5410

Jamie 9/19/89

Latitude 38° 30'

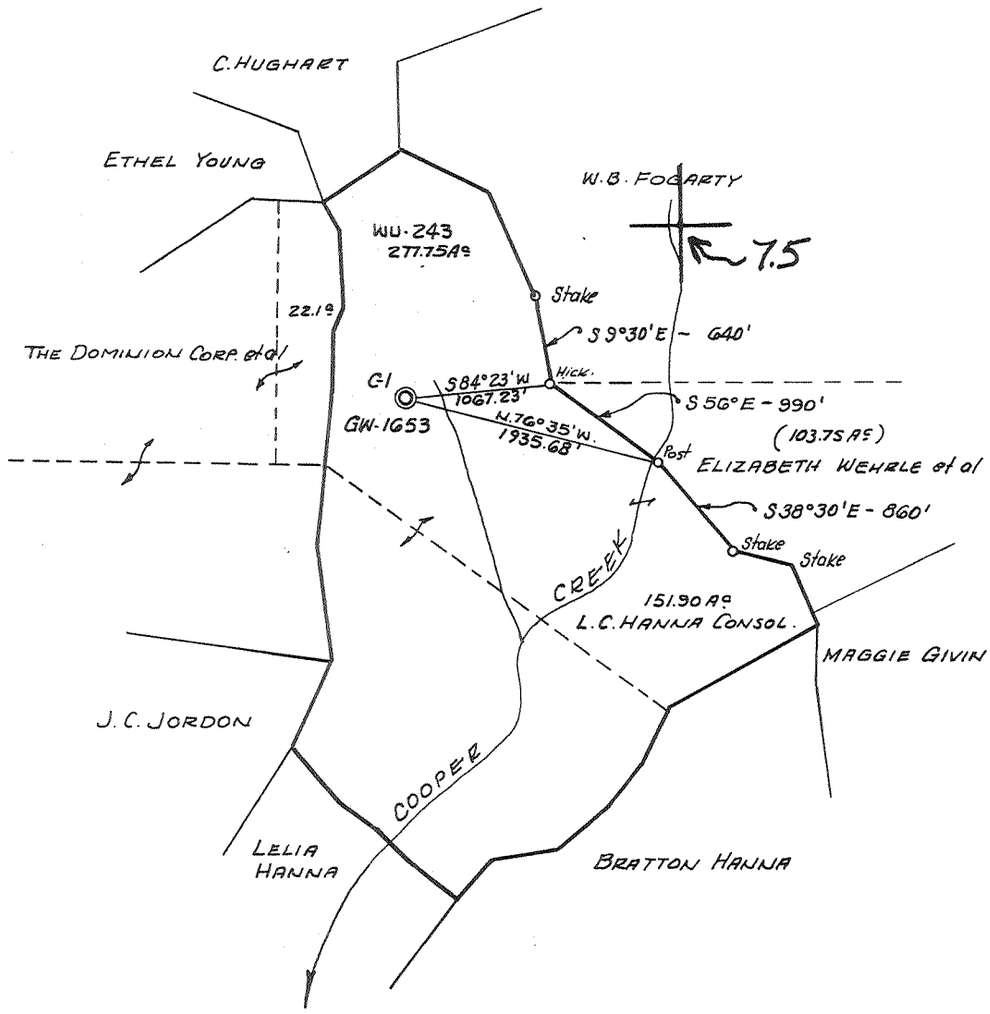
7.5

81° 32' 30"

Longitude 81° 30'

7100

15



New Location . ☑
Drill Deeper . . . . ☐
Redrill . . . . . ☐
Abandonment . . . . . ☒

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

ELEVATION BASE FROM GW-444

Company OXY USA INC.
Address BOX 873 CHARLESTON, W.VA.
Farm LEONARD C. HANNA, CONSOL.
Tract _____ Acres 277.75 Lease No. WU-243
Well (Farm) No. E-1 Serial No. GW-1653
Elevation (Spirit Level) 873.95
Quadrangle CHARLESTON - 15/Big Chimney 7.5
County KANAWHA District ELK
Engineer Wendell S. Moore
Engineer's Registration No. 2113
File No. _____ Drawing No. W-3-69
Date 29 MAY 69 Scale 1" = 1320'

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

WELL LOCATION MAP

FILE NO. KAN-2410 Plugging
47-039-

+ 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.

