

New Location
 Drill Deeper
 Abandonment 7-26-72

Company FOOD MACHINERY & CHEMICAL CORP
 Address 101 E 42ND ST, NEW YORK 17, NY.
 Farm EARL & ROSALENE WELLS
 Tract _____ Acres 358 Lease No. _____
 Well (Farm) No. BEN. No 3 Serial No. _____
 Elevation (Spirit Level) 647.0
 Quadrangle ST MARYS NC
 County TYLER District UNION
 Engineer C. Howard Ray
 Engineer's Registration No. 2572
 File No. _____ Drawing No. _____
 Date 7/25/50 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. TYL-270-P#3

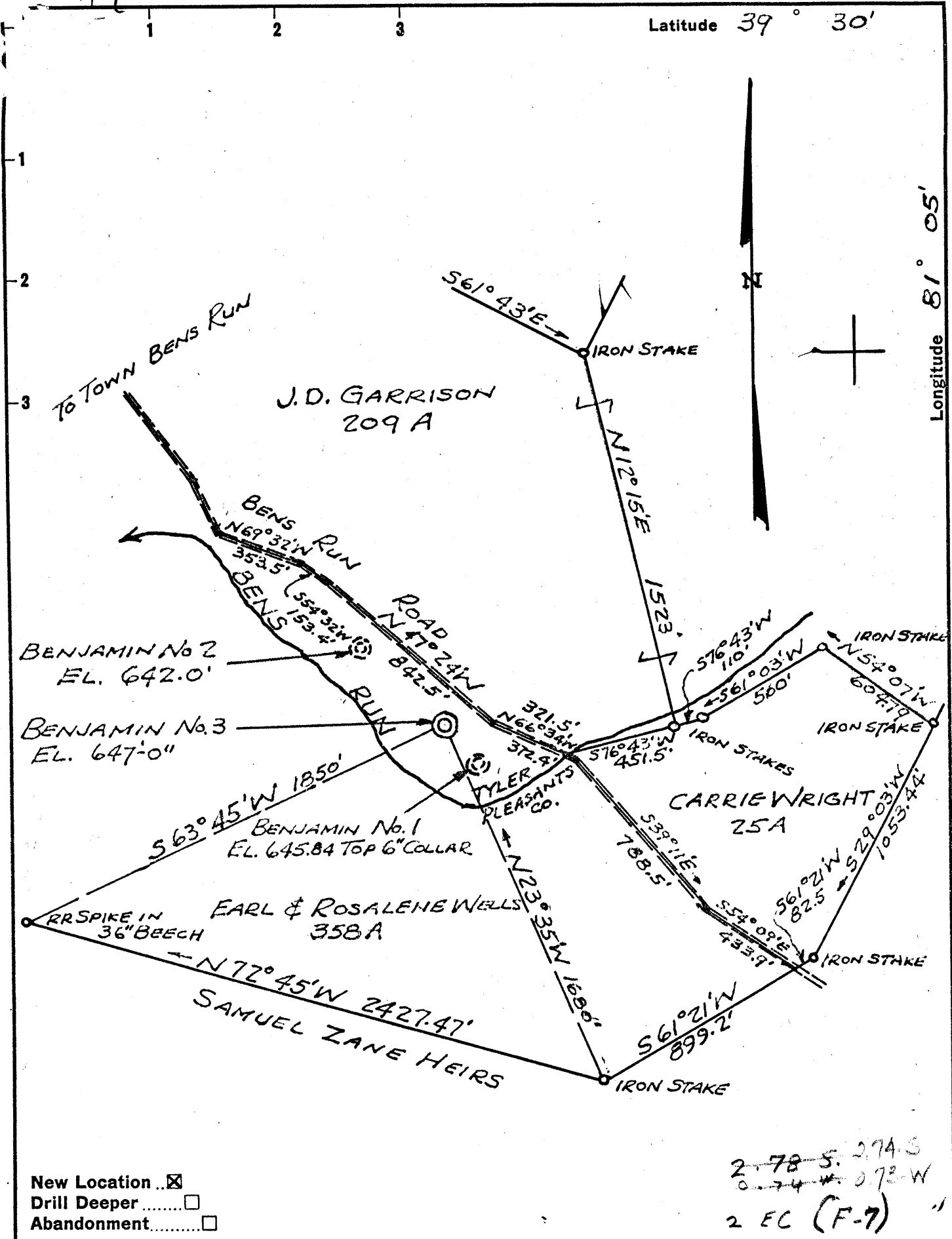
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 -- Denotes one inch spaces on border line of original tracing.

