

BETHLEHAM MINES CORP.
 COORDINATE VALUES OF LOCATION
 N 213,803.60 E 1,787,275.81

Minimum Error of Closure 1' IN 200'
 Source of Elevation LEVELS FROM U.S.G.S. B.M. 100-W.S.M.-1957, ELEV. 1117'
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

New Location.....
 Drill Deeper.....
 Abandonment.....

MAP SHEET 56A-5-26-E19 F.B.1332 Pg. 35-40

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, W. VA.
 Farm FRENCH SHOMO
 Tract _____ Acres 176 Lease No. 66231
 Well (Farm) No. _____ Serial No. 10636
 Elevation (Spirit Level) 1355'
 Quadrangle PHILIPPI W.C.
 County UPSHUR District WARREN
 Engineer Guy H. Bradley
 Engineer's Registration No. 24251
 File No. _____ Drawing No. _____
 Date APRIL 13, 1965 Scale 1" = 40 P

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

WELL LOCATION MAP
 FILE NO. LLPS-890

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 19

Rotary
Spudder
Cable Tools
Storage

Quadrangle PHILIPPI

Permit No. UPS-890

WELL RECORD

Oil or Gas Well Gas
(KIND)

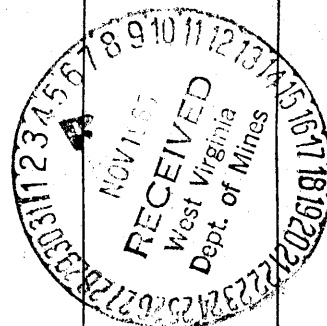
Company Consolidated Gas Supply Corp.
Address Clarksburg, W. Va.
Farm French Shomo Acres 176
Location (waters) _____
Well No. 10636 Elev. 1355'
District Warren County Upshur
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 5-11-65
Drilling completed 7-16-65
Date Shot Not shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume Show Cu. Ft. _____
Rock Pressure 1150# lbs. 12 hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) No
WELL FRACTURED (DETAILS) 7-26-65 See frac record attached

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|--------------------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | | | |
| 10 | 297 | 297 | Size of |
| 8 1/4 | 1630 | 1630 | Depth set |
| 6 5/8 | 2120 | 2120 | |
| 5 3/16 | | | |
| 4 1/2 | 4448 | 4448 | Perf. top <u>4376</u> |
| 3 | | | Perf. bottom <u>4380</u> |
| 2 | | | |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

Attach copy of cementing record. 4 1/2" with 110 bags
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) 7" with 40 bags
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
None FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1,161 MCF
ROCK PRESSURE AFTER TREATMENT 1640# HOURS 14 days
Fresh Water See log Feet _____ Salt Water See log Feet _____
Producing Sand Benson Depth 4374-4380'

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|-----------|-------|--------------|-----------|--------|-------------------|-------|---------|
| | | | -O-V-E-R- | | | | |



