

Company **CABOT OIL & GAS**  
 Address **CHARLESTON 4, W. VA.**  
 Farm **O. J. SPURLOCK**  
PART OF 533A.  
 Tract **3a** Acres **33** Lease No. **2584**  
 Well (Farm) No. **3** Serial No. **1082**  
 Elevation (Spirit Level) **810.05**  
 Quadrangle **GUYANDOT**  
 County **WAYNE** District **UNION**  
 Engineer **T. S. FLOURNOY**  
 Engineer's Registration No. **269**  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date **JULY 6 1959** Scale **1" = 500 FT.**

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

**WELL LOCATION MAP**  
 FILE NO. **WAY-1217-P**

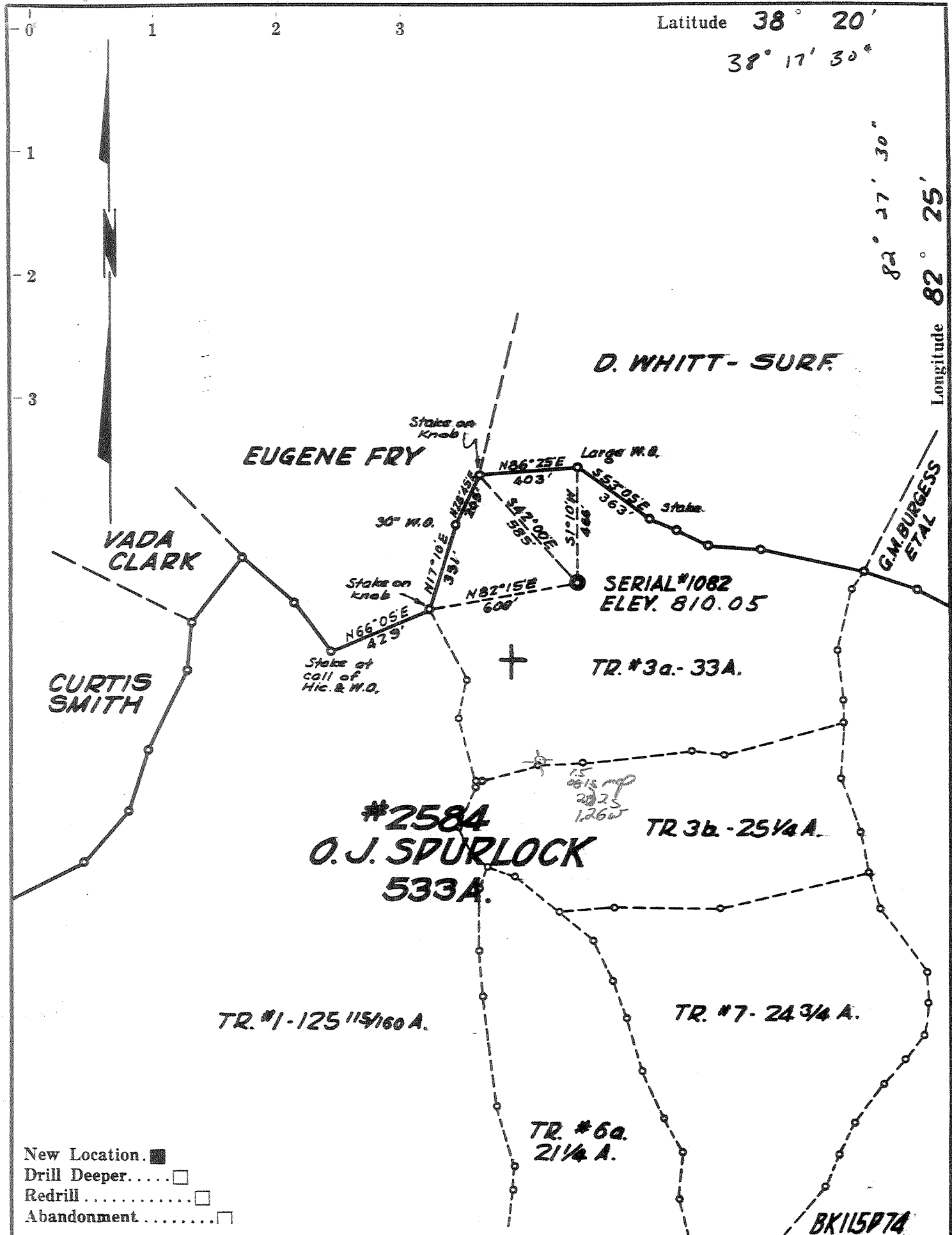
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 — Denotes one inch spaces on border line of original tracing.

