

2.84 S
2.37 W
6-C (L-9)

7.5' loc 1142101010
2745 37°55'
0.06 W 80°32'30"

New Location
Drill Deeper
Abandonment

Company DEEP ROCK OIL CORPORATION
 Address ATLAS BLDG., TULSA, OKLAHOMA.
 Farm BERTHA H. THORNBURY ET AL
 Tract _____ Acres 302 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 2420 *Cornstalk 7.5' quad*
 Quadrangle CLINTONVILLE 6 S281 W235-EC
 County GREENBRIER District WILLIAMSBURG
 Engineer _____
 Engineer's Registration No. 2074
 File No. _____ Drawing No. _____
 Date APRIL 12, 1951 Scale 1" = 1320'

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

WELL LOCATION MAP
FILE NO. GREENBRIER - 3

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

H-1 ✓ Deep Well

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 2

Clintonville

WELL RECORD

Permit No. GREENBRIER 3

Oil or Gas Well GAS
(KIND)

Company Deep Rock Oil Corporation
Address Atlas Life Building, Tulsa, Oklahoma
Farm Bertha Thornbury Acres _____
Location (waters) _____
Well No. 1 F-15590 Elev. 2420
District Willisburg County Greenbrier
The surface of tract is owned in fee by Bertha Thornbury
Address _____
Mineral rights are owned by Same
Address _____
Drilling commenced 4-26-51
Drilling completed 3-13-53
Date Shot _____ From _____ To _____
With See reverse side
Open Flow _____ /10ths Water in _____ Inch
21 /10ths Merc. in 2" Inch
Volume 713,000 Cu. Ft.
Rock Pressure 2350 lbs. 15 da. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 18' 1185' feet 1200' feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
18			
18 1/4" 33#	25'11"	25'11"	
10 3/4" 40#	742'11"	Pulled	Size of 5 3/8"
8 1/4" 24#	2309'11"	2309'11"	
5 7/8" 23#	3820'19"	3820'19"	Depth set 6326 1/2'
5 8/16" 17#	6404'14"	6404'14"	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
see reverse side
COAL WAS ENCOUNTERED AT None FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil			0	18	F. Water	18'	hole full
Sand			18	35			
Slate & Shells			35	129			
Gritty Lime			129	170			
Slate & Shells			170	231			
Sand			231	295			
Slate & Shells			295	330			
Lime			330	539			
Slate & Shells			539	755			
Sand			755	760			
Slate & Shells			760	782			
Sandy Lime			782	1072			
Slate & Lime			1072	1180			
Sandy Lime			1180	3855	F. Water	1185'	5-10" blr/hr.
Blue Slate	2286' SLM	2280' DLM	3855	3858	F. Water	1200'	hole full
Lime			3858	3868	Gas	2447'	Show
Slate			3868	3893	Gas	2900'	Show
Brown Shale			3893	3930	Gas	3900'	Show
Slate & Shells			3930	3984			
Shale			3984	4000			
Slate & Shells			4000	4116			
Slate			4116	4380			
Shale			4380	4435			
Slate			4435	4540			
Slate & Shells			4540	4760			
Slate & Shells			4760	4930			
Slate & Shells			4930	5680			
Shale			5680	5744			
Slate & Shells			5744	6046			
Slate & Shells			6046	6323			
Lime - Hard	6337' SLM	6318' DLM	6323	6429			
Sand			6429	6445			
Lime			6445	6468			
Sand			6468	6495			
Sandy Lime			6495	6511			
Sand			6511	6542			
Lime			6542	6725			
Sand			6725	6764			
Lime			6764	6948			



GEOLOG

Sand - Held
 Lime
 Sand - Salina
 Lime -
 Sand - Newburg (Geo-log)
 Lime
 Sand
 Lime

6948
 6968
 7272
 7311
 7380
 7450
 7452
 7454

6968
 7272
 7311
 7380
 7450
 7452
 7454
 7457'DIM

33

DEPTH, FEET ---
 TOTAL DEPTH SCHLUMBERGER ---

7457'
 7490'
 545

GAS PAYE:
 2900'
 3900'
 6343-48' 239 MCF
 6366-69' 281 MCF
 6372-77' 239 MCF
 6384-89' 253 MCF
 6402-04' 246 MCF
 6429-31' 253 MCF
 6484-86' 253 MCF
 6488-91' 253 MCF
 After acidizing
 6511-18' 539 MCF
 6524-27' 622 MCF
 6837-41' 641 MCF
 7158-63' 622 MCF
 7272-79' 660 MCF

Small show
 " "
 " "
 } On - Ha
 }
 } Or
 }
 } L. Held - u.s.l.

