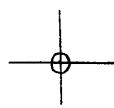


LATITUDE 39° 55' 00"

9



08, 44, 08 " LONGITUDE

7'5 OGIS topo location

7.5' loc 0.955 15' loc _____
 0.32 (calc.) _____

Company _____

Farm _____

Quad BUSINESSBURG

County MARSHALL

District CLAY

WELL LOCATION MAP

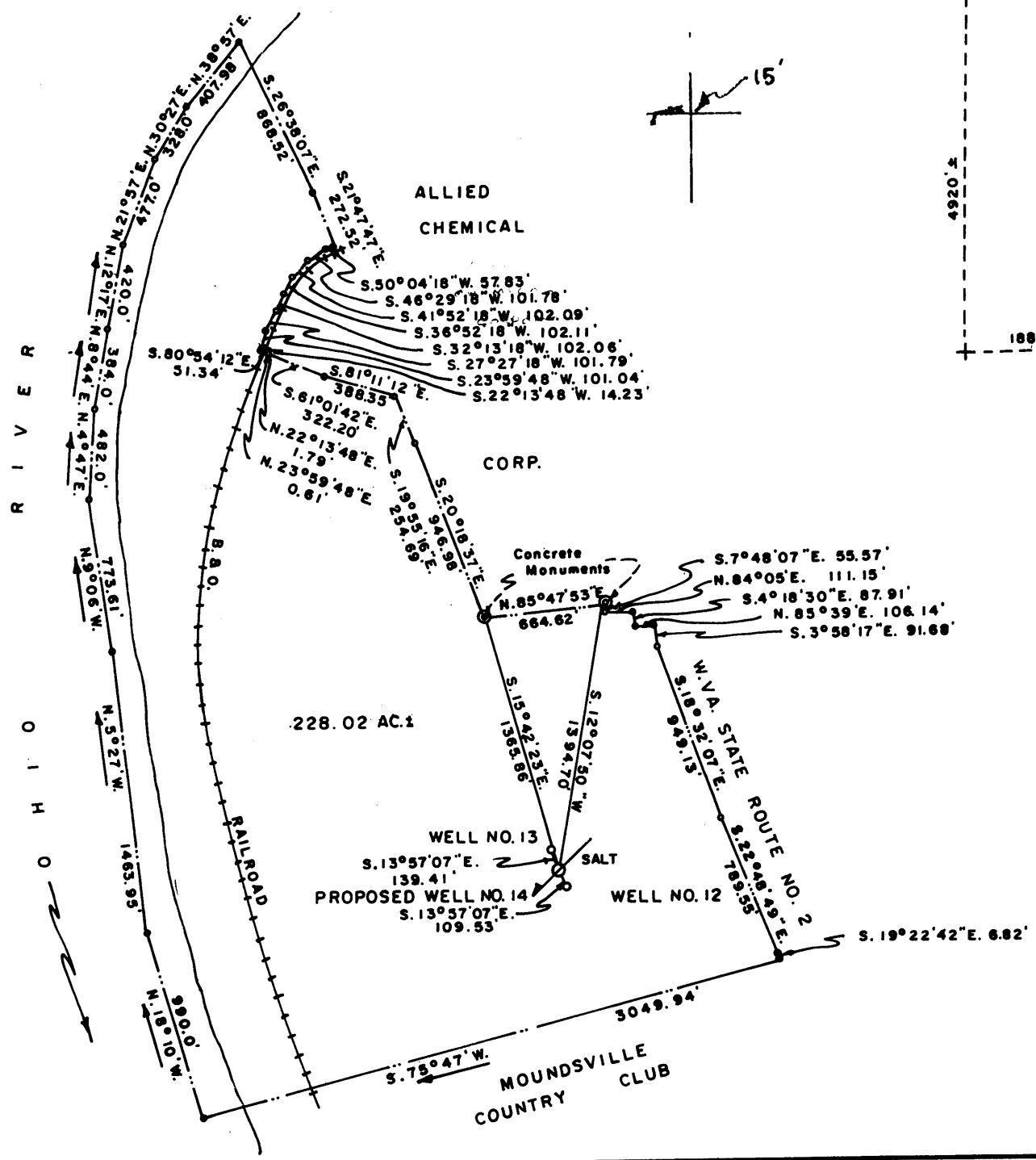
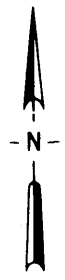
File No. 051-702