MLF

P

Latitude 39° 30'

Longitude 81° 05'



~~2.78 S. 274.5~~
~~0.74 W. 0.73 W~~
 2 EC (F-7)

New Location
 Drill Deeper
 Abandonment

Company FOOD MACHINERY & CHEMICAL GRP.
 Address 161 E 42ND ST, NEW YORK 17, N.Y.
 Farm EARL & ROSALENE WELLS
 Tract _____ Acres 358 Lease No. _____
 Well (Farm) No. BEN. No. 3 Serial No. _____
 Elevation (Spirit Level) 647.0
 Quadrangle ST. MARYS NC
 County TYLER District UNION
 Engineer C. Hendley
 Engineer's Registration No. 2572
 File No. _____ Drawing No. _____
 Date 9/25/58 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. TYL-270-#3

+ 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.

salt well

9-0 28

Deep Well



Deep Well

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 14

W.Va.-Ohio
Quadrangle St. Marys

WELL RECORD

Salt
~~COAL~~ Well (KIND)

Permit No. TYL-270

Company Food Machinery & Chemical Corporation
Address 161 East 42nd St., New York 17, New York
Farm Earl & Rosalene Wells Acres 358

Location (waters)
Well No. Benjamin No. 3 Elev. 649.6
District Union County Tyler

The surface of tract is owned in fee by Food Machinery & Chemical Corporation Address New York
~~Coal~~ rights are owned by Food Machinery and Chemical Corporation Address New York

Drilling commenced 10/3/58
Drilling completed 12/3/58
Date Shot _____ From _____ To _____
With _____

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

WELL FRACTURED _____

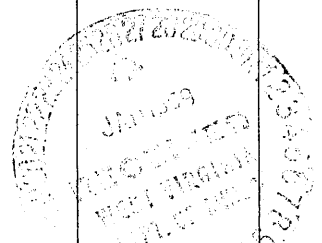
RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<u>ALL FORMATION DATA TAKEN FROM DRILLER'S RECORDS</u>							
			0	132			No Data
SHALE	Greenish grey	Soft	132	162			
LIMESTONE							
SANDSTONE	Grey	Med. hard	162	177			
SHALE			177	207			
SHALE	Grey	Soft	207	437			
LIMESTONE							
SANDSTONE			437	562			
SHALE		Soft	562	592			
SANDY SHALE		Soft	592	617			
SANDSTONE		Soft	617	627			
LIMESTONE		Soft	627	639			
SANDSTONE		Soft	639	682			
LIMESTONE		Soft	682	732			

(over)



