

A. Walker 8 ac.

B. Loft 5 ac.

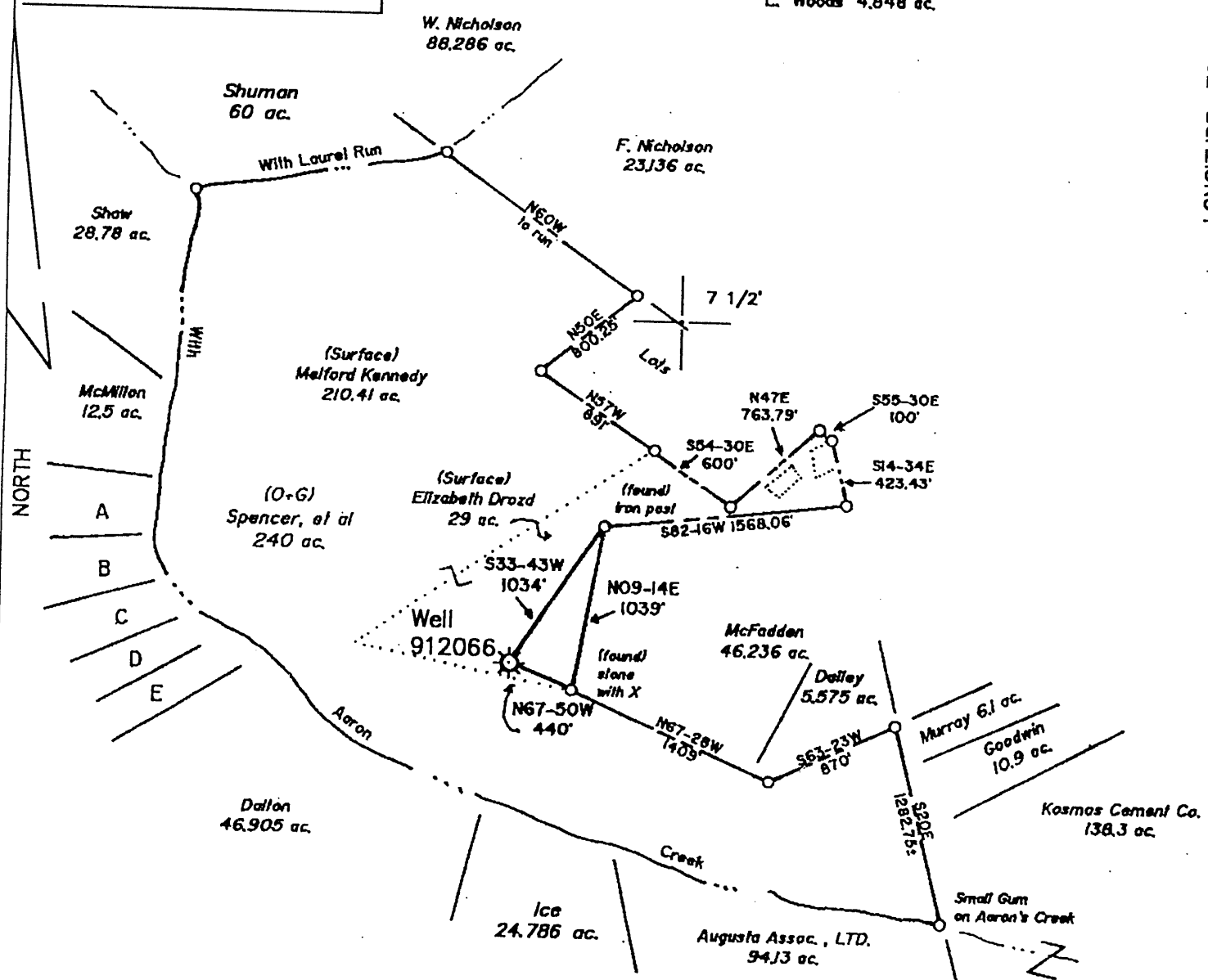
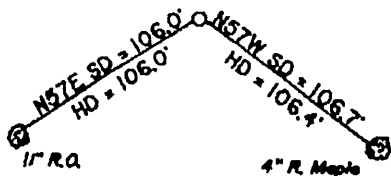
C. Woods 5.027 ac.