099P

M.F. 9/22/82

LATITUDE 39° 55' 00"

LONGITUDE 80° 47' 30"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/2400
 PROVEN SOURCE OF ELEVATION SQUARE - S.E. CORNER
 POST FOOTER ELEC. SUBSTATION ELEV. 736.73

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 A. Schellhaas*
 R.P.E. # 5214 L.L.S. # 57

PLACE SEAL HERE

WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD
 NITRO, WEST VIRGINIA 25143-2506

DATE _____, 19____
 OPERATORS WELL NO. 14
 API WELL NO. 47-051-0702-P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

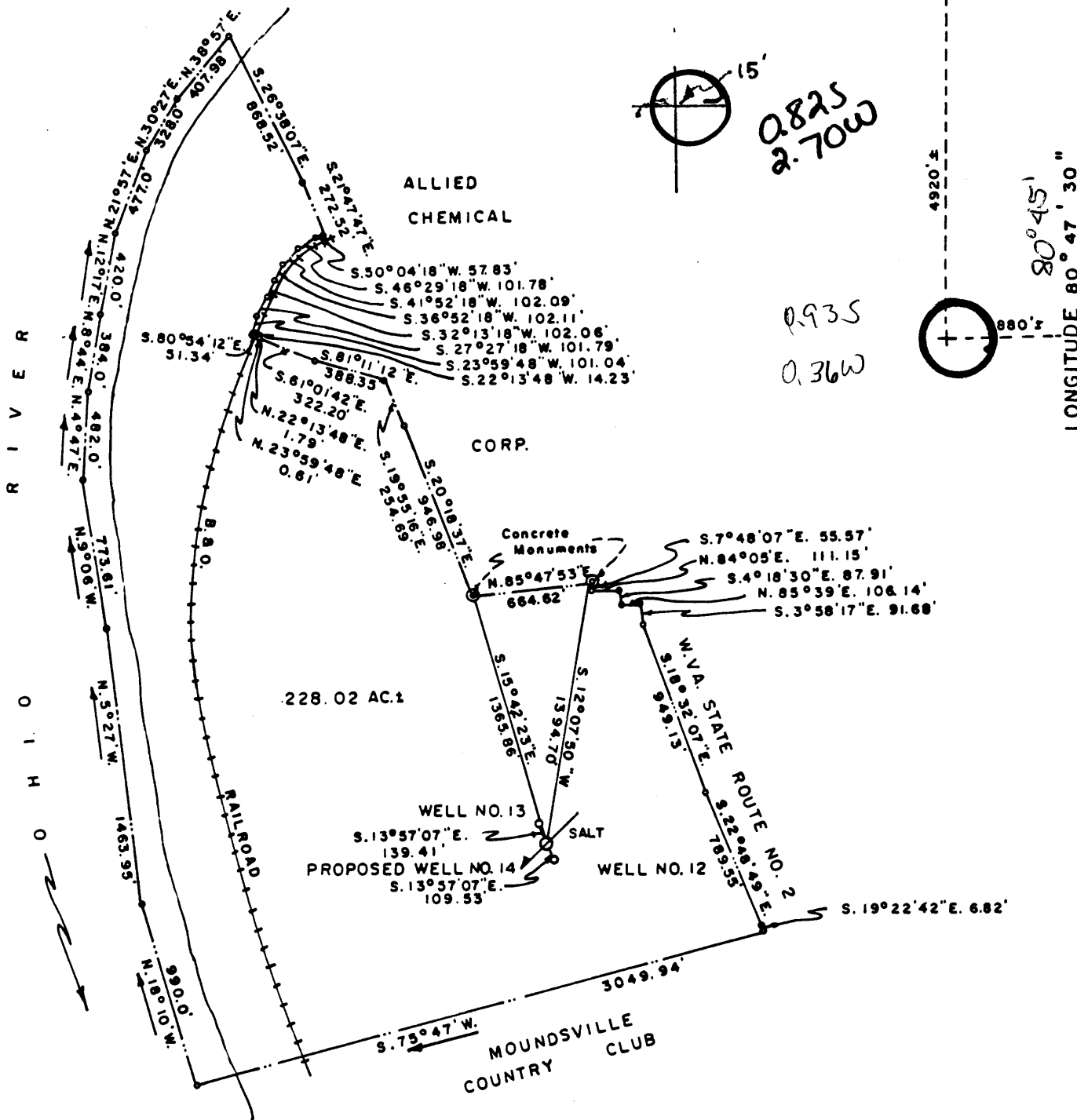
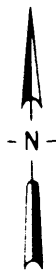
WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___ SALT X
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 704 WATERSHED OHIO RIVER
 DISTRICT CLAY COUNTY MARSHALL
 QUADRANGLE BUSINESSBURG-7.5

