

IV-35  
(Rev 8-81)

NOV 1 1982



DEPT. OF MINE State of West Virginia  
Department of Mines  
Oil and Gas Division

Date October 26, 1982  
Operator's  
Well No. EM #244  
Farm James Parsons  
API No. 47 - 035 - 1/46

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 X / Underground Storage    / Deep    / Shallow X /)

LOCATION: Elevation: 865' Watershed Straight Run  
District: Ripley County Jackson Quadrangle Ripley

COMPANY Kaiser Exploration and Mining Company

ADDRESS P. O. Box B, Ravenswood, WV 26164

DEVELOPMENT AGENT R. A. Pryce

ADDRESS P. O. Box B, Ravenswood, WV 26164

SURFACE OWNER James Parsons

ADDRESS Spencer Road, Ripley, WV 25271

MINERAL RIGHTS OWNER Same

ADDRESS   

OIL AND GAS INSPECTOR FOR THIS WORK Ben

Mace ADDRESS Rt. 1, Box 5, Sandridge, WV

PERMIT ISSUED 8/03/82

DRILLING COMMENCED 8/19/82

DRILLING COMPLETED 8/25/82

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 Concl.			
13-10"		251'	150 sks
9 5/8			
8 5/8			
7		2437	165 sks
5 1/2			
4 1/2		4534	200 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 3692' feet

Depth of completed well 4572' feet Rotary X / Cable Tools   

Water strata depth: Fresh    feet; Salt    feet

Coal seam depths:    Is coal being mined in the area?   

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth 4216'-4264' feet

Gas: Initial open flow N/A Mcf/d Oil: Initial open flow    Bbl/d

Final open flow 104 Mcf/d Final open flow    Bbl/d

Time of open flow between initial and final tests    hours

Static rock pressure 1000 psig (surface measurement) after    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)

JACK-1746

FORM IV-35  
(REVISED)

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

- 8/30/82 Devonian Brown Shale Perforations: 4216'-4364' shot selectively with 25 holes; 0.39" diameter.
- 8/31/82 Devonian Brown Shale Fracture: 60,000# of 20/40 sand; treatment pressure: 2500 psig-3100 psig; ISIP: 1200 psig; total of 318 bbl of water and 760,000 SCF of nitrogen.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sandstone & Shale			0	1214	
Sandstone			1214	1337	
Sandstone & Shale			1337	1773	
Limestone			1773	2060	
Sandstone & Shale			2060	2141	
Shale			2141	2513	
Coffee Shale			2513	2536	
Berea Sandstone			2536	2542	
Shale			2542	3692	S/g @ 2539'
Brown Shale			3692	4353	S/g @ 3467', 3488', 3552', 3567', 3629', 3655'
Shale			4353	4572 TD	S/g @ 3918', 3951', 4226'

(Attach separate sheets as necessary)

FAISLER EXPLORATION AND MINING COMPANY  
Well Operator  
By: R. A. P.  
Date: October 26, 1982

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."

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

West Virginia Department of Mines  
Office of Oil and Gas

Water Well Inspection Report

Date: 3/19/1984  
County: Wayne District: Ripley Watershed: Straight Run  
Property Owner: James Parsons Phone: 372-3046  
St. A Box 67  
Ripley WV 25271

Date problem was first detected: March-April 1984  
Nature of Problem: First noticed odor - rotten eggs  
June 28 1984 - Noticed white silts in water  
Gas in water well - Will burn at vent

Water source or supply type and specifications: Drilled well 1968  
1 1/2" dia. Sand 440' (salvaged casing to top  
of sand (385') Deep well submersible pump.

Is water quality data available from before water problems occurred. Yes  
1970 Health Dept. Bacteria Count  
1982 Health Dept. Bacteria Count  
Has analysis been made after problem occurred. No  
Will take sample & have analyzed.

What is the suspected cause of water problems: Kaiser gas well  
drilled in August 1982.

Listing of wells within 1000 feet of water well.