WAY-1217-P

6000'

Latitude 38° 20'  
38° 17' 30"

Longitude 82° 27' 30"  
82° 25'



- New Location.
- Drill Deeper.....
- Redrill.....
- Abandonment.....

Company Cabot Oil & Gas Corp. of WVa.  
 P.O. Box 454- Glasgow, WVa. 25086  
 Address Surface: Ervin and Edna Lucas  
 Farm **O.J. SPURLOCK**  
 PART OF 533A.  
 Tract **3a** Acres **33** Lease No. **2584**  
 Well (Farm) No. **3** Serial No. **1082**  
 Elevation (Spirit Level) **810.05**  
 Quadrangle **GUYANDOT**  
 County **WAYNE** District **UNION**  
 Engineer **T. S. FLOURNOY**  
 Engineer's Registration No. **269**  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date **JULY 6 1959** Scale **1" = 500 FT.**

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

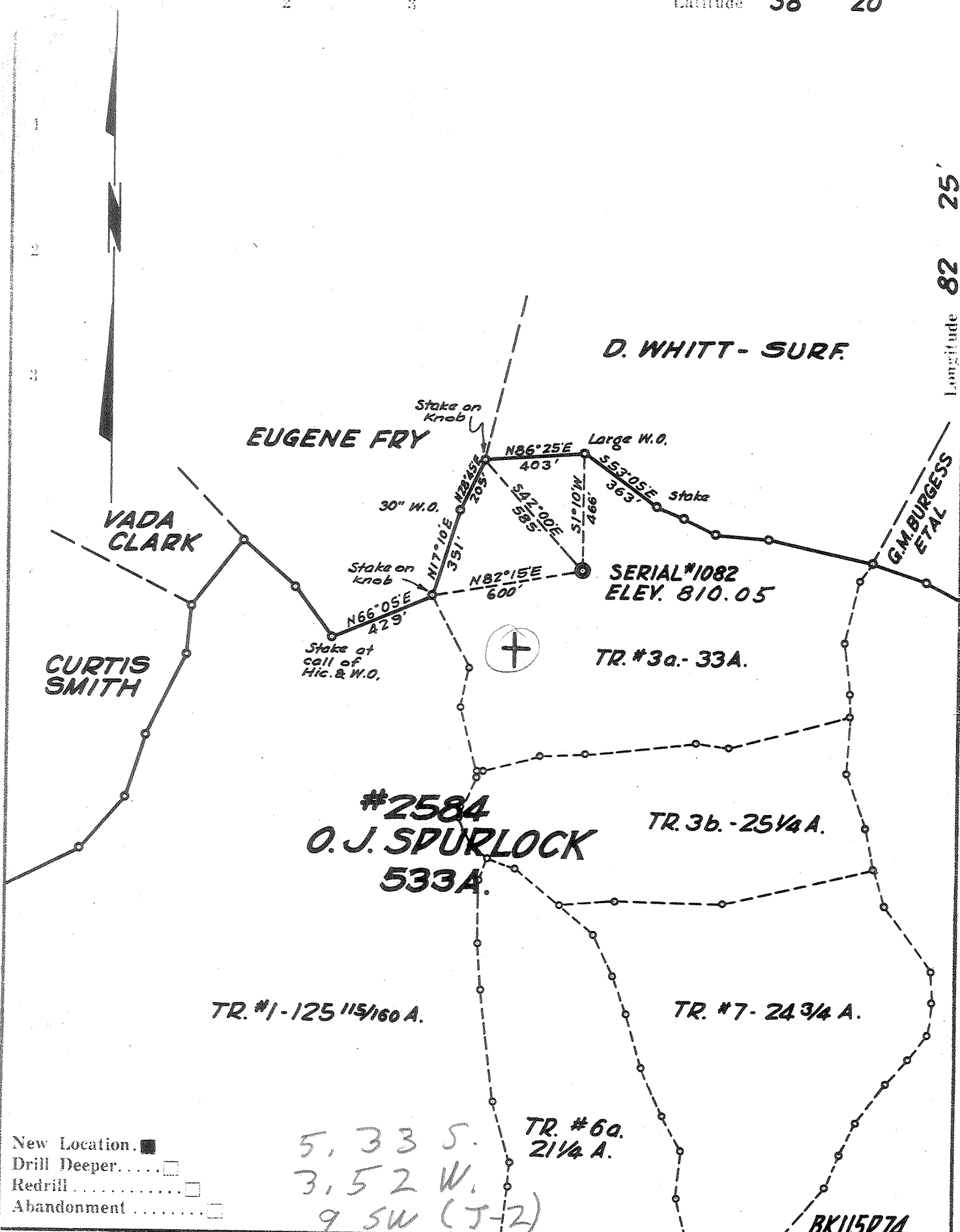
**WELL LOCATION MAP**  
 FILE NO. **WAY-1217-P**