SURFACE OWNER L.C.P. CHEMICALS INC. - WEST VIRGINIA ACREAGE 228.02
 OIL & GAS ROYALTY OWNER N.A. LEASE ACREAGE N.A.
 COAL OWNER L.C.P. CHEMICALS INC. OTHER MINERALS & RIGHTS L.C.P. CHEMICALS INC. 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 ___ CLEANOUT AND REPLUG ___
 TARGET FORMATION SALINA ESTIMATED DEPTH 6500'

JAN 30 1998

SIGNED Don P. DeNoon
 ADDRESS Same Address



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/2400
 PROVEN SOURCE OF ELEVATION SQUARE - S.E. CORNER
 POST FOOTER ELEC. SUBSTATION
 ELEV. 736.73

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 E. Schellhaas
 R.P.E. # 5214 L.L.S. # 57

PLACE SEAL HERE

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

DATE _____, 19____
 OPERATORS WELL NO. 14
 API WELL NO. 47-051-0702
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___ SALT X
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___

LOCATION: ELEVATION 704 WATERSHED OHIO RIVER
 DISTRICT CLAY COUNTY MARSHALL

QUADRANGLE BUSINESSBURG-75 Clayton 15' EC Clarington
 SURFACE OWNER L.C.P. CHEMICALS INC. - WEST VIRGINIA ACREAGE 228.02
 OIL & GAS ROYALTY OWNER N.A. LEASE ACREAGE N.A.

COAL OWNER L.C.P. CHEMICALS INC. OTHER MINERALS & RIGHTS L.C.P. CHEMICALS INC. 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 ___ CLEANOUT AND REPLUG Brine Well 9-9 deep well unnamed (o) SEP 28 1982

TARGET FORMATION SALINA ESTIMATED DEPTH 6500'
 WELL OPERATOR LCP CHEMICALS - W.VA. INC. DESIGNATED AGENT A.R. MORRIS, PLANT MANAGER
 ADDRESS P.O. DRAWER "J" - STATE ROUTE 2 ADDRESS P.O. DRAWER "J" - STATE ROUTE 2



IV-35
(Rev 8-81)

Date March 7, 1983
Operator's Well No. No. 14
Farm LCP Chemicals - WVa. Inc.
API No. 47 - 051 - 0702

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 704.51 Watershed Ohio River
District: Clay County Marshall Quadrangle Businessburg, OH

COMPANY LCP Chemicals - W. Va. Inc.
ADDRESS P.O. Drawer J, Moundsville, WV 26041
DESIGNATED AGENT A. R. Morris, Plant Manager
ADDRESS P.O. Drawer J, Moundsville, WV 26041
SURFACE OWNER Same
ADDRESS _____
MINERAL RIGHTS OWNER Same
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther
ADDRESS Middlebourne, WV 26149
PERMIT ISSUED June 29, 1982
DRILLING COMMENCED Nov. 1, 1982
DRILLING COMPLETED Jan. 13, 1983
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON N/A