Consolidated Gas Supply Corp.
Jack Bailey
November 3, 1965

| FORMATION | Open or Close Hard or Soft | TOP 18 | BOTTOM | Steel Line Measurement | Water Found Depth | Oil Found Depth | Gas Found Depth | REMARKS |
|-------------------|-------------------------------|--------|--------|---------------------------|-----------------------------------|--------------------|--------------------|---|
| Clay | | 0 | 8 | | | | | |
| Slate | | 8 | 25 | | | | | |
| Sand | | 25 | 35 | | | | | |
| Slate | | 35 | 50 | | 50 ft. water - 3 Bailers per hr. | | | |
| Gritty Lime | | 50 | 95 | | | | | |
| Red Rock | | 95 | 100 | | | | | |
| Gritty Lime | | 100 | 120 | | | | | |
| Slate & Shells | | 120 | 185 | | | | | |
| Red Rock | | 185 | 230 | | | | | |
| Gritty Lime | | 230 | 238 | | | | | |
| Sand | | 238 | 245 | | | | | |
| Slate | | 245 | 310 | | | | | |
| Sand | | 310 | 335 | | | | | |
| Slate | | 335 | 380 | | | | | |
| Gritty Lime | | 380 | 395 | | | | | |
| Red Rock | | 395 | 415 | | | | | |
| Slate & Shells | | 415 | 505 | | | | | |
| Sand | | 505 | 520 | | | | | |
| Slate | | 520 | 535 | | | | | |
| Sand | | 535 | 590 | | | | | |
| Slate & Shells | | 590 | 704 | | | | | |
| Sand | | 704 | 725 | | | | | |
| Slate | | 725 | 760 | | | | | |
| Sand | | 760 | 787 | | | | | |
| Slate & Shells | | 787 | 887 | | | | | |
| Sand | | 887 | 1120 | | Water 996-1006 - 1 Bailer per hr. | | | |
| Gritty Lime | | 1120 | 1210 | | | | | |
| 3RD SALT | | 1210 | 1280 | | | | | |
| Slate | | 1280 | 1305 | | | | | |
| Red Rock | | 1305 | 1326 | | | | | |
| Gritty Lime | | 1326 | 1376 | | | | | |
| Red Rock | | 1376 | 1415 | | | | | |
| Gritty Lime | | 1415 | 1473 | | | | | |
| Red Rock | | 1473 | 1548 | | | | | |
| Slate | | 1548 | 1565 | | | | | |
| LITTLE LIME | | 1565 | 1580 | | | | | |
| Slate - R.C.P. | | 1580 | 1624 | | | | | |
| BIG LIME | | 1624 | 1790 | | | | | Run 8 in. at 1630 |
| Gritty Lime | | 1790 | 1875 | | | | | |
| Slate | | 1875 | 1915 | | | | | |
| GANTZ(TOP) | | 1915 | | | Hole full water 1915-1929 | | | |
| 50 FOOT (BOTTOM) | | | 2075 | | | | | |
| Gritty Lime | Red | 2075 | 2087 | | | | | |
| Slate & Shells | | 2087 | 2121 | | | | | |
| Gritty Lime | | 2121 | 2140 | | | | | |
| Red Lime | | 2140 | 2143 | | | | | |
| Sand | | 2143 | 2152 | | | | | |
| Lime | | 2152 | 2165 | | | | | |
| Rock | Red & Blue | 2165 | 2342 | | | | | |
| SAND 5TH | | 2342 | 2385 | | | | | |
| Lime | | 2385 | 2405 | | | | | |
| Slate & Shells | | 2405 | 2435 | | | | | |
| Sand | | 2435 | 2452 | | | | | |
| Slate & Shells | | 2452 | 2464 | | | | | |
| Sand Bay | | 2464 | 2490 | | | | | |
| Slate & Shells | | 2490 | 3305 | | | | | |
| Speachley Sand | | 3305 | 3315 | | | | | |
| Slate & Shells | | 3315 | 4042 | | | | | |
| RILEY SAND | | 4042 | 4065 | | | | | Gas @ 4048-4056 10/10 w 3/8" FM |
| Slate & Shells | | 4065 | 4305 | | | | | Gas Blowdown 6/10 w 1/4" FM |
| Sand | | 4305 | 4310 | | | | | |
| Slate | | 4310 | 4344 | | | | | Test before drilling Benson 5/10 w 1/4" |
| BENSON SAND | | 4344 | 4380 | | | | | Gas @ 4360-80 55/10 w 1/2" FM, 14M |
| Slate & Shells | | 4380 | 4450 | | | | | 48 hr. Blowdown 32/10 w 1/2" FM, 11M |
| TOTAL DEPTH | | | 4450 | | | | | |

2842
1355
1487

1355
2342
13

Date _____, 19____

APPROVED _____, Owner

By _____ (Title)

HOPE NATURAL GAS COMPANY

Report on Hydraulic Fracturing

WELL NO. 10636
MAP
SQUARES N. 19 25 W.

NEW WELL OLD WELL
FARM NAME French Shomo DISTRICT Warren COUNTY Upshur STATE W. Va.