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 — Denotes one inch spaces on border line of original tracing.

JUL 22 1959

121500'

WAY, 1217-P



- New Location.
- Drill Deeper. ....
- Redrill. ....
- Abandonment. ....

5,335.  
3,52 W.  
9 SW (T-2)

BK115P7A

Company OWENS, LIBBEY-OWENS GAS DEPT.  
 Address BOX 4168 CHARLESTON 4, W. VA.  
 Farm O. J. SPURLOCK  
PART OF 533A.  
 Tract 3a. Acres 33 Lease No. 2584  
 Well (Farm) No. 3 Serial No. 1082  
 Elevation (Spirit Level) 810.05  
 Quadrangle GUYANDOT-SW  
 County WAYNE District UNION  
 Engineer T. S. FLOURNOY  
 Engineer's Registration No. 269  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date JULY 6 1959 Scale 1" = 500 FT.

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

WELL LOCATION MAP  
 FILE NO. WAY-1217

— 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.

No Samples 5-6-229 Deep Well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle Guyandot

WELL RECORD

Permit No. Way-1217

Oil or Gas Well Gas

Company Owens, Libbey-Owens Gas Department  
Address P. O. Box 4168, Charleston, W. Va.  
Farm O. J. Spurlock Acres 533  
Location (waters) \_\_\_\_\_  
Well No. 3 (Serial #1082) Elev. 810.05  
District Union County Wayne  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by O. J. Spurlock  
P. O. Box 9027 Huntington, W. Va.

Drilling commenced 9/22/59  
Drilling completed 12/9/59 3910 - 3950  
Date Shot 12/11/59 & 12/21/59 (See Remarks)  
With 266 2/3# Dupont Gelatin, 2333 1/3# Troj. Pd.

Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 183 MCF Big Six Sand \_\_\_\_\_ Cu. Ft.  
Rock Pressure 1000 lbs. 86 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water 324, 715 feet \_\_\_\_\_ feet  
Salt water 1080, 1117-1127 feet 1576-1708, 3331 feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
18			Kind of Packer <u>Larkin</u> <u>Upside Down</u>
18			
10 3/4	<u>324 17"</u>	<u>324 17"</u>	Size of <u>3 1/2 x 4 5/8</u>
5 7/8	<u>1311 10"</u>	<u>Pulled</u>	
7	<u>2238 16"</u>	<u>2238 16"</u>	Depth set <u>3802 - 3808</u>
5 1/2	<u>3651 11"</u>	<u>3651 11"</u>	
3 1/2	<u>-</u>	<u>3911 17"</u>	Perf. top <u>9'</u>
2			Perf. bottom _____
Liners Used			Perf. top <u>(3932-3941)</u>
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 279 FEET 36 INCHES  
\_\_\_\_\_  
FEET INCHES FEET INCHES  
\_\_\_\_\_  
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Top Soil	-	-	0	12			
Sand	-	-	12	16			
Sand	Yellow	Soft	16	26			
Sand	White	Soft	26	41			
Sl. & Shls.	Light	Soft	41	90			
Sand	White	Soft	90	115			
Slate	White	Soft	115	150			
Sl. & Shls.	Light	Soft	150	180			
Red Rock	Red	Soft	180	190			
Sand, Brown.	Light	Soft	190	205			
Sl. & Shls.	Dark	Soft	205	279			
Coal	Black	Soft	279	282			
Sand	White	Hard	282	293			
Sl. & Shls.	Light	Soft	293	324	Water at 324', 1/3 BPH		
Sl. & Shls.	Light	Soft	324	346			
Sand	Grey	Soft	346	376			
Slate	Dark	Soft	376	381			
Sand	Grey	Soft	381	389			
Sand	Light	Soft	389	459			
Sand, Bro.	Grey	Soft	459	489			
Sand	Grey	Soft	489	573			
Sand, Bro	Light	Soft	573	673			
Slate	Dark	Soft	673	688			
Sand	Grey	Soft	688	741	Water at 715', 1 BPH		
Sand, Bro.	Light	Soft	741	992			
Sand, Bro.	Grey	Soft	992	1061			
Sand	Grey	Soft	1061	1122	Water at 1080', hole full		
Sand	Light	Soft	1122	1179			
Sand	White	Hard	1179	1183			
Slate	Blue	Soft	1183	1198			
Sl. & Shls.	Dark	Soft	1198	1218			
Sand	Light	Hard	1218	1248			
Sand	Light	Soft	1248	1256			
Red Rock	Red	Soft	1256	1266			
Lime Shells	Light	Soft	1266	1273			

(Over)

Formation	Color	Hard or Soft	Top /4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime Shells	Light	Hard	1273	1283			
Slate	Blue	Soft	1283	1295			
Slate	Dark	Soft	1295	1296			
Little Lime	Dark	Medium	1296	1320			
Slate	Blue	Soft	1320	1324			
Big Lime	Dark	Medium	1324	1333			
Big Lime	Grey	Hard	1333	1350			
Big Lime	Light	Medium	1350	1475			
Big Lime	Light	Hard	1475	1484			Water at 1417-1427, 15 gal per hr.
Big Lime	Light	Medium	1484	1525			
Sand	Light	Medium	1525	1576			
Stray Sands	Light	Soft	1576	1708			Water Somewhere between 1576-1708
Slate	Dark	Soft	1708	1716			Dried up hole at 1716 for 24 hr. test
Slate	Dark	Soft	1716	1743			Found 397 gal in 25 hrs.
Sl. & Shells	Dark	Soft	1743	2084			
Shells	Grey	Medium	2084	2096			
Sl. & Shls.	Grey	Medium	2096	2145			
Br. Shale	Brown	Soft	2145	2164			
Berea Sand	Light	Medium	2164	2187			Oil show at 2170
Sl. & Shls.	Dark	Medium	2187	2191			
Shells	Light	Hard	2191	2205			
Slate	Light	Soft	2205	2234			
Shells	Dark	Medium	2234	2240			
Shells	Dark	Medium	2240	2245			
Sl. & Shels.	Grey	Soft	2245	2268			
Br. Shale	Brown	Soft	2268	2346			
Shale	Light	Soft	2346	2401			
Slate	Light	Soft	2401	2421			
Sl. & Shls.	Light	Soft	2421	2572			Pulled 8 5/8" casing at 1344'10"
Br. Shale	Brown	Soft	2572	2662			
Sl. & Shls.	White	Soft	2662	2702			
Br. Shale	Brown	Soft	2702	3008			
Slate	Light	Soft	3008	3010			
Shells	Light	Soft	3010	3114			
Sl. & Shls.	Light	Soft	3114	3210			
Shale	Dark	Soft	3210	3248			
C. Lime	Dark	Hard	3248	3269			
C. Lime	Grey	Hard	3269	3915			Little Water 3331-3337
							Water Between 3435-3441, 5 gal.
							Gas 3435, 22/10 W 5/8 = 14.3 MCF
							Gas 3441, 38/10 W 5/8 = 18.8 MCF
							Water Test at 3459, 11 gal. in 2 hrs.
C. Lime	Grey	Hard	3915	3916			12-7-59
Big Six Sand	Grey	Hard	3916	3984			Gas 3928, 20/10 W 1 1/2 = 79 MCF
							Test 3934, 16/10 W 1 1/2 = 71 MCF
							Test 3941, 10/10 W 1 1/2 = 56 MCF
							Test 3947, 44/10 W 1 = 52 MCF
							12-8-59
							Test 3952, 3996, 40/10 W 1 = 49.5 MCF
Slate	Grey	Soft T. D.	3984	3996 3996			12-10-59 Birdwell survey made Gamma Ray & Temperature
							12-14-59 Shot with 266 2/3# Dupont Gelatin from 3910 to 3950 (2:05) P.M. T. B. set for 4 hrs. Tamp didn't move
							Test BS: 38/10 W 1 = 48.3 MCF
							Drilling out tamp 9 hrs.
							35 Min A.T.O. 64/10 W 2 = 251 MCF
							Tests while cleaning out:
							3 hrs. 50/10 W 1 1/2 = 125 MCF