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	71'	71'	118-Suf.
9 5/8	1583'	1583'	625-Suf.
8 5/8			
7	6671'	6671'	274 cu. ft.
5 1/2			
4 1/2	1777'	1777'	Tubing
3	4898'	4898'	Tubing
2			
Liners used			

GEOLOGICAL TARGET FORMATION Salina Depth 6581 feet
Depth of completed well 6703 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 105 & 920 feet; Salt 6581 feet
Coal seam depths: 82'-84' and 100-105' Is coal being mined in the area? Yes
Not under LCP

OPEN FLOW DATA

Producing formation Salina Pay zone depth 6581 feet
Gas: Initial open flow None Mcf/d Oil: Initial open flow None Bbl/d
SALT Final open flow None Mcf/d Final open flow None Bbl/d
Time of open flow between initial and final tests - hours
Static rock pressure -0- psig (surface measurement) after -0- hours shut in
(If applicable due to multiple completion--)
Second producing formation N/A Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ 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

(Continue on reverse side)

MARK. 0702

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

Well completed with 7" casing installed and cemented from bottom of upper salt section 6677' up to bottom of Marcellus shale at 5725' (measured depth).
Installed 4½" and 3½" OD center tube suspended from well head to 6676' for water recirculation to produce and/or develop the well as a brine production well.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Gravel & Sand			0	73	
Shale			73	82	
Coal			82	84	
Shale-Lime			84	100	Water 105' - Est. 1" stream
Coal			100	105	
Shale-Lime-Med			105	250	
Shale-Red Rock			250	535	
Soft Shale			535	1170	Water 920' - Estimated additional 1" stream
Lime - Med			1170	1285	
Sand & Shale			1285	1305	
White Sand			1305	1390	
Lime & Slate			1390	1640	9-5/8" casing set 1583'
Shale & Slate			1640	5621	
Marcellus Shale - Soft			5621	5725	
Lime & Chert Hard			5725	5960	
Oriskany Sand - Hard			5960	6050	
Lime & Shale - Med. to Hard			6050	6581	
Salt - Soft			6581	6680	7' casing 6671'
Anhydrite - Med.			6680	6691	
Salt - Soft <i>Salina @ T.D.</i>			6691	6703	T.D.

(Attach separate sheets as necessary)

LCP CHEMICALS - WEST VIRGINIA, INC.

Well Operator

By: *A.R. Morris* A. R. Morris, Plant Manager

Date: March 7, 1983

Prepared By: Robert C. Sellers *R.C. Sellers 3/7/83*

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."



Well No. 14
Farm LCP Chemicals - W. Va. Inc.
API # 47 - 051 - 0702
Date April 30, 1982

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas ___ / Brine X /

(If "Gas", Production - / Underground storage - / Deep - / Shallow - /

LOCATION: Elevation: 704.51 Watershed: Ohio River
District: Clay County: Marshall Quadrangle: Businessburg, OH

WELL OPERATOR LCP Chemicals - W. Va. Inc.
Address P. O. Drawer "J"
Moundsville, WV 26041

DESIGNATED AGENT A. R. Morris, Plant Manager
Address P. O. Drawer "J"
Moundsville, WV 26041

OIL AND GAS ROYALTY OWNER Same
Address _____
Acreage 227.86

COAL OPERATOR None
Address _____

SURFACE OWNER Same
Address _____
Acreage 227.86

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME LCP Chemicals - W. Va. Inc.
Address P. O. Drawer "J"
Moundsville, WV 26041

FIELD SALE (IF MADE) TO:
NAME -----
Address _____

NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Robert Lowther
Address General Delivery
Middlebourne, WV 26149
Telephone (304) 758-4764

COAL LESSEE WITH DECLARATION ON RECORD:
NAME None
Address _____

RECEIVED

JUN 29 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for ~~oil or gas~~ ^{brine} purposes at the above location under a deed X / lease ___ / other contract ___ / dated 4/30, 1980, to the undersigned well operator from Allied Chemical Corporation.

