

WELL SITE
 STATE PLANE WV
 SOUTH ZONE NAD 1927
 N - 350,940.99
 E - 1,684,880.08

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

FILE NO. P&A8545.DGN
 DRAWING NO. CNR P&A 8545
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:2500
 PROVEN SOURCE OF ELEVATION OPERATOR'S WELL RECORDS

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. 647

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DIVISION OF ENVIROMENTAL PROTECTION
 OIL AND GAS DIVISION



DATE NOVEMBER 9, 19 99
 OPERATOR'S WELL NO. 8545
 API WELL NO. 47 045 0648 P
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF 'GAS,') PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1167.08' WATER SHED MARSH FORK
 DISTRICT GUYAN COUNTY LOGAN
 QUADRANGLE CHAPMANVILLE, WV 7.5'

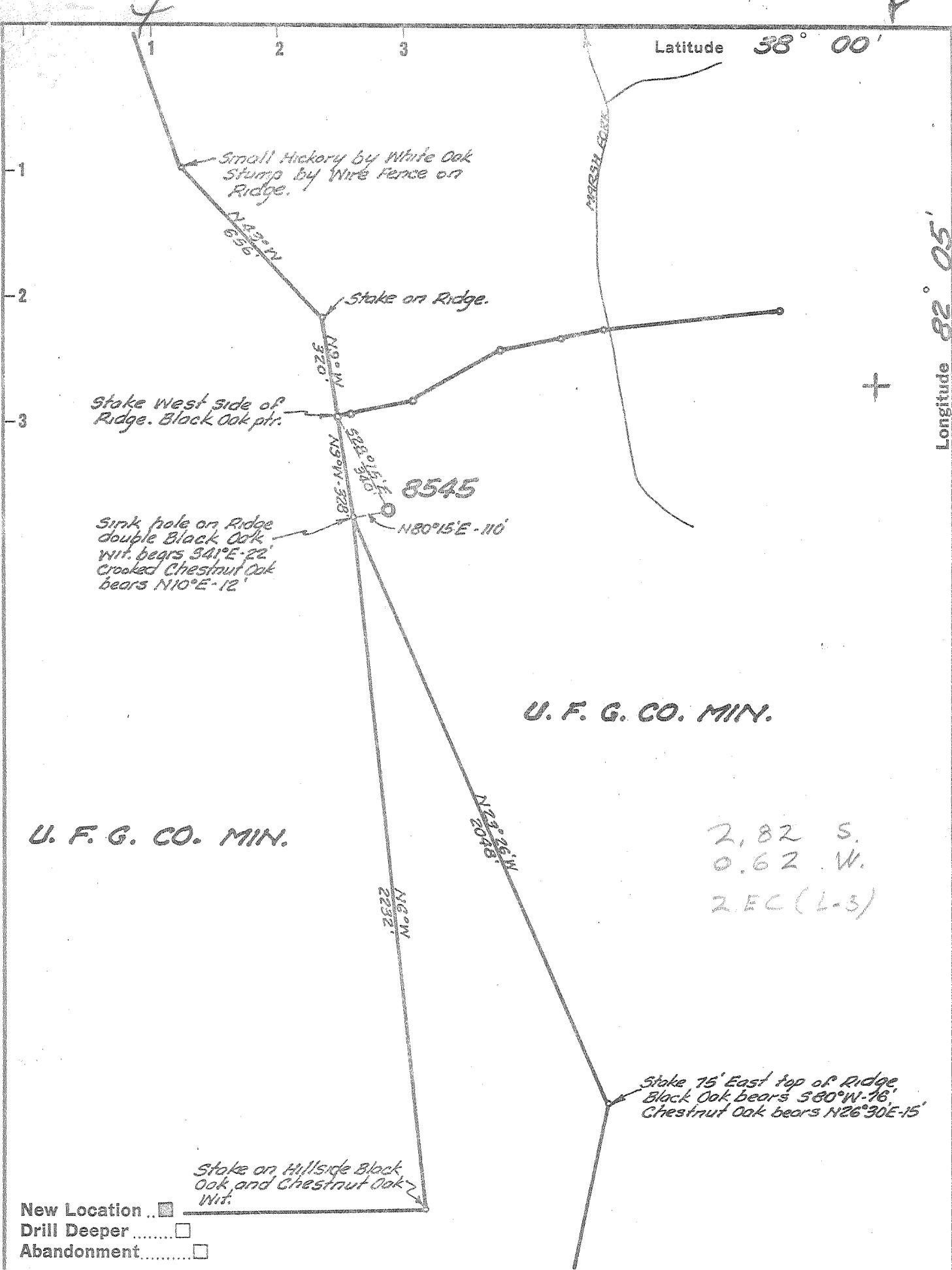
SURFACE OWNER JAMES & LOTTIE FARLEY ACREAGE 68
 OIL & GAS ROYALTY OWNER COLUMBIA NATURAL RESOURCES, INC. LEASE ACREAGE 74,735
 LEASE NO. FEE LANDS

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

PLUG AND ABANDON X CLEAN OUT AND REPLUG
 TARGET FORMATION ESTIMATED DEPTH
 WELL OPERATOR COLUMBIA NATURAL RESOURCES, INC. DESIGNATED AGENT W.A. WATSON, JR.
 ADDRESS PO BOX 6070, CHARLESTON, WV 25362 ADDRESS SAME

COUNTY NAME LOGAN
 PERMIT 0648 P

JAN 28 2000



Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm UNITED FUEL GAS CO. MIN.
 Tract 1 Acres 23469.33 Lease No. NO REF.
 Well (Farm) No. _____ Serial No. 8545
 Elevation (Spirit Level) 1167.08'
 Quadrangle HOLDEN - NC
 County LOGAN District CHAPMANSVILLE
 Engineer Sybert R. Howell
 Engineer's Registration No. 2529
 File No. 36-31 Drawing No. _____
 Date 4-25-57 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. LOG-648

+ 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.

