

## INVENTORY OF SOLUTION MINING WELLS

OIL CONSERVATION DIVISION, 1981

\*.= please attach pertinent documents

## I. OPERATOR / LOCATION INFORMATION

Operator PPG Industries, Inc.Address 1000 N. 10th St.Indianapolis, IN 46204 Phone (317) 221-1111Well unit # 1 Location PPG PlantT. 39 R. 5 Sec. 1 1/4 1/4 1/4County MarionPurpose of well (brine supply, LPG storage, potash dissolution) Brine supply

## II. DRILLING / SITING INFORMATION

Contractor PPG Industries, Inc.Date drilling started 10/1/81 Date drilling completed 10/1/81Drilling method RotaryElevation of ground surface 1000 How measured SurveyDate measured 10/1/81 Order of survey 1Name of surveyor PPG Industries, Inc.Total depth of hole 1000

Attach schematic of well, include open hole interval, perforations, etc. \*

Type of drilling fluid WaterType of drilling mud if used (brand if known) None

List any additives to the drilling mud, or any other chemicals put down well:

Describe casing tests performed NoneOther tests None

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\* = please attach pertinent documents

## II. DRILLING / SITING (continued)

Casing, tubing, and cementing record (please attach copy)\*

Note: If a copy is not available detail casing record on back of this sheet using the following format. Include brand or type of cement if known.

From	To	Size of Hole	Size of Casing	Weight per Foot	Sacks of Cement	Estimated Top of cmt.
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Was mudcake on bore wall removed before cementing production casing? 1/1

Was salt saturated cementing material used opposite salt formation? 1/1

Is site within 1/2 mile of another well? If so, use note to explain.                     

Site preparation (concrete pad, graded dirt, pit, etc.)                     

Type of surface seal or well-head (locking security cap, welded, etc.)                     

Comments (include problems encountered while drilling, loss of circulation, deviation of hole from vertical, centralizers used, tools lost or stuck, fracturing techniques used, etc.)                     

(use back of sheet if more space is required)

\* = please attach pertinent documents

## III. FORMATION INFORMATION

## Formation Record

From	To	Thickness	Formation (name, description)
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## Section 6

## LOG OF WELL

Depth in Feet		Thickness In Feet	Color	Type of Material Encountered
From	To			
0	25	25	White	Caliche & rock
25	60	35	Grey	Sandy shale
60	70	10	"	Sand rock
70	112	42	Red	Shale
112	130	18	"	Red rock
130	160	30	"	Sandy shale
160	205	45	Grey	Sandy shale
205	370	165	Red	Shale
370	400	30	Grey	Sandy shale
400	500	100	"	Sand, consolidated

Logs (specify type) \_\_\_\_\_

Identify where logs are on file \_\_\_\_\_

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#### IV. AQUIFER INFORMATION

##### Aquifers encountered during drilling

From	To	Aquifer Description	Amount of Water entering hole	Quality of Water
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Note: if water quality analyses are available please attach.\*

Source of aquifer description \_\_\_\_\_

Depth at which water was first encountered \_\_\_\_\_

Depth to which water rose \_\_\_\_\_

Source of water level data \_\_\_\_\_

Comments (include information regarding determination of piezometric level  
and method of sealing off water zone) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\* = please attach pertinent documents

V. PRODUCTION / BRINE STORAGE INFORMATION

Method of production (describe fully) from solution mining

Was well used previously for some purpose other than brine supply, potash dissolution, or LPG storage. If so use note to explain. no

Use of brine sell for

Source of injection water (be specific) from solution mining

Attach detailed production history (include dates of production, amount of water injected, injection rates, amount of brine produced, production rates, method of gaging injection/production rates )\*

Note: If the cavity was used for LPG storage include volumes of product injected and withdrawn as well as a summary of the maximum and minimum pressures during injection, storage and withdrawal.

Chemical analyses of injection water (attach)\*

Note : Chemical analyses should include sampling point and method, pH, temperature, method of analysis, name and location of laboratory, etc.

Chemical analyses of water produced (attach)\*

\* = please attach pertinent documents

V. PRODUCTION / BRINE STORAGE (continued)

Brine storage facilities (describe) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Current condition/status of brine storage pit \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Is brine storage pit currently being monitored for leakage? \_\_\_\_\_

Specify company or agency which is monitoring leakage \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

If pit leakage has been monitored in past use note to explain. \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Comments on production history (note if production rates or brine \_\_\_\_\_  
concentrations have changed through time) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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## VI. ABANDONMENT / PLUGGING RECORD

Date well abandoned/plugged \_\_\_\_\_

Reason for well abandonment or plugging \_\_\_\_\_

Method of Plugging (describe fully, include amounts of cement, est. top, plug type, depth, etc.) \_\_\_\_\_

## VII. Further comments (subsidence noted, subsidence monitoring, leakage noted, natural subsidence features noted nearby, LPG storage data, etc.)

No subsidence  
No leakage

Recorded by \_\_\_\_\_

Date \_\_\_\_\_

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