Formation	Color	Hard or Soft	Top ¹⁴	Bottom	Oil, Gas or Water	Depth Found	Remarks
SANDSTONE		Soft	732	808			
✓ COAL	Black	Soft	808	818			
SANDSTONE	Grey	Med. hard	818	857			
SANDSTONE SHALE		Soft	857	962			
SANDSTONE	Grey to white	Soft	962	1168			
SHALE		Soft	1168	1177			
SANDSTONE SHALE		Soft	1177	1212			
SANDSTONE LIMESTONE SHALE	Grey	Soft	1212	1260			
SANDSTONE	Grey	Soft	1260	1283			
SANDSTONE ✓ COAL	Grey to black	Med. hard	1283	1292			
SANDSTONE	Vari-colored	Soft	1292	1303			
LIMESTONE	Grey	Soft	1303	1325			
SANDSTONE LIMESTONE	Grey	Soft	1325	1372			
SANDSTONE	White to grey	Soft	1372	1422			
SANDSTONE LIMESTONE	Grey	Soft	1422	1557			
SANDSTONE	Light grey	Soft	1557	1590			
SHALE SANDSTONE	White to grey	Soft	1590	1627			
SANDSTONE	Grey to brown	Soft	1627	1797			
SANDSTONE SHALE	Grey	Soft	1797	1987			
SANDSTONE		Med. hard	1987	2307			
SHALE	Grey	Soft	2307	2447			
SANDSTONE SHALE	Grey to dk. grey	Soft	2447	3077			
SHALE	Grey	Soft	3077	3142			
SANDSTONE SHALE	Grey	Med. hard sand	3142	3347			
SANDSTONE	Grey	Soft	3347	3462			

Date _____, 19____

APPROVED _____, Owner

By _____
(Title)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
LIMESTONE SHALE	Grey	Soft	3462	3482			
SANDSTONE SHALE	Grey	Soft	3482	3547			
LIMESTONE	Grey	Soft	3547	3582			
SANDSTONE SHALE	Grey	Soft	3582	3667			
SANDSTONE LIMESTONE SHALE	Grey	Soft	3667	4142			
SHALE	Grey	Soft	4142	4162			
SANDSTONE SHALE	Grey	Soft	4162	4257			
LIMESTONE	Grey	Soft	4257	4287			
LIMESTONE SHALE	Grey	Soft	4287	4502			
SANDSTONE SHALE	Grey	Soft	4502	4627			
LIMESTONE SHALE	Grey, black brown	Soft	4627	5442			
LIMESTONE	Grey	Hard	5442	5616	} Onondagan		
LIMESTONE SAND	Grey	Hard	5616	5625			
SANDSTONE	Grey to white	Very hard	5625	5733	- Oriskany	108'	
SANDY LIMESTONE LIMESTONE	Grey	Hard	5733	5810	} Helderberg Group		
LIMESTONE CHERT	Grey	Very hard	5810	6021			
LIMESTONE CHERT SANDY LIMESTONE	Grey & brown	Hard	6021	6053			
LIMESTONE DOLOMITE	Grey to brown	Hard	6053	6151			
DOLOMITE ANHYDRITE LIMESTONE	Grey black brown	Hard	6151	6291			
SALT	Clear to dark	Soft	6291	6388			
DOLOMITE ANHYDRITE	Dark grey	Hard	6388	6436			

6436 Total Depth

Date: January 23, 1959

Approved: FOOD MACHINERY & CHEMICAL CORPORATION, OWNER

By: C. L. Hundley
C. L. Hundley, Project Engineer



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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, 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.

NONE	FMC Corporation
COAL OPERATOR OR OWNER	Industrial Chemical Division
ADDRESS	P.O.Box 8127, South Charleston, W. Va. 25303
COAL OPERATOR OR OWNER	October 9, 1973
ADDRESS	WELL AND LOCATION
LEASE OR PROPERTY OWNER	Union District
ADDRESS	Tyler County
	Well No. Benjamin No. 3-A
	Drilling Permit TYL 270
	Earl and Rosalene Wells Farm
STATE INSPECTOR SUPERVISING PLUGGING	Mr. Paul Garrett

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Tyler

SS:

Robert H. Hugg and *Wayne K. Hartwell*
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 *Fmc Corporation*, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the *3rd* day of *October*, 1973, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			CSG PULLED	CSG LEFT IN
FORMATION		SIZE & KIND		
4-1/2" - Depth 5861' to 3474'	Class A cement mixed with 10#/gal. brine, 230 cu.ft.	4-1/2" Baker Style "N", top set at 5861' depth	None	All
7" - 3474' to surface	Ditto			
Oriskany - 5695' to 5714'				
COAL SEAMS		DESCRIPTION OF MONUMENT		
(NAME)		7" casing - top approximately 3' above grade. Stainless steel plate on top with well number and operator name welded in bold letters.		
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the *5th* day of *October*, 1973.