D. Woods 4.854 ac.

E. Woods 4.848 ac.

REFERENCES

Location

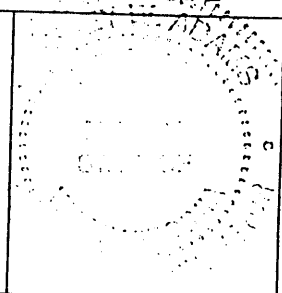


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 1,000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Road Int. 3900' SE of location: Elev. 1978'

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 ENERGY.

(SIGNED) [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 791



STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS

DATE March 7, 2003  
 OPERATOR'S WELL NO. 912066  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1795' WATER SHED Aaron Creek

47-061-01254-W  
 STATE COUNTY PERMIT

DISTRICT Morgan COUNTY Monongalia  
 QUADRANGLE Morgantown South 7 1/2'

SURFACE OWNER Elizabeth S. Drozd  
 OIL & GAS ROYALTY OWNER William A. Spencer, et al. ACREAGE 30 ac.  
 LEASE ACREAGE 240 ac.  
 LEASE NO. 7005027

PROPOSED WORK: DRILL \_\_\_\_\_ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION X PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

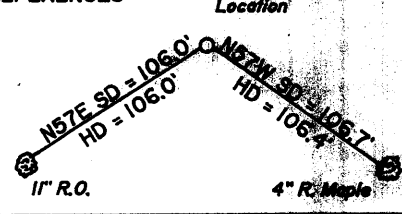
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Speechley ESTIMATED DEPTH 2,650

WELL OPERATOR Columbia Natural Resources, Inc. DESIGNATED AGENT R. Mark Hackett  
 ADDRESS P.O. Box 6070, Charleston, WV 25362-0070 ADDRESS P.O. Box 6070, Charleston, WV 25362-0070

COUNTY NAME MONO  
 PERMIT 1254 W

DEEP WELL (S. BURNS CHAPEL 313)

REFERENCES



*June*  
*9/6/96*

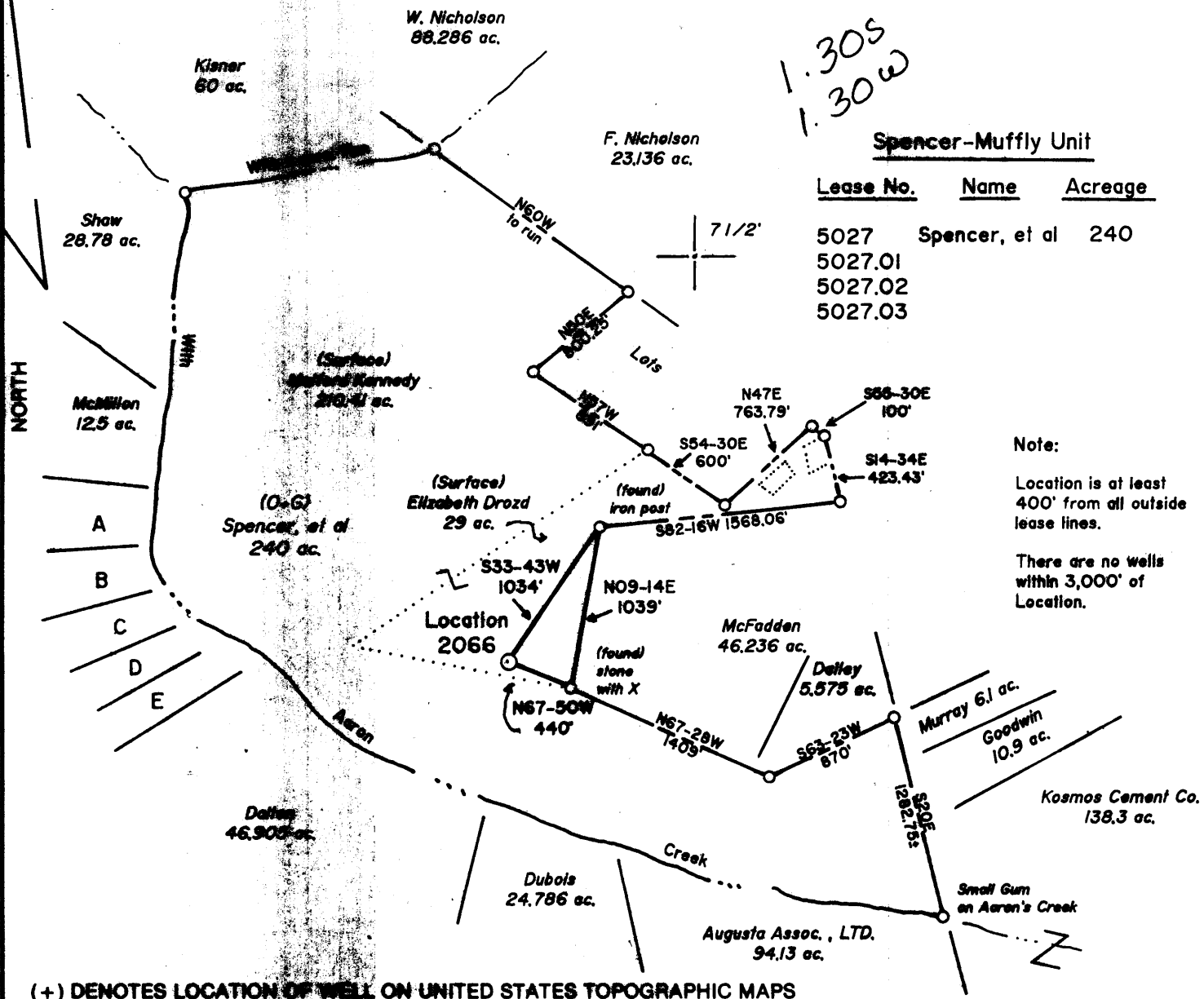
- A. Walker 8 ac.
- B. Loft 5 ac.
- C. Woods 5.027 ac.
- D. Woods 4.854 ac.
- E. Woods 4.848 ac.

