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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Paden City
Permit No. 47-095-0954

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Jim Emes Petroleum
Address 619 Laconia Bldg., Wheeling, WV
Farm Keller Acres 214
Location (waters) Pursley Creek
Well No. 1 Elev. 817
District Lincoln County Tyler
The surface of tract is owned in fee by _____
E.D. Holliday
Address Sisterville, WV
Mineral rights are owned by Robert Keller
Address Sisterville, WV
Drilling Commenced 10/24/81
Drilling Completed 10/29/81
Initial open flow _____ cu. ft. _____ bbls.
Final production 581.000 cu. ft. per day _____ bbls.
Well open 4 hrs. before test 1150 RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (SKS.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	271	271	90 SKS
7			
5 1/2			
4 1/2		2830	325 SKS
3			
2			
Liners Used			

Attach copy of cementing record.

Foam Frac 500 Gal Mud Acid 250 Bbls Water
437.000 C.F. Nitrogen 60.000# 20/40 Sand

Coal was encountered at X Feet X Inches
Fresh water X Feet X Salt Water X Feet X
Producing Sand Fifth Sand Depth 2623-2630 8 Shots
2635-2643 9 Shots

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shales & Slts.			774'	1248'		
Slts, shales, lime			1248'	1664'		
Sand & Slts.			1664'	1860'		
Squaw Sand			1860'	1865'		
Shales & Slts.			1865'	2072'		
Weir Sand			2072'	2108'		
Shale			2108'	2150'		
Berea Sand			2150'	2162'		
Sands & Slts			2162'	2638'		
<u>Fifth Sand</u>			2638'	2683'		
Shale			2683'	2870'		
					(Sand stringers can not be identified from logs)	
					Total Depth	

(over)

* Indicates Electric Log tops in the remarks section.

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Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks

Date November 25

1981

APPROVED Jim Emes Petroleum Co.

Owner

By Evel Stewart
(Title)



Well No. #1
Farm Robert Keller
API # 47 - 095 0954
Date 9/21/81

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas
(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: 817 Watershed: Pursley Creek
District: Lincoln County: Tyler Quadrangle: Paden City

WELL OPERATOR Jim Emes Petroleum
Address 619 Laconia Bldg.
Wheeling, WV

DESIGNATED AGENT Earl Stewart
Address P. O. Box 452
Ravenswood, WV

OIL AND GAS ROYALTY OWNER Robert Keller
Address Sistersville, WV
Acreage 274

COAL OPERATOR None
Address _____

SURFACE OWNER E. D. Holliday
Address Sistersville, WV
Acreage 194

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME None
Address _____

FIELD SALE (IF MADE) TO:
NAME _____
Address _____

NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Phillip Tracy
Address Rt. #3
Alma, WV 26320
Telephone 758-4573

COAL LESSEE WITH DECLARATION ON RECORD:
NAME None
Address _____

RECEIVED
SEP 28 1981
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated 9/18, 1981, to the undersigned well operator from Robert L. Keller.

(If said deed, lease, or other contract has been recorded:)

Recorded on 9/18, 1981, in the office of the Clerk of County Commission of Tyler County, West Virginia, in 230 Deed Book at page 379. A permit is requested as follows:

PROPOSED WORK: Drill / Drill Deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

Jim Emes Petroleum Co. Inc.
Well operator
By: Debra G. Emes
President

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Unknown

Address _____

GEOLOGICAL TARGET FORMATION Fifth Sand

Estimated depth of completed well 3,300 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, feet; salt, feet.
Approximate coal seam depths:
Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling	Left in Well		
Conductor									Kinds
Fresh water	8 5/8	H 40	20	X		250	250	Top to Bottom	
Coal									Sizes
Intermed.									
Production Tubing	4 1/2	K 55	10.5	X			3200		Depths set 3200
Liners									Perforations: Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-5, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 5-30-82.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: , 19 .

By: _____

Its: _____