-In psig.

Final production (check one) (X) after stimulation, () natural.

light show

Table with 5 columns: BOD, MCFD, Hours Tested, Rock pressure psig., Hours Tested. Rows for Zone 1, Zone 2, and Zone 3.

Final production if gas zones are comingled: MCFD, hours tested; psig, hours tested.

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UTM Zone: 17

Field: ROSE HILL

Province: VALLEY AND RIDGE

Elev. (specify): 1648.6 GR TD: 2800'

Formation at TD: HURRICAN BRIDGE

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Age: ORDOVICIAN

Date compl. or abandoned: APRIL 14, 1983

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Gas Pays:

Main Production

Producing Formation: TRENTON

Final Gas Flow

Age: ORDOVICIAN

Treatment: TRENTON-ABOVE 2130'; LOADED HOLE ABOVE BRUSH PLUG WITH JUDYHITE AND DETONATED

Initial Oil Production: NONE

Final Production: LIGHT SNOW

Oil Shows:

Water:	FW:	at:	at	at
	SW:	at:	at	at

Coal:

Plat Plotted Completion Report: X

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Plat

Plotted

Completion Report: X

Drillers Log: X

Geologic Log

Samples

Interval Sheet

Sample Interval

Geophysical Logs

S.P.

Res

Gamma: X

Neutron

Density

Sonic

Other: TEMPERATURE, FRACTURE IDENTIFICATION

Stratigraphic Data Source: THOMAS BIGGS
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