(If said deed, lease, or other contract has been recorded:)

Recorded on May 5, 1980, in the office of the Clerk of County Commission of Marshall County, West Virginia, in 486 Book at page 437. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___ / Plug off old formation ___ / Perforate new formation ___ / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

LCP CHEMICALS - WEST VIRGINIA, INC.
Well Operator
By: A. R. Morris A. R. Morris
Its: _____ Plant Manager

BOND DRILL

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S. W. Jack Drilling Co. (Tentatively)

Address P. O. Box 697

Indiana, PA 15701

GEOLOGICAL TARGET FORMATION Salina

Estimated depth of completed well 6650 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 1200 feet; salt, 6470 feet.
Approximate coal seam depths: 150'-(3 Ft.), 450' (1 ft.), 900' (1 ft.)
Is coal being mined in this area: Yes X / No /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS	
	Size	Grade	Weight per ft	New	Used	For Drill- ling			Left in Well
Conductor	13 3/8	H-40	48	X		90	90	150 SX	Kinds Brown Hanger
Fresh water	9 5/8	H-40	32.3	X		1600	1600	500 SX(SUF)	Packer
Coal	SAME AS FRESH WATER ABOVE								Sizes 5 1/2 x 26# 7"
Intermed.	SAME AS FRESH WATER ABOVE								
Production	7"	N-80	26	X			6600	200 SX	Depths set 6150
xxxxxx									
Liners	5 1/2"	J-55	15.5	X			450'	No	Perforations: No Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 5-23-83

BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

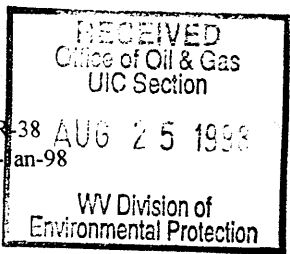
W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: , 19 .

By:

Its:



WR-38
26-Jan-98

API # 47- 51-00702-P

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: HANLIN CHEMICALS Operator Well No.: 14

LOCATION: Elevation: 704.51 Quadrangle: BUSINESSBURG
District: CLAY County: MARSHALL
Latitude: 4920 Feet South of 39 Deg. 55 Min. 0 Sec.
Longitude: 1880 Feet West of 80 Deg. 47 Min. 30 Sec.

Well Type: OIL _____ GAS _____ OTHER: BRINE

Company: Allied Signal Inc.
PO Box J
Moundsville, WV 26041

Coal Operator _____
or Owner _____

Agent: Don P. DeNoon

Coal Operator _____
or Owner _____

Permit Issued: 01/26/98

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of _____ ss:

Union Drilling and James R. Harry, Consultant being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named operator, and participated in the work of plugging and filling the above well, and Michael W. Lewis Oil and Gas Inspector representing the Director, say that said work was commenced on the 28 day of January, 1998, and that the well was plugged and filled in the following manner:

Type	From	To	Pipe Removed	Left
Class A w/Latex	5.388'	5.900'	13(3/8)" 0'	78'
6% Gel	5.149'	5.388'	9(5/8)" 0'	1.600'
Class A w/Latex	4.780'	5.149'	7" 5.260'	1.443'
6% Gel	2.861'	4.780'		
Class A w/Latex	1.649'	2.861'		
Fresh Gel (6%)	0'	1.649'		
Bridge Plug	5.950'			

Description of monument: 9(5/8) welded pipe w/2" vent (5' length)
and that the work of plugging and filling said well was completed on the 1 day of July, 1998.

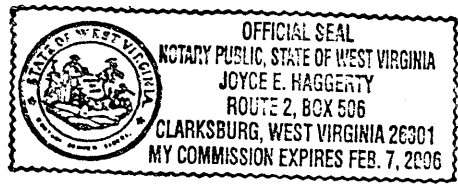
and further deponents saith not.

with G. Jacobs Union Drilling BOTTOM PLUG

Sworn and subscribe before me this 6 day of AUGUST, 1998
My commission expires: 2-7-2000

Joyce E. Haggerty
Notary Public

Oil and Gas Inspector: Michael W. Lewis



AUG 31 1998

MARS 0702-P