SEP 29 1989

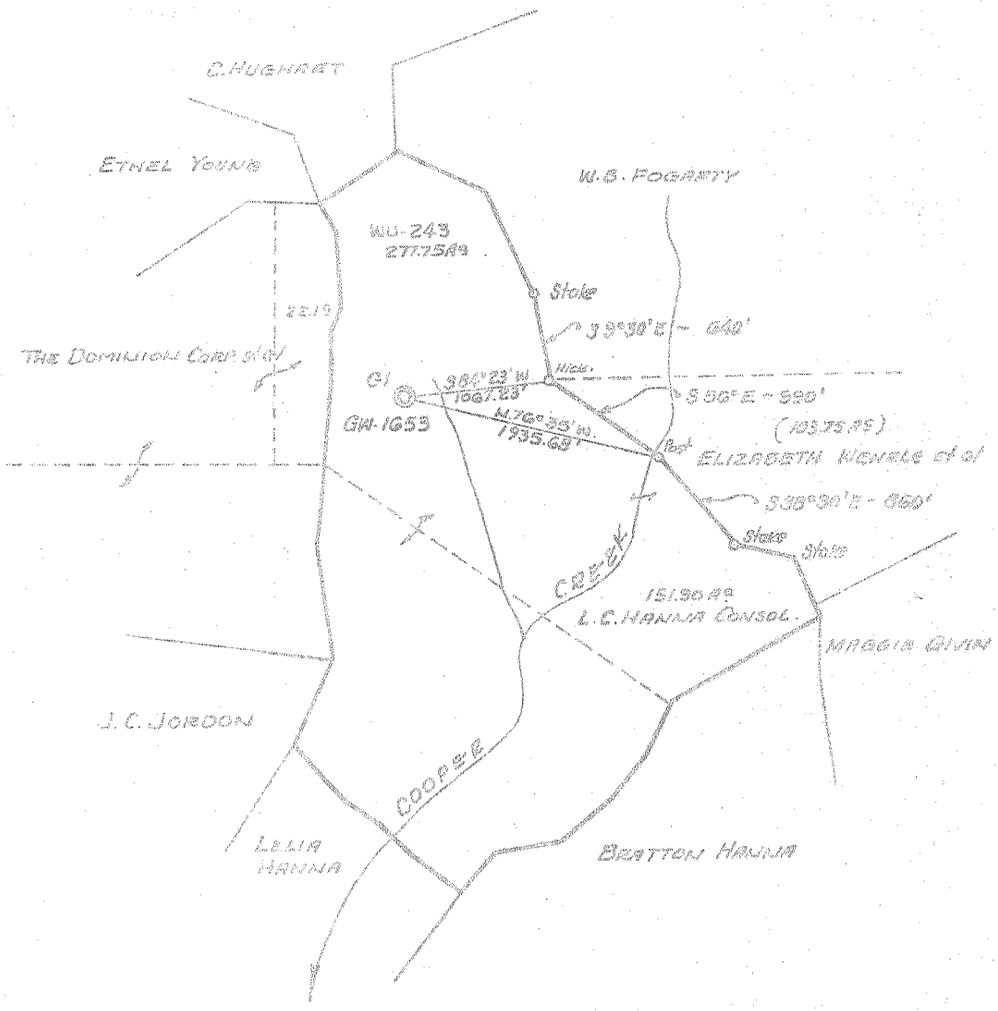
ALLEN BLUEPRINT & SUPPLY CO.

