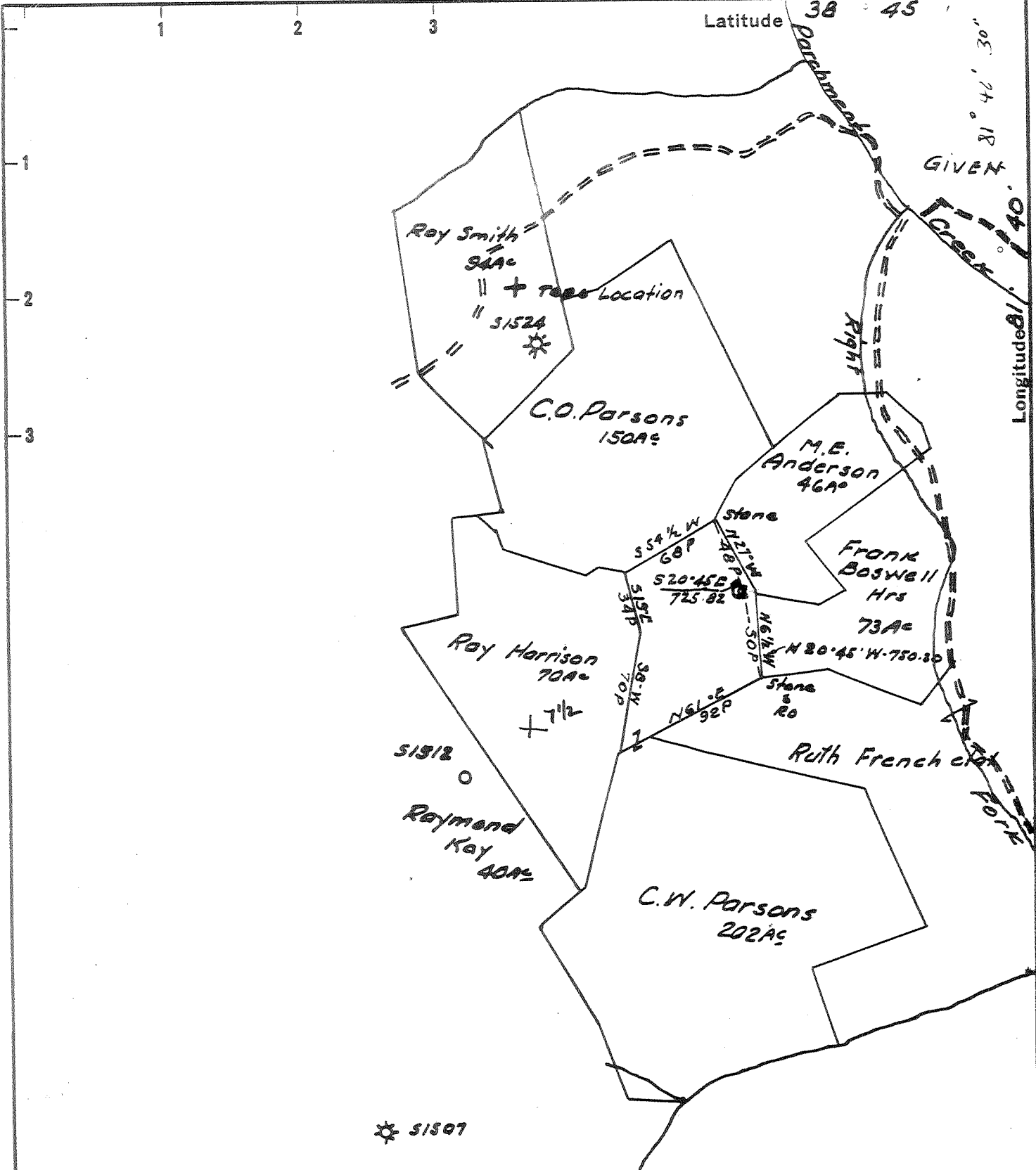


8300



- New Location
- Drill Deeper
- Abandonment

Cabot Oil & Gas Co. of W.Va.
 P.O. Box 454 - Glasgow, WVa. 25086
 Surface: Mildred H. Parsons

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

WELL LOCATION MAP
 FILE NO. JAC-1030-Frac.