And further deponents saith not.

Sworn to and subscribed before me this *5th* day of *October*, 1973.

My commission expires:

June 3, 1979

Virginia Williamson
Notary Public.

Permit No. *TYL-270-P*

THE ABOVE WELL DATA WAS FURNISHED BY CUSTOMER.

SIGNED *Robert H. Hugg*

OCT 29 1973

DIRECTIONAL DRILLING

DATE 1-29-63

Drilling Permit- TYL-270

COMPANY F.M.C. CORPORATION

WELL BENJAMIN #3

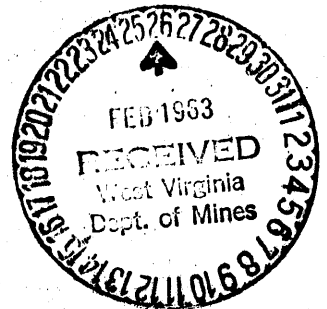
FIELD BENS RUN

LOCATION

COUNTY PLEASANTS

STATE WEST VIRGINIA

MAGNETIC DECLINATION



FMC CORPORATION

CHEMICAL DIVISIONS ADMINISTRATIVE OFFICES

833 THIRD AVENUE, NEW YORK 17, NEW YORK • MURRAY HILL 7-7400

February 22, 1963

TYL-270

Address reply to:
P.O. Drawer 8127
South Charleston 3, W. Va.

State of West Virginia
Department of Mines
Oil and Gas Division
2000 Quarrier Street
Charleston, West Virginia

Attention: Mrs. M. E. Griffith
Assistant Director

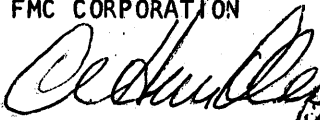
Dear Mrs. Griffith:

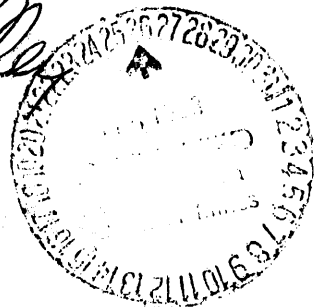
We submit herewith, for your records, a copy of Homco's directional drilling record of our No. 3 well at Bens Run, West Virginia. The well is located in St. Marys Quadrangle, Tyler County, Union District, and was directionally drilled under your permit No. TYL-270 (Directional Drilling), dated September 12, 1962. You will note from the record that the window was cut in the existing pipe at 3,747 feet and the new hole was drilled to a total measured depth of 6,481 feet and was 590.51 feet S25°35'W from the surface location of the original No. 3 well.

In our previous discussion you were advised that we would attempt to drill out of the old No. 3 in a northeast direction. Three attempts were made to do so but due to the characteristics of the formations and the size hole being drilled, we found this to be impractical. The bottom of the hole is under the Earl and Rosalene Wells' farm and is well within FMC property.

Very truly yours,

FMC CORPORATION


C. L. Hundley
Project Engineer



CLH:rr

HOUSTON OIL FIELD MATERIAL COMPANY, INC.