Plot ✓ Log ✓ Card ✓ CSD ✓ Mflm ✓ 6/2/69 CSD

Latitude 38 30

1.39 S
3.33 W

Longitude 81 30



2.02 S
0.51 W

New Location . . . ☑
Drill Deeper . . . . ☐
Redrill . . . . . ☐
Abandonment . . . . . ☐

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

ELEVATION BASE FROM GW-222

Company CITIES SERVICE OIL COMPANY
Address BOX 873 CHARLESTON, W. VA.
Farm LEONARD C. HANNA, CONSOL.
Tract _____ Acres 277.75 Lease No. WU-243
Well (Farm) No. C-1 Serial No. GW-1653
Elevation (Spirit Level) 873.95
Quadrangle CHARLESTON - 1 NE
County KANAWHA District FLK
Engineer Donald S. Moore
Engineer's Registration No. 2113
File No. _____ Drawing No. M-3-69
Date 29 MAY 69 Scale 1" = 1320'

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

WELL LOCATION MAP

FILE NO. KAN-2410

+ 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.

ALLEN BLUEPRINT & SUPPLY CO.

6-6 Cooper Creek 331 Deep Well (Newburg)

JUN 15 1969

Form OG-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 4

WELL RECORD

Rotary [x]
Spudder [ ]
Cable Tools [ ]
Storage [ ]

Quadrangle Chas. 1 38°30' 3-22

Permit No. KAN-2410

Oil or Gas Well Gas (KIND)

Company Cities Service Oil Company
Address Box 873, Charleston, W. Va. 25323
Farm L. C. Hanna Consol. Acres 277.75
Location (waters) Coopers Creek
Well No. "E" #1, GW-1653 Elev. 879'
District Elk County Kanawha
The surface of tract is owned in fee by Reba H. Mechinsky, etal
1335 Hickory Road Address Chas. W. Va.
Mineral rights are owned by Harry L. Paxton, et al
910 Price St. Address Chas. W. Va.
(for further add. contact C. S. O. Co)
Drilling commenced 8-30-69
Drilling completed 9-12-69
Date Shot From To
With

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13 3/8" 48#	62'	62'	none
10			Size of
8¼ 8-5/8" 24#	1907'	1907'	
6⅝			Depth set
5-1/2" 5 3/16 17#	5801'	5801'	
4½			
3			Perf. top
2 3/8" 4.7#	5850'	5850'	Perf. bottom
Liners Used	with cage		Perf. top
			Perf. bottom

Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) not acidized

Attach copy of cementing record.
CASING CEMENTED SIZE No. Ft. Date
Amount of cement used (bags)
Name of Service Co. see reverse side
COAL WAS ENCOUNTERED AT none FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

WELL FRACTURED (DETAILS) see reverse side

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 60,000 MCFD Newburg see revised record
ROCK PRESSURE AFTER TREATMENT 24 HOURS Tub. 2217#; BH 2233#
Fresh Water 568' Feet Salt Water Feet
Producing Sand Newburg Sand Depth 5769-5794' per electric logs

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale			0	70			
Sand			70	81			
Sand and Shale			81	273			
Sand			273	298			
Sand and Shale			298	382			
Sand			382	415			
Shale			415	678	F. water	568'	
Sand and Shale			678	980			
Sand			980	1366			
Lime			1366	1772			
Lime and Shale			1772	1785			
Sand			1785	1815			
Sand and Shale			1815	1905			
Shale			1905	2527			
Sand and Shale			2527	2587			
Shale			2587	4891			
Lime			4891	5778			
Newburg Sand			5778	5794	Gas	5778'	est. 25,000MC
Lime McKenzie			5794	5822			

Total depth ---------- 5822' Drillers' meas.
5815' Schlumberger's Meas.