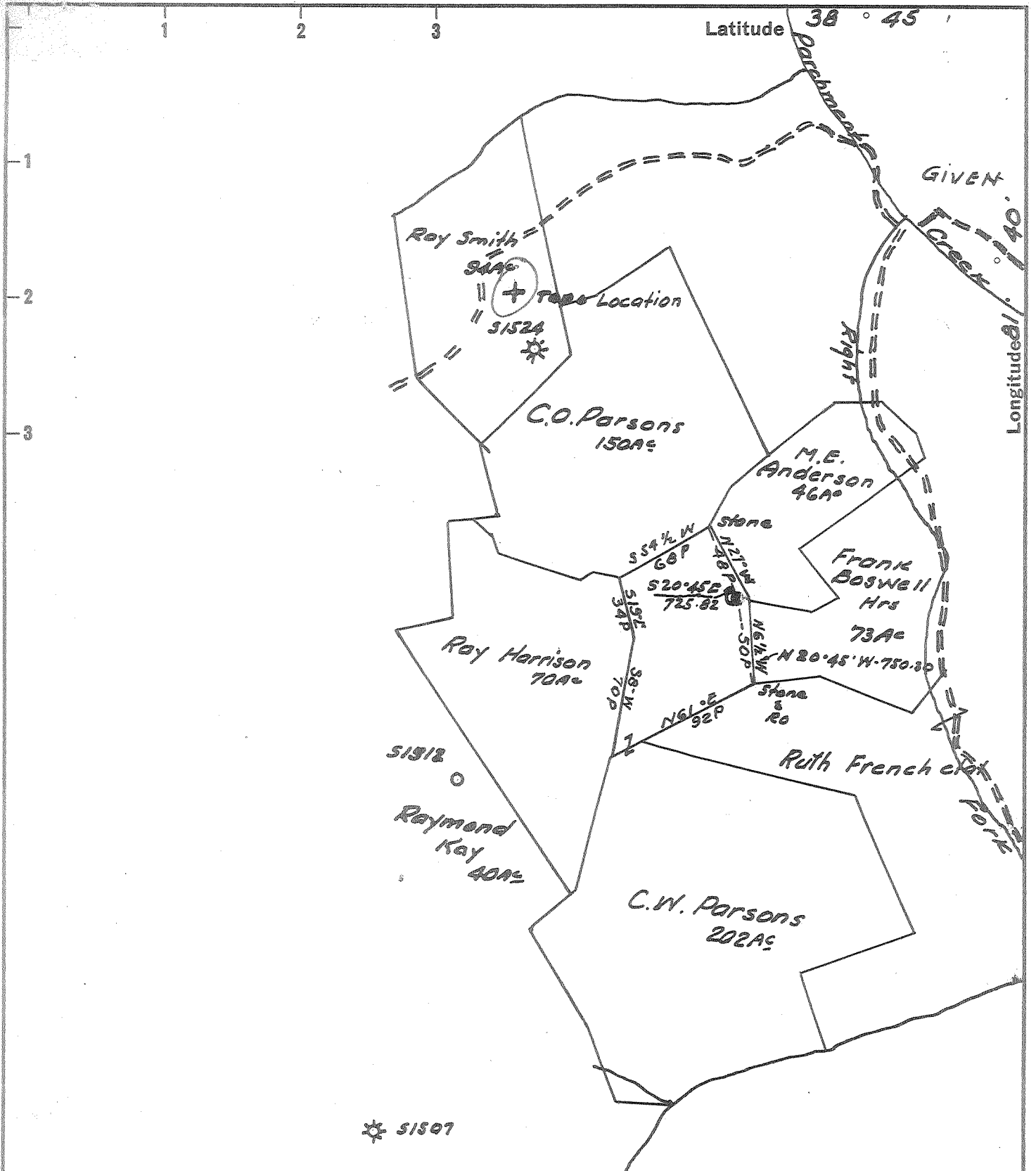
Tract _____ Acres 43 Lease No. 3-1087
 Well (Farm) No. 1 Serial No. 1531
 Elevation (Spirit Level) 955.71
 Quadrangle Tenna NW
 County Jackson District Ripley
 Engineer Ray Boston
 Engineer's Registration No. 3204
 File No. _____ Drawing No. _____
 Date 10-30-61 Scale 1" = 1320'

+ 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.

JUL 15 1965

+7-035



New Location
 Drill Deeper
 Abandonment

2.09-S
~~2.06-S~~
~~3.78-W~~
 3.72-W
 3 WC (I-52)

Company Cabot Corporation
 Address Box 1473 Charleston W.Va
 Farm C.W. Parsons et al (Unit W.V. 92)
 Tract _____ Acres 43 Lease No. 3-1087
 Well (Farm) No. 1 Serial No. 1531
 Elevation (Spirit Level) 955.71
 Quadrangle Kenna-NW
 County Jackson District Ripley
 Engineer Ray Boston
 Engineer's Registration No. 3204
 File No. _____ Drawing No. _____
 Date 10-30-61 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. JAC-1030

+ 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 66 ~~11~~ (192) OK. Deep Well

RECEIVED
AUG 7 1985



State of West Virginia
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
Department of Mines
Oil and Gas Division

