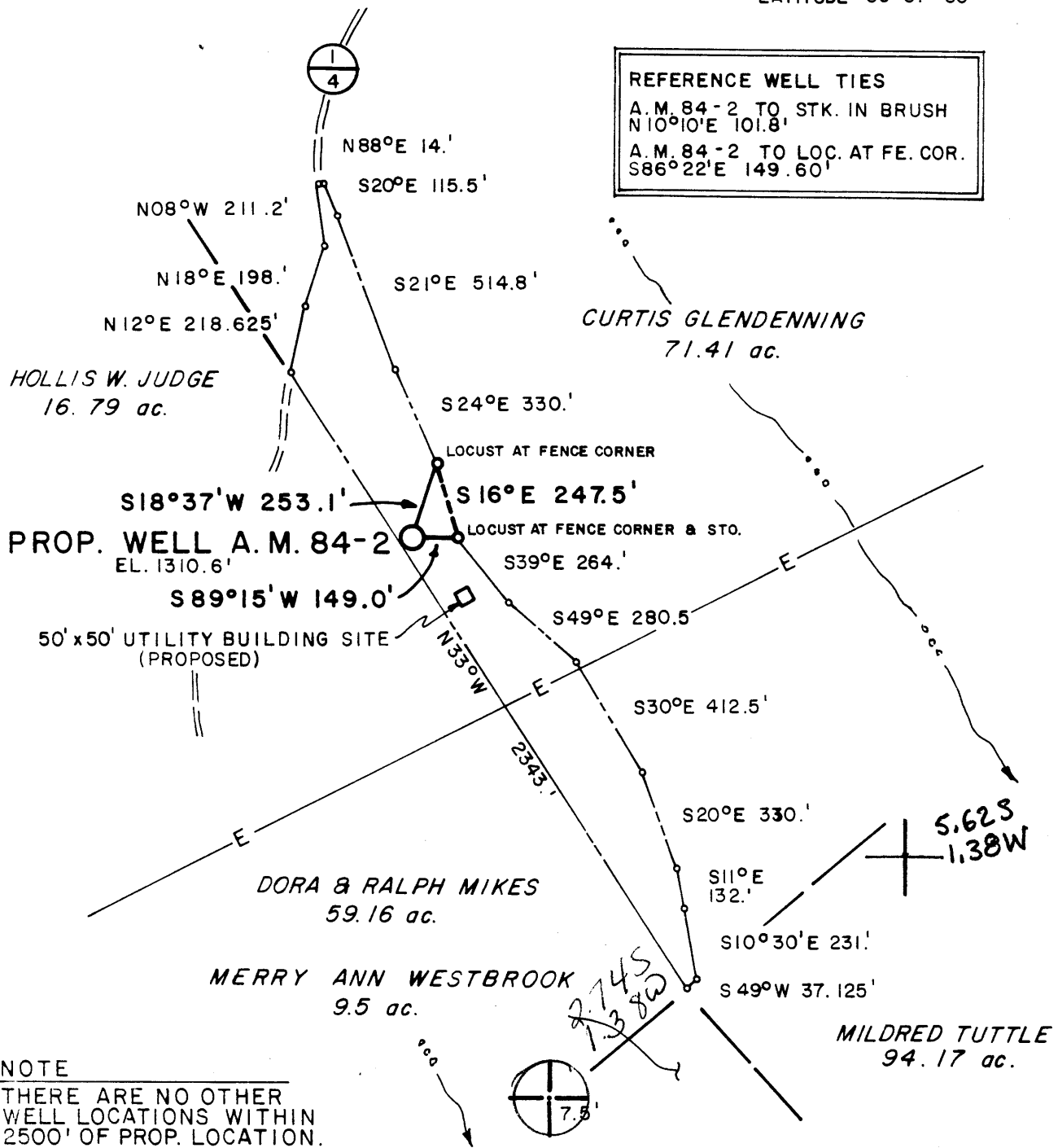


7,250' 39 40

LATITUDE 39°37'30"

LONGITUDE 80°55'00"  
14,400'

**REFERENCE WELL TIES**  
 A. M. 84-2 TO STK. IN BRUSH  
 N10°10'E 101.8'  
 A. M. 84-2 TO LOC. AT FE. COR.  
 S86°22'E 149.60'



**NOTE**  
 THERE ARE NO OTHER  
 WELL LOCATIONS WITHIN  
 2500' OF PROP. LOCATION.

FILE NO. MSES 84-436  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF  
 ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF  
 ELEVATION INT. OF RT. 1/4 &  
 DRIVE, 750' SW LOCATION, EL. 1189.'