OPERATOR Cons. Gas Supply Corp. SERVICE COMPANY Dowell DATE 7/26/65

FORMATION Bonson TOP 4344 BOTTOM 4380

Part. ZONE: TOP 4376 BOTTOM 4380 WAS FORMATION SHOT? No

TOTAL DEPTH 4450 PLUGGED BACK TO 4445 WITH 1 Bag of regular cement

SURVEY: CALIPER - TEMPERATURE Y-s GAMMA RAY Yes OTHER Density & Induction

O.F. ORIGINAL 13.9 MCF. R.P. - # IN - HOURS

O.F. BEFORE FRAC. 1.4 MCF. R.P. - # IN - HOURS

PRODUCTION STRING: SIZE 4 1/2" LENGTH 4448 CEMENTED WITH 110 BAGS OF regular CEMENT

COMPLETION: OPEN HOLE - PERFORATIONS Yes NUMBER 17 TYPE 1/2"

WAS LINER SET? No SIZE - TOP - BOTTOM -

INJECTION STRING: SIZE 4 1/2" LENGTH 4448 PACKER: SET @ - SIZE -

PACKER (CONTD): TYPE - MAKE - CEMENTED WITH - BAGS OF - CEMENT

(TO BE FILLED IN BY SERVICE ENGINEER)

TYPE OF TREATMENT Riverfrac VOLUME OF FLUID REQUIRED TO FILL HOLE 68 bbls. ~~1116~~

TREATMENT - BREAKDOWN

FLUID: KEROSENE GALS
Water 96 ~~102~~ bbls.
TOTAL 102 ~~102~~ bbls.
BREAKDOWN PRESSURE: MAXIMUM 3250 #
FINAL 3250 #
TIME 1 MINUTES
INJECTION RATE: 34.0 bbls. ~~102~~ PER MINUTE
VISCOSITY (SSU) SP. GR.

TREATMENT - FRACTURE

FLUID: KEROSENE GALS
WATER 1128 ~~1128~~ bbls.
GEL AGENT GALS
J-100 150 ~~150~~ bbls.
J-101 884 ~~884~~ bbls.
TOTAL 1128 ~~1128~~ bbls.
FLUID LOSS
SAND: AMOUNT 51,000 POUNDS
SIZE 20-40
PRESSURE: MAXIMUM 3250 #
FINAL 2800 #
TIME 29 MINUTES
INJECTION RATE: START OF GEL 34.0 bbls. ~~1128~~ PER MINUTE
AVERAGE 39.0 bbls. ~~1128~~ PER MINUTE
VISCOSITY (SSU) SP. GR.

TREATMENT - FLUSH

FLUID: KEROSENE GALS
WATER 68 ~~68~~ bbls.
TOTAL 68 ~~68~~ bbls.
PRESSURE: MAXIMUM 2850 #
FINAL 2850 #
TIME 1-3/4 MINUTES
INJECTION RATE: 39.0 bbls. ~~68~~ PER MINUTE
VISCOSITY (SSU) SP. GR.

TOTAL FLUID USED 1293 ~~1293~~ bbls.

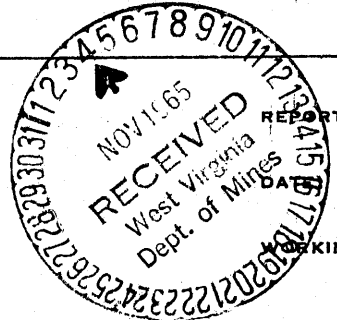
COMPLETION

PRESSURE 10 MINUTES AFTER PUMPS SHUT DOWN: - #
PRESSURE AT END OF SHUT IN PERIOD: IN HOURS
FLUID RECOVERED: BBLs IN 24 HOURS. IN 48 HOURS. IN HOURS
FLUID REMAINING IN FORMATION: GALS VOLUME OF SAND RECOVERED
O.F. AFTER FRAC. 1,061 MCF. R.P. 1150 # IN 12 HOURS

REMARKS:

(CONTINUE ON BACK)

COPY TO: C. D. REESE
LAND DEPARTMENT
DIVISION SUPERINTENDENT
DISTRICT SUPERINTENDENT



REPORTED BY: [Signature]
August 2, 1965
WESTON DISTRICT