



Minimum Error of Closure 1 in 200'

Source of Elevation Elev. of well drilled 1200' North - 1160'

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

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.

Signed: [Signature]
 Squares: N S E W

Company TACOMA MINES
 Address Suite 309, May-Ex Bldg, Oklahoma City, Okla.
 Farm Tacoma - Snider
 Tract Acres 53.50 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 966
 Quadrangle Centerpoint SC
 County Doddridge District Greenbrier
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date December 18, 1972 Scale 1" = 300' = 495'

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

WELL LOCATION MAP
 FILE NO. Dodd-1722

+ 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
WELL RECORD

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

Quadrangle Centerpoint
Dodd-
Permit No. 1722

Company <u>Tecoma Mines</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Clarksburg, WV</u>	Size			
Farm <u>Snider</u> Acres <u>53 1/2</u>	20-16			
Location (waters) <u>Greenbrier Creek</u>	Cond.			
Well No. <u>Tecoma #1</u> Elev. <u>966</u>	13-10"			
District <u>Greenbrier</u> County <u>Doddridge</u>	9 5/8			
The surface of tract is owned in fee by <u>Kieth Sutton</u>	8 5/8	690	690	175 SX Circ
Address <u>Salem, WV</u>	7			
Mineral rights are owned by <u>J. Snider</u>	5 1/2			
Address <u>Jacksonville, FL</u>	4 1/2		2184	100 SX 400'
Drilling Commenced <u>13 Feb, 1973</u>	3			
Drilling Completed <u>19 Feb, 1973</u>	2			
Initial open flow <u>No Test</u> cu. ft. _____ bbls.	Liners Used			
Final production <u>491,000</u> cu. ft. per day _____ bbls.				
Well open <u>4</u> hrs. before test <u>425</u> RP.				

Well treatment details: Attach copy of cementing record.
Frac W/ 500 Gal Acid; 745 BFW; 30000# 20/40 SD
Air 19.4 BPM @ AIP 2550

Coal was encountered at 655 Feet 84 Inches
Fresh water 45 Feet Salt Water _____ Feet
Producing Sand Big Injun Depth 2098 to 2108

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Beds & Sand			0	1450		
Sand			1450	1480		
Shale			1480	1560		
Sand			1560	1600		
Shale			1600	1705		
Sand			1705	1765		
Shale			1765	1845		
Shaley Sand			1845	1905		
Shale			1905	1970		
Lime			1970	1980		Little Lime
Shale			1980	2005		Pencil Cave
Lime			2005	2060		Big Injun
<u>Big Injun</u>			2060	2145		
Shale			2145	2207		Total Depth

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 29 1972

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE 18 December, 1972

Surface Owner Keith Sutton
Address Salem, W.Va.
Mineral Owner J. Snider et al
Address Jacksonville, Florida
Coal Owner Mountaineer Coal Co
Address Monongah W.Va.
Coal Operator Same
Address _____

Company Tecoma Mines
Address Clarksburg, W.Va.
Farm Snider Acres 53.5
Buffalo Coal Field
Location (waters) Greenbrier Creek
Well No. Tecoma #1 Elevation 966'
District Greenbrier County Doddridge
Quadrangle Centerpoint

INSPECTOR TO BE NOTIFIED M. Am. Blesser
Box 1857 PH: Fairmont
Clarksburg, W.Va. 363-9105
24566

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 5-2-73.
Robert L. Webb
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated _____ 19____ by _____
J. E. Webber made to Tecoma Mines and recorded on the _____ day of _____
19____, in _____ County, Book _____ Page _____
 NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Tecoma Mines
(Sign Name) Robert F. Handcock Vice President
Well Operator

Address _____
of _____
Well Operator _____
3022 NW Expressway _____
Street _____
Oklahoma City _____
City or Town _____
Oklahoma 73112 _____
State _____

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BOND DRILL

Modd-1722 PERMIT NUMBER

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Haught _____ NAME Robert F. Hardebeck _____
 ADDRESS Smithville, W.Va. _____ ADDRESS Clarksburg, W.Va. _____
 TELEPHONE 477-2222 _____ TELEPHONE 623-5595 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2200 _____ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun _____
 TYPE OF WELL: OIL _____ GAS _____ COMB. STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16 .	20	20	
13 - 10			
9 - 5/8			
8 - 5/8	700	700	50 To Surface
7			
5 1/2			
4 1/2		2200	100 sx
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 640 _____
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title