Date February 11, 1959

APPROVED OWENS, LIBBEY-OWENS GAS DEPARTMENT, Owner

By *A. H. Smith*  
A. H. Smith, Mgr. (Title)  
Land, Engineering & Geology



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

Quadrangle \_\_\_\_\_

WELL RECORD

Permit No. Way-1217

Oil or Gas Well \_\_\_\_\_ (KIND)

Company Owens, Libbey-Owens Gas Department  
Address \_\_\_\_\_  
Farm O. J. Spurlock Acres 533  
Location (waters) \_\_\_\_\_  
Well No. 3 (Serial #1082) Elev. 810.05  
District Union County Wayne  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by O. J. Spurlock  
Address \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 3/4			
6 3/4			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced \_\_\_\_\_  
Drilling completed \_\_\_\_\_  
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.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
					86 - 106 hrs. 18/10 W 1 1/2 =	75	MCF
					12-21-59 Shot 2nd time with 2333 1/3# Trojan Powder from 3911 to 3945 (3:42 P.M.) Tamped with 50' pea gravel T. B. set for 3 hrs. Test BS: 18/10 W 1 1/2 =	75	MCF
					12-22-59 Drilled out tamp - out 7:30 A.M. Tests: after tamp out: 30 Min. 28/10 W 3 = 16 Hrs. 30/10 W 2 1/2 =	373	MCF 268 MCF
					12-23-59 Cleaned out to 3921 38 hrs. 22/10 W 2 1/2 = Turned in line 4 P.M. - 12/23/59	230	MCF
					12-30-59 Cleaned out to 3911 Test 6:00 A.M. 23/10 W 2 =	150	MCF
					12-31-59 Cleaned out to 3951 Installed 3 1/2" Tbg. at 3945' with Larkin upside-down pkr. Set 3802-3808 F.O.F. Big Six Sand	183	MCF

(Over)

O. J. SPEARLOCK NO. 3 (1082) WELL

Union District, Wayne County, W. Va.

By Owens, Libbey-Owens Gas Dept., Box 4168, Charleston, W. Va.

Drilled under permit Way-1217; Gyandot Quadrangle.

On 533' acres.

Elevation 810.05' L.

Minerals owned by O. J. Spearlock, P. O. Box 9027, Huntington, W. Va.

Drilling commenced 9/22/59; completed 12/9/59.