Date August 5, 1985
Operator's
Well No. #1
Farm C. W. Parsons
API No. 47 - 035 - 1030 FRAC

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas x / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production x / Underground Storage ___ / Deep ___ / Shallow x /)

LOCATION: Elevation: 955' Watershed Wolf Creek
District: Ripley County Jackson Quadrangle Kenna 7 1/2'

COMPANY Cabot Oil & Gas Corp. of W.V.
ADDRESS P.O. Box 454, Glasgow, W.V. 25086
DESIGNATED AGENT Robert E. Horrell
ADDRESS P.O. Box 454, Glasgow, W.V. 25086
SURFACE OWNER See Attached Sheet
ADDRESS _____
MINERAL RIGHTS OWNER Mildred H. Parsons
ADDRESS Given, West Virginia 25245
OIL AND GAS INSPECTOR FOR THIS WORK Jerry
Taphabock ADDRESS Rt. 1, Box 101-A
PERMIT ISSUED June 4, 1985 Ripley, W.V. 25271
WORKOVER COMMENCED July 9, 1985
WORKOVER COMPLETED July 22, 1985
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7			
5 1/2	squeeze	cemented	4452'-3856'
4 1/2			
3			
2	Pulled Ran	5129' 4347.53'	w/seating nipple @ 4337'
Liners used			

GEOLOGICAL TARGET FORMATION Huron Shale Depth 4154-4362' feet
Depth of completed well PBTD=4423 feet Rotary ___ / Cable Tools ___
Water strata depth: Fresh ___ feet; Salt ___ feet
Coal seam depths: _____ Is coal being mined in the area? ___

OPEN FLOW DATA

Producing formation Huron Shale Pay zone depth 4152-4362 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Ebl/d
4 hr. Final open flow (327) Mcf/d Final open flow _____ Ebl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 930 psig (surface measurement) after _____ hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Ebl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Ebl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

AUG 19 1985

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

7/09/85 - MIRU Pool Well Service. Pulled 2-3/8" tubing. Set 5-1/2" cast iron BP @ 5050'. Dump 2 sks Cal-seal on plug. Ran G/R & Pipe Recovery logs from 5030'-2000'. Shot squeeze perf in 5-1/2" csg @ 4450'-4452'. Ran 140 jts 2-7/8" tbg w/Howco EZSV 5-1/2" cmt retainer. Set retainer @ 4423.02'. R/U B.J. Titan. Squeeze 5-1/2" w/100 sks 50/50 Poz, 10% salt, 3/4 of 1% friction reducer. Ran G/R & Sonic Seismogram logs from 4408'-4000'. Poor bond. Perf to squeeze from 4206'-4208'. R/U Howco. Bull-head squeezed Huron shale w/75 sks 50/50 Poz, 10% salt & 3/4% CFR-2, 5# Gilsonite/sk. Ran G/R & Sonic Seismogram logs from 4106'-3750'. TOC 3856'. Drilled out cement. Perf Huron from 4154', 4171', 4194', 4198', 4227', 4242', 4251', 4264', 4270', 4272', 4280', 4288', 4296', 4302', 4316', 4319', 4331', 4358', 4362'. Total 19 holes. Ran 129 jts 2-7/8" tbg w/Howco RTTS pkrs to 4048.05'. R/U B.J. Titan, pumped 500 gals 15% HCL. B/D Huron @ 3360 psi, pumped 1,000,000 Scf/N₂ @ 40,000 Scf/min, ATP w/N₂ 3420 psi. ISIP, 1400 psi. Pumped 8,000 gals 90 Q foam pad. Treated w/300 sks 20/40 sand, max 1-1/2#/gal. ATP 3450 psi. **WELL LOG** AIR 30 PBM 90 Q foam. Total N₂ 355,500 Scf @ 13,500 Scf/min w/3BPM treated H₂O. T/F 87 bbls, S/L 63 bbls.

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
ISIP 930 psi, 15 min 780 psi, Ran 137 jts 2-3/8" 4.6#/ft 10Rd Seating nipple @ 4337.53' GL. 930 psi (Huron Shale). 4 hr O/F.			release thru 1/4" choke. 10Rd tbg w/seating nipple & Ran 2-3/8" broach. 60/10 H ₂ O thru 2" =	4423'	Pulled 2-7/8" tubing & packer. 1 perf jt set @ 4347.53' GL. 7/31/85 - Tstd 7/31/85. SICP & SITP = 327 Mcf/d.
✓ Plugged back Oriskany			PBTD		
See Attached Original Well Record.					