Remarks

District Oil and Gas Inspector

OGRA 010

0507

Obverse  
7-85



RECEIVED  
AUG 28 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

State of West Virginia  
Department of Energy  
Oil and Gas Division  
Charleston 25311  
FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
August 7, 1985

COMPANY Kaiser Exploration & Mining Co. PERMIT NO 035-1746-FRAC (3-29-85)  
P. O. Box 8 FARM & WELL NO James Parsons, KEM-244  
Ravenswood, West Virginia 26164 DIST. & COUNTY Ripley/Jackson

RILE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	X	
25.04	Prepared before Drilling to Prevent Waste	X	
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite	X	
15.03	Adequate Fresh Water Casing	X	
15.02	Adequate Coal Casing	X	
15.01	Adequate Production Casing	X	
15.04	Adequate Cement Strength	X	
15.05	Cement Type	X	
23.02	Maintained Access Roads	X	
25.01	Necessary Equipment to Prevent Waste	X	
23.04	Reclaimed Drilling Pits	X	
23.05	No Surface or Underground Pollution	X	
23.07	Requirements for Production & Gathering Pipelines	X	
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings	X	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED

*Justin R. Tipton*

DATE

8/21/85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

*T.H. Abbott*

Director, Division of Oil & Gas

September 4, 1985

DATE

TMS/nw

PARTIAL + OIL

EW-116

WEST VIRGINIA STATE HEALTH DEPARTMENT  
WATER ANALYSIS REPORT - INORGANICS  
ENVIRONMENTAL HEALTH SERVICES LABORATORY

RECEIVED  
W. Va. Health Service  
Water Lab  
NOV. 25 1985

WATER SUPPLY James Parson  
ADDRESS Spencer Road, Rte. 1  
Riplev, WV ZIP 25271  
POINT OF COLLECTION outside tap  
SOURCE: Well (drilled)

COUNTY Jackson  
LABORATORY NUMBER 852143  
DATE OF ANALYSIS DEC. 04 1985  
COLLECTED BY Perry Merritt, San. IV  
DATE OF COLLECTION November 25, 1985  
TIME OF COLLECTION \_\_\_\_\_

FINISHED WATER  RAW WATER

PRIMARY CONTAMINANTS (mg/l) & TURBIDITY <sup>1</sup>

Arsenic (0.05)							
Barium (1.0)							
Cadmium (0.01)							
Chromium (0.05)							
Lead (0.05)							
Mercury (0.002)							
Fluoride (1.0 optimum)			3	.	32		
Turbidity (1.0 NTU)							
Selenium (0.01)							
Silver (0.05)							
Nitrate (As N) (10)			0	.	04		

SECONDARY STANDARDS (mg/l)

Chloride (250.0)			12	.	0		
Copper (1.0)							
Iron (0.3)			0	.	01		
Manganese (0.05)			0	.	0		
Phenols (0.001)							
Sulfate (250.0)							
TDS (500.0)			739	.	5		
Zinc (5.0)							
Color (15.0 units)							
Odor (3.0 units)							
Hydrogen Sulfide (0.05)							
Methylene Blue Active Substance (foaming agents) (0.5)							

MISCELLANEOUS PARAMETERS (mg/l)

Alkalinity (PHTH) (As CaCO <sub>3</sub> )			0	.	0		
Alkalinity (M.O.) (As CaCO <sub>3</sub> )			416	.	0		
Hardness (As CaCO <sub>3</sub> )			0	.	0		
pH (units)			8	.	1		
Cyanide (0.2)							
Calcium							
Magnesium							
Sodium			240	.	0		

REMARKS High sodium, TDS, JSP

CHEMISTS Rosencrance-Stratton-Hayes-Kee-Masin-Haynes-Coffman

Environmental Health Services Laboratory  
151 11th Avenue, South Charleston, WV 25303  
(304) 348-0197

<sup>1</sup> Maximum contaminant levels shown in parenthesis

PARTIAL & ODOR  
EW-116

372-3246

WEST VIRGINIA STATE HEALTH DEPARTMENT  
WATER ANALYSIS REPORT - INORGANICS  
ENVIRONMENTAL HEALTH SERVICES LABORATORY

RECEIVED  
Env. Health Services  
Water Lab  
SEP. 18 1984  
Date: \_\_\_\_\_

WATER SUPPLY James Parsons  
ADDRESS Rte. 4 Box 67  
Ripley, WV ZIP 25271

COUNTY Jackson

LABORATORY NUMBER 811516

DATE OF ANALYSIS SEP. 20 1984

COLLECTED BY Perry Merritt, Dir. Eng.