Well shot 12/14 and 21/59; with 266 2/39 DuPont Gel. from 3910 to 3950' (2:05) p.m. Test before set for 4 hrs. Temp didn't move. Test Before shot 35/10 W

1 = 48.3 MCF; drilling out temp 9 hrs. 35 min. after shot 65/10 W 2 = 251 MCF;

tests while cleaning out, 3 hrs. 50/10 W 1 1/2 = 125 MCF; 85-106 hrs. 18/10 W 75M.

12/7/59: Gas 3928' 20/10 W 1 1/2 = 79 MCF; Test 3934', 16/10 W 1 1/2 = 71 MCF;

Test 3941' 10/10 W 1 1/2 = 56 MCF; test 3947', 44/10 W 1 = 52 MCF.

12/8/59: Test 3952'; 3996, 40/10 W 1 = 49.5 MCF.

12/10/59: Birdwell Survey made Coma Bay and Temperature.

12/21/59: Shot 2nd time with 2333 1/27 Trojan Powder, from 3911 to 3949' (3:42)

p.m. Tamped with 50' pea gravel. Test 88: 18/10 W 1 1/2 = 75 MCF; 12/23/59:

Drilled out temp - out 7:30 a.m. Tests: after temp out: 30 min. 28/10 W 3 =

373 MCF; 16 hrs. 30/10 W 2 1/2 = 269 MCF. 12/23/59: cleaned out to 3921'/

28 hrs. 22/10 W 2 1/2 = 230 MCF; Turned in line 4 p.m. - 12/23/59,

12/30/59: cleaned out to 3944', test 6:00 a.m., 23/10 W 2 = 150 MCF.

12/31/59: Cleaned out to 3951', installed 3 1/2" tubing at 3945', with Larkin

Upside Down Packer. Set 3802-3808'. F.O.F. Big Six Sand 183 MCF.

10 3/4" casing, 324'7"; 8 5/8", 1344'10" (pulled); 7", 2238'6" (left in);

5 1/2", 3651'11"; 3 1/2", 3944'7".

Perf. bottom 3932-41')

Coal encountered at 279', 36".

Water 324', 1/3 BPH; 713', 1 BPH; 1080', (hole full); 1417-27', 15 gal./hr.;

water somewhere between 1576-1700'; dried up hole at 1716 for 24 hr. test

found 397 gal. in 25 hrs. 3331-3337' (little water); water between 3435-3441',

5 gal. Water test at 3459, 11 gal. in 2 hrs.

Oil 2170' (show).

Gas 3435', 22/10 W 5/8 = 14.3 MCF; 3441', 38/10 W 5/7 = 18.8 MCF.

Record to Dept. of Mines Feb. 11, 1959.

Record from Owens Libbey-Owens Gas Dept. to RCT, Feb. 23, 1960

	Top.	Bottom.
Top soil	0	12
Sand	12	16
Sand, yellow, soft	16	26
Sand, white, soft	26	41
Slate and shells, light, soft	41	90
Sand, white, soft	90	115
Slate, white, soft	115	150
Slate and shells, light, soft	150	180
Red rock, red, soft	180	190
Sand, brown, light, soft	190	205
Slate and shells, dark, soft	205	279
Coal, black, soft	279	282
sand, white, hard	282	293
Slate and shells, light, soft	293	324
Slate and shells, light, soft	324	346
Sand, grey, soft	346	376
Slate, dark, soft	376	381
Sand, grey, soft	381	389
Sand, light, soft	389	459