DIRECTIONAL DRILLING

COMPANY: F. M. C. CORPORATION

DATE: 1-29-63

WELL NO.: BENJAMIN #3

LOCATION: BENS RUN FIELD, PLEASANTS COUNTY, WEST VIRGINIA PAGE 1 OF 2

MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
						NORTH	SOUTH	EAST	WEST
3700	PREVIOUS SURVEY		3699.43			15.28		23.45	
3747	47	2°00'	3746.40	1.64	N 73°E	15.76		25.02	
3757	10	2 15	3756.39	.39	N 10 E	16.14		25.09	
3771	14	4 15	3770.35	1.04	N 25 E	17.09		25.53	
3786	15	3 15	3785.33	.85	N 50 E	17.64		26.18	
3796	10	3 15	3795.31	.57	East	17.64		26.75	
3811	15	4 00	3810.27	1.05	S 70 E	17.28		27.74	
3830	19	5 00	3829.20	1.66	S 47 E	16.15		28.95	
3915	85	9 45	3912.97	14.39	S 27 E	3.33		35.49	
3945	30	10 00	3942.51	5.21	S 15 E	1.70	13.71	36.83	
4006	61	11 30	4002.29	12.16	S 09 E	13.71		38.74	
4066	60	12 30	4060.87	12.99	S 04 E	26.67		39.65	
4126	60	12 30	4119.45	12.99	S 04 E	39.63		40.56	
4154	28	14 15	4146.59	6.89	S 11 W	46.39		39.25	
4185	31	14 15	4176.64	7.63	S 15 W	53.76		37.28	
4234	49	14 00	4224.18	11.85	S 16 W	65.15		34.02	
4295	61	14 00	4283.37	14.76	S 16 W	79.34		29.95	
4360	65	12 15	4346.89	13.79	S 34 W	90.77		22.24	
4426	66	13 00	4411.20	14.85	S 33 W	103.22		14.16	
4487	61	12 00	4470.87	12.68	S 51 W	111.20		4.30	
4555	68	15 15	4536.48	17.89	S 49 W	122.93			9.20
4661	106	15 45	4638.50	28.77	S 45 W	143.27			29.54
4752	91	17 30	4725.29	27.36	S 41 W	163.92			47.49
4811	59	18 45	4781.16	18.96	S 42 W	178.01			60.17
4865	54	18 15	4832.44	16.91	S 51 W	188.65			73.31
4956	91	17 15	4919.35	26.99	S 49 W	206.36			93.68

Continued on Page 2

HOUSTON OIL FIELD MATERIAL COMPANY, INC.
DIRECTIONAL DRILLING

COMPANY: **F.M.C. CORPORATION** DATE: **1-29-63**
 WELL NO.: **BENJAMIN #3** LOCATION: **BENS RUN FIELD, PLEASANTS COUNTY, WEST VIRGINIA** PAGE: **2** OF **2**

MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
						NORTH	SOUTH	EAST	WEST
5047	91	16 15	5006.71	25.46	S 42 W		225.28		110.72
5137	90	16 45	5092.89	25.94	S 31 W		247.52		124.08
5228	91	17 30	5179.68	27.36	S 22 W		272.88		134.32
5317	89	18 45	5263.96	28.61	S 20 W		299.76		144.11
5411	94	19 30	5352.57	31.38	S 25 W		328.20		157.37
5501	90	19 45	5437.28	30.41	S 26 W		355.53		170.70
5554	53	18 45	5487.47	17.04	S 24 W		371.10		177.63
5644	90	16 15	5573.87	25.18	S 24 W		394.10		187.87
5746	102	14 45	5672.50	25.97	S 25 W		417.64		198.85
5775	29	14 45	5700.54	7.38	S 27 W		424.22		202.20
5831	56	15 00	5754.63	14.49	S 27 W		437.13		208.78
5886	55	14 00	5808.00	13.31	S 26 W		449.09		214.62
5952	66	13 15	5872.24	15.13	S 24 W		462.91		220.77
6031	79	11 45	5949.58	16.09	S 25 W		477.49		227.57
6105	74	10 45	6022.28	13.80	S 24 W		490.10		233.19
6182	77	9 30	6098.22	12.71	S 23 W		501.80		238.16
6275	93	7 45	6190.37	12.54	S 25 W		513.17		243.46
6356	81	6 30	6270.85	9.17	S 23 W		521.61		247.05
6481	125	6 15	6395.11	13.61	S 36 W		532.62		255.05
CLOSURE: Direction--- S 25°35' W Distance--- 590.51'									
HORCO DIRECTIONAL DRILLING ENGINEER: G.B. Stewart									