Electric Logs showed:
Newburg Sand 5769 5794

Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
CASING RECORD							
8-30-69	Set and cemented 13-3/8" 48# H-40 casing at 79' with 100 sacks regular cement with 4% ca. cl. Good returns.						
9-4-69	Set and cemented 8-5/8" 24# J-55 new casing at 1905' with 222 sacks Pozmix and 100 sacks regular cement. Cement circulated to surface. Pumped 50 bbls. 6% gel with lost circulation material ahead of cement.						
9-9-69	Set and cemented 5-1/2" 17# J-55 and N-80 new casing at 5740' (2,094' of N-80 run on top of string) with 125 sacks cement and 35 sacks Latex. Pumped 300 bbls. 6% gel with lost circulation material ahead of cement. Good circulation of gel to the surface. Centralizers 5707', 5509', 5514', 5425' and 5319'. Float at 5707'						
9-13-69	Ran Schlumberger Dual Induction, Gamma Ray Compensated Formation Density, caliper and Cement Bond Log. Schlumberger T. D. 5815'						
9-30-69	FRACTURED THE NEWBURG SAND						
	Pumped in 500 gallons MCA and 1,000 gallons regular 15% acid. Followed with 26,000# 20-40 sand in 24,000 gallons gelled water. Maximum treating pressure 4100#. Average treating pressure 3880#. AIR 32 bbl/min. Used 690 bbls. total fluid-flowing back.						
10-2-69	24 hour SIP tubing 2217#, annulus 2233#. F. O. F. 60,000 MCFD.						

Date October 22, 19 69

APPROVED Cities Service Oil Company, Owner

By L. D. Todd, Region Manager
(Title)

Form OG-10

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

Rotary ☒
Spudder ☐
Cable Tools ☐
Storage ☐

Quadrangle Chas. I 37°30' 3-22

Permit No. KAN-2410

WELL RECORD
AMENDED

Oil or Gas Well Gas (KIND)

Company Cities Service Oil Company
Address Box 873, Charleston, W. Va. 25323
Farm L. C. Hanna Consol. Acres 277.75
Location (waters) Coopers Creek
Well No. "E" #1 GW-1653 Elev. 879'
District Elk County Kanawha
The surface of tract is owned in fee by Reba H. Mechinsky, etal
1335 Hickory Road Address Chas. W. Va.
Mineral rights are owned by Harry L. Paxton, et al
910 Price St. Address Chas. W. Va.
(for further add. contact C. S. O. Co)
Drilling commenced 8-30-69
Drilling completed 9-12-69
Date Shot not 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 (DETAILS) not acidized
WELL FRACTURED (DETAILS) see reverse side

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13 3/8" 48#	62'	62'	none
10			Size of
8¼" 24#	1907'	1907'	
6⅝			Depth set
5-1/2" 17#	5801'	5801'	
4½			
3			Perf. top
2 3/8" 4.7#	5850'	5850'	Perf. bottom
Liners Used with cage			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED SIZE No. Ft. Date
Amount of cement used (bags)
Name of Service Co. see reverse side
COAL WAS ENCOUNTERED AT none FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 168,000 MCFD (Newburg) (4 point test) 68,000,000
ROCK PRESSURE AFTER TREATMENT HOURS Tubing 2232#, annulus 2235#
Fresh Water 568' Feet Salt Water Feet
Producing Sand Newburg Sand Depth 5769-5794' per electric logs

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale			0	70			
Sand			70	81	5769	5769	
Sand and Shale			81	273	879		
Sand			273	298	4890		
Sand and Shale			298	382			
Sand			382	415			
Shale			415	678	F. water	568'	
Sand and Shale			678	980			
Sand			980	1366			
Lime			1366	1772 -406			
Lime and Shale			1772	1785 - 13			
Sand			1785	1815 - 30			
Sand and Shale			1815	1905 -			
Shale			1905	2527			
Sand and Shale			2527	2587			
Shale			2587	4891			
Lime			4891	5778			
Newburg Sand			5778	5794	Gas	5778'	est. 25,000Mcf
Lime McKenzie			5794	5822			

Total depth---------- 5822' Drillers' meas. =
5815' Schlumberger's meas.

