



FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 100'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION 620' CRT. 14 INT.

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 ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) R. E. [Signature]  
 R.P.E. 7518 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE Aug. 17, 1984  
 OPERATOR'S WELL NO SMITH BROS. #1  
 API WELL NO. 47-107-1315  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS" PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 631.0 WATERSHED BRISCOE RUN  
 DISTRICT WILLIAMS 0 COUNTY WOOD  
 QUADRANGLE PARKERSBURG 532 Parkersburg 097 EC 6  
 SURFACE OWNER MID CONTINENT ERECTION CORP. ACREAGE 8.0 AC.  
 OIL & GAS ROYALTY OWNER MID CONT. ERECT. CORP. LEASE ACREAGE 8.0 AC.  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION BEREA 0136 ESTIMATED DEPTH 2500'  
 WELL OPERATOR CGM CONTRACTORS INC. DESIGNATED AGENT AL SMITH  
 ADDRESS PO. Box 5100 ADDRESS PO. Box 5100  
VIENNA, W.V. 26105 VIENNA, W.V. 26105

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

Date December 10, 1984

FORM IV-35  
(Obverse)

Operator's Well No. SMITH #1

[08-78]

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE  
API Well No. 47 - 107 - 1315  
State County Permit

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

LOCATION: Elevation: 631.0 Watershed: Brisco Run  
District: Williams County: Wood Quadrangle: Parkersburg 7.5

WELL OPERATOR CGM Contractors DESIGNATED AGENT Al Smith  
Address Box 5100 Address P. O. Box 5100  
Vienna, WV 26105 Vienna, WV 26105

PERMITTED WORK: Drill  / Convert  / Drill deeper  / Redrill  / Fracture or stimulate   
Plug off old formation  / Perforate new formation   
Other physical change in well (specify) \_\_\_\_\_

PERMIT ISSUED ON August 21, 19 84

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Glen Robinson (489-9162)  
Address Rt. 7, #6  
Mineral Wells, WV 26150

GEOLOGICAL TARGET FORMATION: Gordon Depth 2990 feet

Depth of completed well, 2460 feet Rotary  / Cable Tools

Water strata depth: Fresh, 35 feet; salt, \_\_\_\_\_ feet.

Coal seam depths: None Is coal being mined in the area? NO

Work was commenced 8/28, 19 84, and completed 9/2, 19 84

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	8 5/8		23#	X			500'	Circulate	Kinds
Fresh water									
Coal									Sizes
Intermediate									
Production	4 1/2	ERW	10.5	X			2300'	125 sks 50/50 pos.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2195-2210 feet

Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, -0- Bbl/d

Final open flow, (360) Mcf/d Final open flow, -0- Bbl/d

Time of open flow between initial and final tests, 4 hours

Static rock pressure, 800 psig (surface measurement) after 12 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 Final open flow, \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests, \_\_\_\_\_ hours

Y-6-86

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

Perforate 10 holes between 2195-2210 feet

NOWSCO Frac - 800 bbls water 30m/lbs 20/40 SAND

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Surface	Dark	Soft	-0-	10'	
Sand, Shale		Soft	10'	29'	
Sand		Hard	20'	36'	Water, fresh
Shale	Dark, grey	Soft	37'	400'	
Red Rock		Soft	401'	425'	
Sand, Shale			426'	700'	
Rock		Hard	701'	750'	
Sand, Shale		Hard	751'	870'	
Shale	Grey, Dark		871'	912'	
Sand, Shale			913'	980'	
Shale			981'	1006'	
Sand			1007'	1020'	
Shale			1021'	1091'	
Sand			1092'	1125'	
Shale, Sand			1124'	1272'	
Sand, Stringers			1273'	1350'	
Shale, Slate			1351'	1378'	
Sand (Big Injun) $\rho$	Coarse	Hard	1379'	1513'	
Shale			1514'	1889'	
Sand (Berea)			1890'	1895'	
Shale			1895'	2192'	
Sand/Shale			2193'	2203'	
Shale			2204'	2460'	IP. Up. Rev. @ TD

(Attach separate sheets to complete as necessary)

CGM CONTRACTORS

Well Operator

By

*[Signature]*

Its President

**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."

**RECEIVED**

AUG 21 1984



- 1) Date: August 8, 19 84
- 2) Operator's Well No. Smith Bros. #1
- 3) API Well No. 47 - 107 - 1315  
State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

OIL & GAS DIVISION  
**DEPT. OF MINES**

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

- 4) WELL TYPE: A Oil  / Gas \_\_\_\_\_  
B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow )
- 5) LOCATION: Elevation: 631.0 / Watershed: Brisco Run (0.49)  
District: Williams / County: Wood / Quadrangle: Parkersburg 7.5
- 6) WELL OPERATOR CGM CONTRACTORS, INC.  
Address Box 5100  
Vienna, WV 26105
- 7) DESIGNATED AGENT AL Smith  
Address P.O. Box 5100  
Vienna, WV 26105
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Glen Robinson (489-9162)  
Address Route 1, #6  
Mineral Wells, WV 26150
- 9) DRILLING CONTRACTOR:  
Name Unknown  
Address \_\_\_\_\_
- 10) PROPOSED WELL WORK: Drill  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Gordon
- 12) Estimated depth of completed well, 2990 feet
- 13) Approximate strata depths: Fresh, 60 feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: None Is coal being mined in the area? Yes \_\_\_\_\_ / No

**RECEIVED**  
AUG 16 1984  
OIL & GAS DIVISION  
**DEPT. OF MINES**

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	8 5/8		20	X		350	350	95 sks. - neat - 3% cc	Kinds <u>CTS</u> Sizes _____
Fresh water									
Coal									
Intermediate									
Production	4 1/2	ERW	10.5	X		2990	2990	250 sks.	Depths set <u>as required by</u> Perforations <u>15.01</u>
Tubing									
Liners									Top _____ Bottom _____

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-107-1315 Date August 21, 19 84

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 August 21, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <input checked="" type="checkbox"/>	Plat:	Casing	Fee
<u>SB</u>	<u>MH</u>	<u>MH</u>	<u>MH</u>	<u>12634</u>

*Margaret J. Hase*  
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File