SHOT RECORD

- (1) 7083-7133' with 325# Gelatin with 2 qts. Glycerine
 - (2) 6365-7133' with 50# Gelatin (shell lodged)
 - (3) 7130-7133' with 70# Gelatin
 - (4) 7271-7133' with 16# Gelatin
 - (5) 7307-7133' with Gelatin
 - (6) 7317-7133' with 175# Gelatin
 - (7) 7343-7133' with 5 Qts. Glycerine
 - (8) 7370-7133' with 273# Gelatin
 - (9) 7230-7133' (shot put off by tools)
 - (10) 6990-7055' with 258# Gelatin (shot tools)
 - (11) 7042-7133' with 363# Gelatin
 - (12) 7047-7133' with 520 Qts. Glycerine
 - (13) 7365-7133' with 3" Gelatin
 - (14) 7360-7133' with 200# Gelatin
 - (15) 7358-7133' with 332 Qts. Glycerine
 - (16) 7386-7133' with 24 Qts. Glycerine
 - (17) 7383-7133' with 20 Qts. Glycerine
 - (18) 7412-7133' with 28 Qts. Glycerine
 - (19) 7397-7133' with 152 Qts. Glycerine
 - (20) 6480-7133' shot by Deep Rock with 246 Qts. Glycerine
 - (21) 6825-6963' with 86 Qts. Glycerine
 - (22) 6397-6970' with 214 Qts. Glycerine. Before shot 696 MCF
 - (23) 6340-6998' with 198 bullets by Schlumberger. Before shot and after shot 746 MCF
- Last 4 shots were to increase production. First 19 shots were to straighten hole.

WLMP 7380-7450

6323
 2420

 -3903

6429
 2420

 -4009

ACIDIZING RECORD

- 5-19-52 Acidized formation between 6326' and 6495' with 1000 gallons 10% acid. Went in at 350# - displaced with 1200 gallons water 2 hrs. after acidizing 253,000 cu-ft.
- 5-21-52 Re-acidized with 3000 gal. 15% acid - displaced with 1300 gal. water - went in at 350# - 2 hrs. open flow 516,000 cu-ft.
- 5-27-52 Ran 1000 gallons Methanol to help liberate spent acid from formation between 6326' and 6495' - displaced with 1200 gallons water - pumped in at 500# - open flow 539 MCF.

on-hand Hunter or.

Date May 13, 1957

APPROVED _____, Owner

C. Y. Van Buren, Vice President

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: Melara, Frank & Bertha Operator Well No.: Thornbury #1

LOCATION: Elevation: 2420' Quadrangle: Cornstalk 7.5
District: Williamsburg County: Greenbrier
Latitude: 14475 Feet South of 37 Deg. 52 Min. 36.7 Sec.
Longitude: 300 Feet West of 80 Deg. 32 Min. 33.7 Sec.

Well Type: OIL _____ GAS X

Company: Cabot Oil & Gas
400 Fairway Drive Suite 400
Coraopolis, Pa. 15108-4308

Coal Operator
or Owner _____

Coal Operator
or Owner _____

Agent: Bill Shreve

Permit Issued Date: 11/27/00

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Roane ss:

Bill Shreve and David Franck 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 Rodney Dillon Oil and Gas Inspector representing the Director, say that said work was commenced on the 27th day of November, 2000, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cavings	7465'	7172'		
Cement	7172'	6200'	6300' of 2" Tubing	94'-2" Tubing
6% Gel	6200'	3900'	3900' of 5 1/2" Casing	2502'-5 1/2" Casing
Cement	3900'	3800'		
6% Gel	3800'	2507'	2507' of 7" Casing	1314'-7" Casing
Cement	2507'	2250'	NONE of 8 5/8" Casing	2309'-8 5/8" Casing
6% Gel	2250'	100'	NONE of 14" Casing	25'-14" Casing
Cement	100'	Surface		

Description of monument: 5 1/2" Casing with Company-Date-API# and that the work of plugging and filling said well was completed on the 3rd day of December, 19 2000

Handwritten signature 11/26/01

And further deponents saith not.

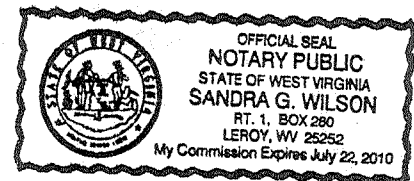
Bill Shreve
David Franck

JAN 26 2001

Sworn and subscribe before me this 4th day of December, 19 2000
My commission expires: 7/22/10

Sandra G. Wilson
Notary Public

Oil and Gas Inspector: Rodney Dillon



GAE 0003-P