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) John S. Bailey  
 R.P.E. \_\_\_\_\_ L.S. 652



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



DATE JULY 6, 19 84  
 OPERATOR'S WELL NO. A. M. 84-2  
 API WELL NO.  
47 - 095 - 1085  
 STATE COUNTY PERMIT

Department of Mines  
 Oil & Gas Division

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS", PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X)  
 LOCATION: ELEVATION 1310.6' WATER SHED BUCK RUN  
 DISTRICT LINCOLN 3 COUNTY TYLER  
 QUADRANGLE 528 PADEN CITY, W.VA. - OHIO New Martinsville 15' W C 4  
 SURFACE OWNER DORA & RALPH MIKES ACREAGE 13.14  
 OIL & GAS ROYALTY OWNER DORA & RALPH MIKES LEASE ACREAGE 13.14  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X 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 FIFTH SAND/GORDON ESTIMATED DEPTH 4400'  
 WELL OPERATOR APPLIED MECHANICS CORP. DESIGNATED AGENT C. L. STOUT  
 ADDRESS RT. 1, BOX 41-J 053 ADDRESS RT. 1, BOX 41-J  
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330  
6-6 Willow Fork (29)

*Corrected Record*



IV-35  
(Rev 8-8)

**RECEIVED**  
MAY 3 1985

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

**State of West Virginia  
Department of Mines  
Oil and Gas Division**

Date September 20, 1984  
Operator's  
Well No. AM 84-2  
Farm Ralph & Dora Mikes  
API No. 47 - 095 - 1085

**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 \_\_\_ / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow x /)  
LOCATION: Elevation: 1310 Watershed Buck Run  
District: Lincoln County Tyler Quadrangle Paden City 7.5

COMPANY Applied Mechanics Corporation  
ADDRESS Rt. 1, Box 41-J; Bridgeport, W.Va. 26330  
DESIGNATED AGENT Charles L. Stout  
ADDRESS Same as above  
SURFACE OWNER Ralph & Dora Mikes  
ADDRESS \_\_\_\_\_  
MINERAL RIGHTS OWNER \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK \_\_\_\_\_  
Robert Lowther ADDRESS Middlebourne, W.Va.  
PERMIT ISSUED July 11, 1984  
DRILLING COMMENCED August 6, 1984  
DRILLING COMPLETED August 10, 1984  
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 Cond.			
<del>13-11 3/4</del> <del>13-10 1/2</del>	38	38	
9 5/8			
8 5/8	1423	1423	350
7			
5 1/2			
4 1/2	3219	3219	270
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 3120 feet  
Depth of completed well 3316 feet Rotary x / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 35 feet; Salt No feet  
Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation (Co-mingled) Gordon Pay zone depth 3094-3126 feet  
Gas: Initial open flow Show Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow (830) Mcf/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 1250 psig (surface measurement) after 7 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Weir Pay zone depth 2513-2605 feet  
Gas: Initial open flow Show Mcf/d Oil: Initial open flow 0 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

*rec'd 8/6/85  
(Continue on reverse side)  
orig. in batch 4/8/85 w/ wrong*

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

Gordon---Perforated, 3099 to 3102---4 holes  
3110 to 3106---7 holes

Fractured, using 590 bbls H<sub>2</sub>O, 500 gallons acid, 40,000# 20-40 sand, and 90,000 S.C.F. N<sub>2</sub>.

Weir-----Perforated, 2520 to 2526---7 holes  
2581 to 2601---7 holes

Fractured, using, 675 bbls H<sub>2</sub>O, 500 gallons acid, 40,000# 20-40 sand, and 90,000 S.C.F. N<sub>2</sub>.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Sand & clay		soft	0	120	Fresh water 35'
Sand & shale	brown	soft	120	150	
Red shale		soft	150	160	
SHale & sand	gray	soft	160	560	
Coal		soft	560	566	
Sand & shale	gray	soft	566	910	
Coal		soft	910	915	
Shale	gray	soft	915	920	
Lime & sand	brown	hard	920	930	
Sand & shale	gray	soft	930	1980	
Sand	brown	hard	1980	2007	Maxton Sand
Shale	gray	soft	2007	2047	
Lime	brown	hard	2047	2112	Big Lime
Sand & shale	gray	soft	2112	2138	
Sand	white	hard	2138	2301	Big Injun
Sand & shale	gray	soft	2301	2500	
Sand	gray	hard	2500	2606	Weir
Shale	gray	soft	2606	3096	
Shale	gray	soft	3096	3126	Gordon
Shale	gray	soft	3126	3316 T.D.	

(Attach separate sheets as necessary)

Applied Mechanics Corporation

Well Operator

By:

*Charles P. Stout*

Date:

5-30-85

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."