*1.305*  
*1.30W*

Spencer-Muffly Unit

Lease No.	Name	Acreage
5027	Spencer, et al	240
5027.01		
5027.02		
5027.03		

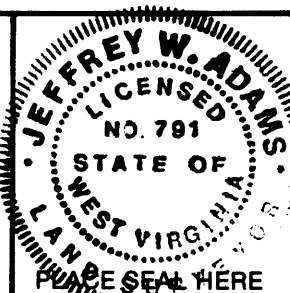
Note:  
 Location is at least 400' from all outside lease lines.  
 There are no wells within 3,000' of Location.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Road Int. 3900' SE of Location: Elev. 1978'

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 ENERGY.  
 (SIGNED) Jeffrey W. Adams  
 R.P.E. \_\_\_\_\_ L.L.S. 791



STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS



DATE August 12, 19 96  
 OPERATOR'S WELL NO. 2066  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_\_\_ DEEP X SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1795 WATER SHED Aaron Creek  
 DISTRICT Morgan COUNTY Monongalia  
 QUADRANGLE Morgantown South 7 1/2'  
 SURFACE OWNER Elizabeth S. Drozd ACREAGE 30  
 OIL & GAS ROYALTY OWNER William A. Spencer, et al LEASE ACREAGE 240  
 LEASE NO. 5027

PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Onitony ESTIMATED DEPTH 8500'  
 WELL OPERATOR Alamco Inc. DESIGNATED AGENT Marty Perri  
 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

DEEP WELL

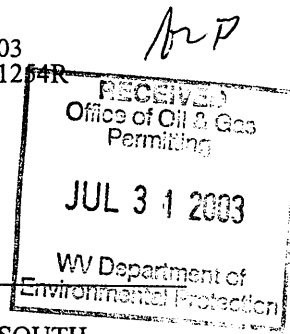
FORM WW-6

LONGITUDE 79-52-30 W

COUNTY NAME

PERMIT

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas



Well Operator's Report of Well Work

Farm name: DROZD, ELIZABETH S. Operator Well No.: 912066

LOCATION: Elevation: 1795.00 Quadrange: MORGANTOWN SOUTH

District: MORGAN County: Monongalia  
Latitude: 6800 Feet South of 39 Deg. 35 Min. 00 Sec.  
Longitude 6925 Feet West of 79 Deg. 52 Min. 30 Sec.

Company: COLUMBIA NATURAL RESOURCES

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: Rt. 1, Box 107-10	11-3/4	339	339	CTS
Buckhannon, WV 26201	8-5/8	2926	2926	CTS
Agent: Carl F. Starr	4-1/2	7715	7715	175 SXS
Inspector: Randal Mick				
Date Permit Issued: 05-14-2003				
Date Well Work Commenced: 05/28/2003				
Date Well Work Completed: 06/05/2003				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): 7737				
Fresh Water depths (ft): 38				
Salt water depths (ft): none				
Is coal being mined in area (Y/N)? N				
Coal Depths (ft): 98-101				