2.82 S.
 0.62 W.
 2 EC (L-3)

6-6-45

Deep Well



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

Quadrangle Holden

WELL RECORD

Permit No. LOG-648

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Co.
Address P.O. Box 1273; Charleston 25, W. Va.
Farm United Fuel Gas Co. Min. Tr. #1 Acres 23,469.33
Location (waters) Marsh Fork
Well No. 8545 Elev. 1167.08
District Chapmansville County Logan
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by United Fuel Gas Co.
Address Charleston, W. Va.
Drilling commenced 7-8-57
Drilling completed 10-5-57
Date Shot 10-7-57 From 2700 To 4169
With 10,133-1/3# Gelatin
Open Flow 10 10ths Water in 2 Inch
38 10ths Merc. in 1 65 M Inch
Volume 198,000 Big Lime 65 M/Br. Shale 183 M Cu. Ft.
Rock Pressure 110 lbs. 48 hrs.
Oil 330 bbls., 1st 24 hrs.
WELL ACIDIZED 8-23-57
with 3000 gallons acid
WELL FRACTURED _____

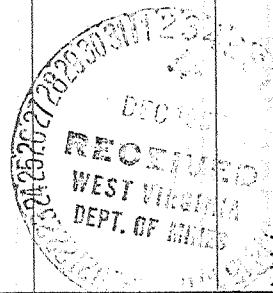
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Hook wall
18			Size of
10 <u>3/4</u>		<u>16'</u>	<u>3 1/2" x 7" x 16"</u>
8 <u>5/8</u>		<u>602</u>	Depth set
7 <u>5/8</u>		<u>1660</u>	<u>1930'</u>
5 <u>1/2</u>	<u>1750'</u>	<u>Pulled</u>	Perf. top
3 <u>1/2</u>		<u>3938</u>	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 212 FEET 60 INCHES
254 FEET 60 INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT Test 3 hrs. after acidized 38/10 W 2" 260 M; Test 8-27-57 - 38/10 W 1" 65 M
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water 217835 Feet Salt Water 975 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	14	Water @ 835'		2 bailers per hour
Sand			14	75			
Slate			75	81	Gas 933'	10/10 W 1" 33 M	
Sand			81	104	Gas 955'	14/10 W 1" 39 M	decreased to
Slate			104	150			8/10 W 1" 30 M @ 975'
Sand			150	185			
Slate			185	207			
Sand			207	212	Show gas 1773'		
Coal			212	217	Gas 1788'	40/10 W 2" 267 M	blew down to
Slate			217	254			24/10 W 1" 52 M @ 1865'
Coal			254	259	Gas 1876'	30/10 W 1" 58 M	blew down to
Slate			259	373			12/10 W 1" 37 M @ 2270'
Sand			373	409	Gas 2390'	24/10 W 1" 52 M	
Slate			409	417			
Sand			417	430	Test before acidized	26/10 W 1" 54 M	
Slate			430	556			
Sand			556	582			
Slate			582	645	Test before shot	10/10 W 1" 33 M	
Sand			645	690	Test 18 hours after shot	10/10 W 2" 133M	
Slate			690	755			
Sand			755	776			
Slate			776	790			
Sand			790	863			
Slate			863	875			
Salt Sand			875	913			
Slate			913	919			
Sand			919	1007			
Slate			1007	1045			
Lime Shale			1045	1090			



(over)

WR-38
DATE:

API # 47-045-0648-P

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE 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: Farley, James & Lottie Operator Well No.: 808545

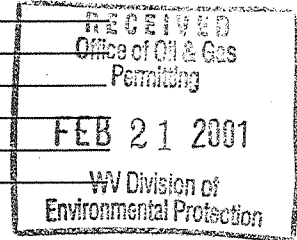
LOCATION: Elevation: 1167.08' Quadrangle: Chapmanville
District: Guyan County: Logan
Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Well Type: OIL _____ GAS X

Company: Columbia Natural Res. Coal Operator
P O Box 6070 or Owner
Charleston WV 25362

Agent: W.A Watson Jr. Coal Operator
or Owner

Permit Issued Date: 1/25/00



AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln ss:

Paul Stevens and Roger McComas 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 well operator, and participated in the work of plugging and filling the above well, and Offie Helmick Oil and Gas Inspector representing the Director, say that said work was commenced on the 3rd day of Dec., 2000 and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Gel Hole	Surface	4174'		
Cement	3940'	3825'		
Cement	2762'	2647'		
Pull 3-1/2"		2555'	2555'	1404'
Cement	2555'	2335'		
Pull 7"		815'	815'	858'
Cement	815'	568'		8-5/8" - 607'
Perforate 8-5/8"	259'-254' /	212'-117'		
Cement	270'	Surface		10-3/4" - 16'

8-5/8" stuc
would not
pull.
Perforated
coal seams

Description of monument: Erect monument with API # 47-045-0648-P and that the work of plugging and filling said well was completed on the 27th day of Dec., 2000.

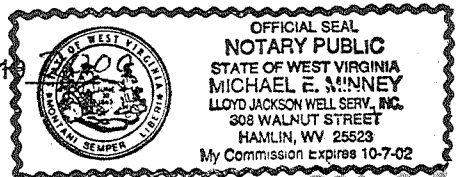
And further deponents saith not. Paul Stevens

Roger McComas

Sworn and subscribe before me this 28th day of December, 1900
My commission expires: 10-7-2002

Michael E. Minney
Notary Public

Oil and Gas Inspector: Offie Helmick 1/17/01



2/24/01

LOG 0648-P

FEB 23 2001