POINT OF COLLECTION pump  
SOURCE: drilled well

DATE OF COLLECTION July 1, 1984

FINISHED WATER  RAW WATER

TIME OF COLLECTION \_\_\_\_\_

PRIMARY CONTAMINANTS (mg/l) & TURBIDITY <sup>1</sup>

SECONDARY STANDARDS (mg/l)

Arsenic (0.05)						
Barium (1.0)						
Cadmium (0.01)						
Chromium (0.05)						
Lead (0.05)						
Mercury (0.002)						
Fluoride (1.0 optimum)						
Turbidity (1.0 NTU)						
Selenium (0.01)						
Silver (0.05)						
Nitrate (As N) (10)						

Chloride (250.0)					
Copper (1.0)					
Iron (0.3)					
Manganese (0.05)					
Phenols (0.001)					
Sulfate (250.0)					
TDS (500.0)					
Zinc (5.0)					
Color (15.0 units)					
Odor (3.0 units)					
Hydrogen Sulfide (0.05)					
Methylene Blue Active Substance (foaming agents) (0.5)					

MISCELLANEOUS PARAMETERS (mg/l)

Alkalinity (PHTH) (As CaCO <sub>3</sub> )					
Alkalinity (M.O.) (As CaCO <sub>3</sub> )					
Hardness (A CaCO <sub>3</sub> )					
pH (units)					

Cyanide (0.2)					
Calcium					
Magnesium					
Sodium					

REMARKS Microscopic examination reveals large glossy gelatinous masses indicative of a gel.  
There were numerous rod shaped particles present which were not readily distinguish-  
as a nuisance bacterial growth. They odor is of a putrefying description. JER

CHEMISTS Rosencrance-Stratton-Hayes-Kee-Masin-Haynes-Coffm

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EW-116

WEST VIRGINIA STATE HEALTH DEPARTMENT  
WATER ANALYSIS REPORT - INORGANICS  
ENVIRONMENTAL HEALTH SERVICES LABORATORY

RECEIVED  
Env. Health Services  
Water Lab  
AUG. 31 1984  
Date

WATER SUPPLY James Parsons  
ADDRESS Rt 4 Box 67  
Ripley, WV ZIP 25271

COUNTY Jackson  
LABORATORY NUMBER 841420

POINT OF COLLECTION Off Top of Well  
SOURCE: Drilled Well

DATE OF ANALYSIS SEP. 18 1984  
COLLECTED BY Mike Lewis, Eng  
DATE OF COLLECTION 8-31-84

FINISHED WATER  RAW WATER

TIME OF COLLECTION \_\_\_\_\_

PRIMARY CONTAMINANTS (mg/l) & TURBIDITY <sup>1</sup>

SECONDARY STANDARDS (mg/l)

Arsenic (0.05)					
Barium (1.0)					
Cadmium (0.01)					
Chromium (0.05)					
Lead (0.05)					
Mercury (0.002)					
Fluoride (1.0 optimum)			3.48		
Turbidity (1.0 NTU)					
Selenium (0.01)					
Silver (0.05)					
Nitrate (As N) (10)	<		0.04		

Chloride (250.0)			59.0		
Copper (1.0)					
Iron (0.3)			1.6		
Manganese (0.05)			0.34		
Phenols (0.001)					
Sulfate (250.0)					
TDS (500.0)			783.0		
Zinc (5.0)					
Color (15.0 units)					
Odor (3.0 units)					
Hydrogen Sulfide (0.05)					
Methylene Blue Active Substance (foaming agents) (0.5)					

MISCELLANEOUS PARAMETERS (mg/l)

Alkalinity (PHTH) (As CaCO <sub>3</sub> )			0.0		
Alkalinity (M.O.) (As CaCO <sub>3</sub> )			290.0		
Hardness (A CaCO <sub>3</sub> )			10.0		
pH (units)			7.5		

Cyanide (0.2)					
Calcium					
Magnesium					
Sodium			295.0		

REMARKS  
1) High iron, manganese, fluoride and sodium  
2) Quartz-zircon residue - characteristic of a sealant.  
3) Small black droplets for residue - dark and light gelatinous material

Check samples on JR would be indicative of a gel. JR

CHEMISTS Rosencrance-Stratton-Hayes-Kee-Masin-Haynes-Coffin  
Environmental Health Services Laboratory  
151 11th Avenue, South Charleston, WV 25303  
(304) 348-0197

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EW-116

WEST VIRGINIA STATE HEALTH DEPARTMENT  
WATER ANALYSIS REPORT - INORGANICS  
ENVIRONMENTAL HEALTH SERVICES LABORATORY

RECEIVED  
Env. Health Serv.  
Water Lab  
SEP. 18 1984

WATER SUPPLY James Parsons  
ADDRESS Rte. 4 Box 67  
Ripley, WV ZIP \_\_\_\_\_

COUNTY Jackson

LABORATORY NUMBER 841517

DATE OF ANALYSIS SEP. 24 1984

POINT OF COLLECTION \_\_\_\_\_

COLLECTED BY Perry Merritt, Dir. Eng.