OPEN FLOW DATA

Producing formation 2<sup>ND</sup> Speechley Pay zone depth (ft) 2614-2624  
 Gas: Initial open flow 61 MCF/d Oil: Initial open flow N/A Bbl/d  
 \*\* Final open flow 103 MCF/d Final open flow N/A Bbl/d  
 Time of open flow between initial and final tests 72 Hours  
 \*\* Static rock Pressure 600 psig (surface pressure) after 72 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
 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  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

\*\* Comingled

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: COLUMBIA NATURAL RESOURCES, INC.  
By: Carl Starr  
Date: Region Manager  
7/28/03

SEP 05 2003

MONO 1254 R



**RECEIVED**  
WV Division of  
Environmental Protection  
OCT 30 1996

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Permitting  
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: DROZD, ELIZABETH S. Operator Well No.: 2066

LOCATION: Elevation: 1,795.00 Quadrangle: MORGANTOWN SOUTH

District: MORGAN County: MONONGALIA  
Latitude: 6800 Feet South of 39 Deg. 35Min. 0 Sec.  
Longitude: 6925 Feet West of 79 Deg. 52 Min. 30 Sec.

Company: ALAMCO, INC.  
P. O. BOX 1740  
CLARKSBURG, WV 26302-1740

Agent: MARTY L. PERRI

Inspector: RANDAL MICK  
Permit Issued: 09/06/96  
Well work Commenced: 09/15/96  
Well work Completed: 10/09/96  
Verbal Plugging  
Permission granted on:  
Rotary  Cable \_\_\_\_\_ Rig  
Total Depth (feet) 7737  
Fresh water depths (ft) 38'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 98' - 101'

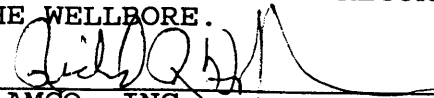
Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	40'	-	N/A
11-3/4"	339'	339'	Cmt. to Surface 150 Sks.
8-5/8"	2926'	2926'	Cmt. to Surface 850 Sks.
4-1/2"	7715'	7715'	175 Sks.

OPEN FLOW DATA

Producing formation Huntersville Chert Pay zone depth (ft) 7402'-7541'  
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 3800 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 2900 psig (surface pressure) after 72 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
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  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

  
For: ALAMCO, INC.  
By: Richard R. Hoffman  
Date: October 25, 1996

Formations: 0-538' from Drillers Log Book; 538' to TD from Gamma Ray Log

<u>Top</u>	<u>Bottom</u>	<u>Type</u>	<u>Water, Coal, Gas</u>	
0	15	Fill	<u>Water:</u> 1/4 @ 38'	
15	30	SD		
30	98	SD & SH	<u>Coal:</u> 98' - 101'	
98	101	Coal		
101	358	SH	<u>Oil:</u> None	
358	538	SD & SH		
538	552	Little Lime	<u>Gas Checks:</u>	
552	589	SH	625'	N/S
589	654	Big Lime	790'	N/S
654	663	Keener	1443'	N/S
663	706	SH	1814'	10 MCFD
706	842	Big Injun	1908'	10 MCFD
842	910	SH	1938'	10 MCFD
910	1022	Weir	2647'	61 MCFD
1022	1140	SD & SH	2771'	45 MCFD
1140	1200	Gantz/50'	2946'	30 MCFD
1200	1493	SD & SH	3109'	N/S
1493	1497	Gordon	4595'	N/S
1497	1744	SD & SH	4620'	Odor
1744	1756	4th Sand	4941'	Odor
1756	1787	SH	7393'	33 MCFD
1787	1792	5th Sand	7486'	15 MCFD
1792	1842	SD & SH	7549'	15 MCFD
1842	1913	Bayard	7737'	Odor
1913	2514	SH		
2514	2539	Speechley		
2539	2613	SH		
2613	2628	2nd Spchley	<u>Treatment and Perforations:</u>	
2628	2717	SH	Stimulation: 10/09/96	
2717	2729	Balltown	Perforations: (7402 - 7541')	
2729	6988	SH	29 Holes	
6988	7090	Tully	Frac: Huntersville Chert	
7090	7284	SH	WF-30# gel system with	
7284	7386	Marcellus	15,000# 80/100 Sand and 60,000# 20/40	
7386	7399	Onondaga	Sand w/ 5% HCl throughout	
7399	7549	Hntrsvl Chrt		
7549	7587	Needmore		
7587	7737	Oriskany		
	7737	Drlg. T. D.		
	7757	Log T. D.		