	op.	Bottom.
Sand, grey, soft	489	573
Sand, broken, light, soft	573	673
Slate, dark, soft	673	688
Sand, grey, soft	688	741
Sand, broken, light, soft	741	992
Sand, broken, grey, soft	992	1061
Sand, grey, soft	1061	1122
Sand, light, soft	1122	1179
Sand, white, hard	1179	1183
Slate, blue, soft	1183	1198
Slate and shells, dark, soft	1198	1218
Sand, light, hard	1218	1248
Sand, light, soft	1248	1256
Red rock, red, soft	1256	1266
Lime shells, light, soft	1266	1273
Lime shells, light, hard	1273	1283
Slate, blue, soft	1283	1295
Slate, dark, soft	1295	1296
Little lime, dark, medium	1296	1320
Slate, blue, soft	1320	1324
Big lime, dark, medium	1324	1333
Big lime, grey, hard	1333	1350
Big lime, light, medium	1350	1475
Big lime, light, hard	1475	1484
Big lime, light, medium	1484	1525
Sand, light, medium	1525	1576
Stray sands, light, soft	1575	1708
Slate, dark, soft	1708	1716
Slate, dark, soft	1716	1743
Slate and shells, dark, soft	1743	2084
Shells, grey, medium	2084	2096
Slate and shells, grey, med.	2096	2145
Brown shale, brown, soft	2145	2164
Berea Sand, light, medium	2164	2187
Slate & shells, dark, med.	2187	2191
Shells, light, hard	2191	2205
Slate, light, soft	2205	2234
Shells, dark, medium	2234	2240
Shells, dark, medium	2240	2245
Slate & shells, gray, soft	2245	2268
Brown shale, brown, soft	2268	2346
Shale, light, soft	2346	2401
Slate, light, soft	2401	2421
Slate & shells, light, soft	2421	2572
Brown shale, brown, soft	2572	2662
Slate & shells, white, soft	2662	2702
Brown shale, brown, soft	2702	3008
Slate, light, soft	3008	3010
Shells, light, soft	3010	3144
Slate & shells, light, soft	3144	3210
Shale, drk, soft	3210	3248
C. lime, drk, hard	3248	3269
C. lime, grey, hard	3269	3915
C. lime, grey, hard	3915	3916
Big Six Sand, grey, hard	3916	3984
Slate, grey, soft	3984	3996
TOTAL DEPTH		3996

May 1917



**RECEIVED**  
SEP 18 1985

AFFIDAVIT OF PLUGGING AND FILLING WELL

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, 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.

Lena Spurlock

Coal Operator or Owner

Rt. 1, Box 1393, Wayne, WV 25570

Address

Coal Operator or Owner

Address

Ervin & Edna Lucas

Lease or Property Owner

Rt. 1, Box 1394, Wayne, WV 25570

Address

Cabot Oil & Gas Corp. of WV

Name of Well Operator

P.O. Box 454, Glasgow, WV 25086

Complete Address

September 16, 19 85

WELL AND LOCATION

Union \_\_\_\_\_ District \_\_\_\_\_

Wayne County

WELL NO. #3

O.J. Spurlock Farm

STATE INSPECTOR SUPERVISING PLUGGING Jerry Holcomb

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Kanawha

ss:

Bill Shreve (Shreve Well Service) and C. E. McClure

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 Cabot Oil & Gas Corp. of WV, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 26 day of August, 19 85, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
3760' - 3400'	Class A cement	3½" bridge plug		
3400' - 2290'	6% Gel	@ 3780' and		
2290' - 2100'	Class A cement	1 sk Cal-seal		
2100' - 800'	6% Gel			
800' - 650'	Class A cement	6½" Baker open		
650' - 375'	6% Gel	hole bridge plug @ 2290'		
375' to surface	Class A cement			
Circ. & Filled 10" casing from 300' to surface		Cut 3½" tubing	3760	184
		Cut 5½" casing	2300	1351
		Cut 7" casing	750	1488
		Cut 10" casing @ 300' - could not pull		324
Coal Seams	Description of Monument			
(Name) <u>279-82'</u>	Casing monument with API			
(Name)	number			
(Name)				
(Name)				

and that the work of plugging and filling said well was completed on the 29 day of August, 19 85.

And further deponents saith not.

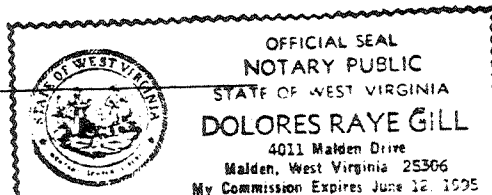
Sworn to and subscribed before me this 16 day of September, 19 85.

William A Shreve

Dolores Raye Gill  
Notary Public

My commission expires:

June 12, 1995



Permit No. 47-099-1217 P