SOURCE: drilled well

DATE OF COLLECTION Sept. 17, 1984

FINISHED WATER  RAW WATER

TIME OF COLLECTION \_\_\_\_\_

PRIMARY CONTAMINANTS (mg/l) & TURBIDITY <sup>1</sup>

SECONDARY STANDARDS (mg/l)

"Odor: Gas? Sulphur?"

Arsenic (0.05)							
Barium (1.0)							
Cadmium (0.01)							
Chromium (0.05)							
Lead (0.05)							
Mercury (0.002)							
Fluoride (1.0 optimum)							
Turbidity (1.0 NTU)							
Selenium (0.01)							
Silver (0.05)							
Nitrate (As N) (10)							

Chloride (250.0)							
Copper (1.0)							
Iron (0.3)							
Manganese (0.05)							
Phenols (0.001)							
Sulfate (250.0)							
TDS (500.0)							
Zinc (5.0)							
Color (15.0 units)							
Odor (3.0 units)							
Hydrogen Sulfide (0.05)							
Methylene Blue Active Substance (foaming agents) (0.5)							

MISCELLANEOUS PARAMETERS (mg/l)

Alkalinity (PHTH) (As CaCO <sub>3</sub> )							
Alkalinity (M.O.) (As CaCO <sub>3</sub> )							
Hardness (A CaCO <sub>3</sub> )							
pH (units)							

Cyanide (0.2)							
Calcium							
Magnesium							
Sodium							

REMARKS

*Hydrocarbon odor indicative of gas.  
High alkalinity, high sodium. J.L.*

CHEMISTS Rosencrance-Stratton-Hayes-Kee-Mas in-Haynes-Coffin

Environmental Health Services Laboratory  
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(304) 348-0197

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EW-116

WEST VIRGINIA STATE HEALTH DEPARTMENT  
WATER ANALYSIS REPORT - INORGANICS  
ENVIRONMENTAL HEALTH SERVICES LABORATORY

RECEIVED  
Env. Health Services  
Water Lab  
NOV. 26 1984

WATER SUPPLY James Parson

COUNTY Jackson

ADDRESS Ripley, WV

LABORATORY NUMBER 841842

ZIP \_\_\_\_\_

DATE OF ANALYSIS NOV. 30 1984

POINT OF COLLECTION of spigot

COLLECTED BY Perry Merritt, Dir. Env. Hea

SOURCE: Well

DATE OF COLLECTION November, 23, 1984

FINISHED WATER  RAW WATER

TIME OF COLLECTION \_\_\_\_\_

PRIMARY CONTAMINANTS (mg/l) & TURBIDITY <sup>1</sup>

SECONDARY STANDARDS (mg/l)

Arsenic (0.05)									
Barium (1.0)									
Cadmium (0.01)									
Chromium (0.05)									
Lead (0.05)									
Mercury (0.002)									
Fluoride (1.0 optimum)									
Turbidity (1.0 NTU)									
Selenium (0.01)									
Silver (0.05)									
Nitrate (As N) (10)	<								

Chloride (250.0)									
Copper (1.0)									
Iron (0.3)									
Manganese (0.05)									
Phenols (0.001)									
Sulfate (250.0)									
TDS (500.0)									
Zinc (5.0)									
Color (15.0 units) <sup>1</sup>									
Odor (3.0 units)									
Hydrogen Sulfide (0.05)									
Methylene Blue Active Substance (foaming agents) (0.5)									

MISCELLANEOUS PARAMETERS (mg/l)

Alkalinity (PHTH) (As CaCO <sub>3</sub> )									
Alkalinity (M.O.) (As CaCO <sub>3</sub> )									
Hardness (A CaCO <sub>3</sub> )									
pH (units)									

Cyanide (0.2)									
Calcium									
Magnesium									
Sodium									

REMARKS High sodium JEL

CHEMISTS Rosencrance-Stratton-Hayes-Kee-Masin-Haynes-Coffm

Environmental Health Services Laboratory  
151 11th Avenue, South Charleston, WV 25303  
(304) 348-0197

<sup>1</sup> Maximum contaminant levels shown in parenthesis