Electric logs showed:
Newburg Sand 5769 5794 25

(over)

[redacted]

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
CASING RECORD							
8-30-69	Set and cemented 13-3/8" 48# H-40 casing at 79' with 100 sacks regular cement with 4% ca. cl. Good returns.						
9-4-69	Set and cemented 8-5/8" 24# J-55 new casing at 1905' with 222 sacks Pozmix and 100 sacks regular cement. Cement circulated to surface. Pumped 50 bbls. 6% gel with lost circulation material ahead of cement.						
9-9-69	Set and cemented 5-1/2" 17# J-55 and N-80 new casing at 5740' (2,094' of N-80 run on top of string) with 125 sacks cement and 35 sacks Latex. Pumped 300 bbls. 6% gel with lost circulation material ahead of cement. Good circulation of gel to the surface. Centralizers 5707', 5609', 5514', 5425' and 5319'. Float at 5707'						
9-13-69	Ran Schlumberger Dual Induction, Gamma Ray, Compensated Formation Density, Caliper and Cement Bond Log. Schlumberger T. D. 5815'						
9-30-69	FRACTURED THE NEWBURG SAND Pumped in 500 gallons MCA and 1,000 gallons regular 15% acid. Followed with 26,000# 20-40 sand in 24,000 gallons gelled water. Maximum treating pressure 4100#. Average treating pressure 3880#. AIR 32 bbl/min. Used 690 bbls. total fluid-flowing back.						
10-2-69	24 hour SIP tubing 2217#, annulus 2233#, F.O.F. 60,000 MCFD						
10-28-69	United Fuel ran 4 point open flow test. Well calculated 168,000 MCFD open flow at the face of the sand from test. Shut in pressure - tubing 2232#, annulus 2235#.						

Date November 11, 1969

APPROVED Cities Service Oil Company, Owner

By L. D. Todd, Region Manager
(Title)

WR-38
5-Sep-89

API # 47- 39-02410-P

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVSION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE 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: KANAWHA VALLEY OIL CO Operator Well No.:HANNA E1-GW1653

LOCATION: Elevation: 873.95 Quadrangle: BIG CHIMNEY
District: ELK County: KANAWHA
Latitude: 7100 Feet South of 38 Deg. 30 Min. 0 Sec.
Longitude 5410 Feet West of 81 Deg. 32 Min. 30 Sec.

Well Type: OIL _____ GAS X

Company: OXY USA INC.
P. O. BOX 873
CHARLESTON, WV 25323

Coal Operator or Owner: Not Applicable

Agent: DELBERT G. OLIVER
Inspector: CARLOS HIVELY
Permit Issued: 09/25/89

Coal Operator or Owner

RECEIVED
NOV 14 1989
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of KANAWHA ss:

TIMOTHY A. COOK, OXY USA INC. and TIM HICKMAN, WELL TECH 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 OXY USA INC., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 2ND day of NOVEMBER, 1989, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
60 sks Latex Cement	5570'	4895'	5570' of 2-3/8"	196' (SEE BACK)
Baker 5-1/2" Model T CIBP		4894'		
6% Gel	4894'	4085'	4000' of 5-1/2"	1740'
45 sks Class "A" Cement	4085'	3885'		
6% Gel	3885'	1995'		
60 sks Class "A" Cement	1995'	1795'		
Baker 8-5/8" Model N-1 CIBP		1795'		
6% Gel	1795'	150'		
47 sks Class "A" Cement	150'	0'		

Description of monument: 8-5/8" CASING, 5 FT HIGH WITH OXY USA INC., HANNA E-1, GW 1653, API NO. 47-39-02410-P ON NAME PLATE

and that the work of plugging and filling said well was completed on the 9TH day of NOVEMBER, 1989.

And furthur deponents saith not.

Timothy A. Cook
Tim Hickman (Well Tech)

Sworn and subscribe before me this 9 day of November, 1989
My commission expires: June 1, 1999

Donald G. Bay NOV 20 1989
~~Notary Public~~
Commissioner

039 2410

MR. JAMIE STEVENS VERBALLY APPROVED CUTTING OFF STUCK TUBING AT 10:30 A.M. NOVEMBER 3, 1989. PULLED 25,000 LBS OVER TUBING STRING WEIGHT. COULD NOT PUMP DOWN TUBING OR CASING AT 1000 PSIG.