(Attach separate sheets as necessary)

Cabot Oil & Gas Corp. of W.V.
Well Operator
By: Robert E. Howell
District Production Superintendent
Date: August 5, 1985

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including soil, encountered in the drilling of a well."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 12

Quadrangle KENNA

Permit No. JAC-1030

WELL RECORD

Oil or Gas Well EGAS
(KIND)

Company Cabot Corporation
Address Charleston, West Virginia
Farm C.W.Parsons et al Acres 43
Location (waters) _____
Well No. 1, Serial 1531 Elev. 956
District Ripley County Jackson
The surface of tract is owned in fee by C. W. Parsons
Address Given, W. Va.
Mineral rights are owned by C. W. Parsons
Address Given, W. Va.
Drilling commenced December 9, 1961
Drilling completed April 24, 1962
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 400,000 Cu. Ft.
Rock Pressure 1460 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	140	140	
10	1530	1530	Size of
8 1/4	2288	2288	
5 1/2"	5100	5100	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

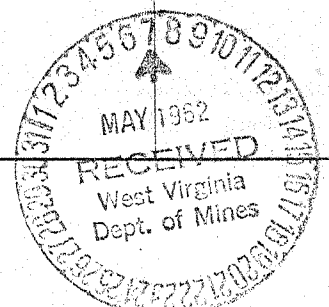
CASING CEMENTED 5 1/2" SIZE No. Ft. _____ Date _____
Cemented with 46 sacks.
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED with 32,400 gallons of water and 24,000# of sand. Open flow before fracture 353 Mcf. After blowing 20 hours, open flow 3,723 Mcf. / 20 hrs.

RESULT AFTER TREATMENT
ROCK PRESSURE AFTER TREATMENT
Fresh Water 1285 Feet Salt Water 1468, 1768 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	10			
Red Rock and Sand			10	930			
Shale			930	950			
Sand			950	985			
Red Rock			985	1007			
Sand			1007	1033			
Shale			1033	1052			
Sand			1052	1073			
Slate & Shell			1073	1112			
Sand			1112	1137			
Shale			1137	1183			
Lime			1183	1210			
Shale			1210	1224			
Sand - <u>Big Dunkard?</u>			1224	1309	Water	1285	1 blr./hr.
Shale			1309	1341			
Sand			1341	1519	Water	1468	10 blrs./hr.
Slate & Shell			1519	1590			
Sand			1590	1671			
Slate & Shell			1671	1730			
Salt Sand			1730	2002	Water	1768	Hole full.
BIG LIME			2002	2126			
INJUN - 90			2126	2280	Gas	2160	
Slate & Shell			2280	2640	Gas	2630	Show.
Lime - <u>Beard Horizon</u>			2640	2679			
Slate & Shell - <u>11 feet deep and up</u>			2679	3814			
Brown Shale			3814	3830			
Slate & Shell			3830	4180			
Brown Shale			4180	4201			
Slate & Shell			4201	4250			

(over)



Formation	Color	Hard or Soft	Top ¹²	Bottom	Oil, Gas or Water	Depth Found	Remarks
Brown Shale			4250	4380			
Slate & Shell			4380	4780			
Brown Shale			4780	5006			
Black Shale			5006	5022			
CORNHURST			5022	5117			
ORISKANY			5117		Gas	5124-29	100 Mcf
TOTAL DEPTH				5131		①	
				475			
				5022	5117		
				956	956		
				4066	4161		

Date May 4, 19 62

APPROVED CABOT CORPORATION, Owner

By _____
Gen. Supt. (Title)



1) Date: June 4, 19 85
 2) Operator's Well No. C. W. Parson #1
 3) API Well No. 47 035 1030
 State County Permit

RECEIVED
 JUN 05 1985

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: Oil / Gas / Production / Underground storage _____ / Deep _____ / Shallow /
- 5) LOCATION: Elevation: 955' / Watershed: Wolf Creek
 District: Ripley 3 / County: Jackson / Quadrangle: Kenna 7 1/2' 412
- 6) WELL OPERATOR: Cabot Oil & Gas of W.V. / 7) DESIGNATED AGENT: Robert E. Horrell
 Address: P.O. Box 454 / Address: P.O. Box 454
Glasgow, W.V. 25086 / Glasgow, W.V. 25086
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Jerry Taphabock / 9) DRILLING CONTRACTOR: Name: _____
 Address: Route 1, Box 101-A / Address: _____
Ripley, W.V. 25271
- 10) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) Plug back Oriskany
- 11) GEOLOGICAL TARGET FORMATION: Huron Shale 401
 12) Estimated depth of completed well, 4400 feet
 13) Approximate strata depths: Fresh, N/R feet; salt, 1285, 1468 feet.
 14) Approximate coal seam depths: N/R Is coal being mined in the area? Yes _____ / No _____
- 15) CASING AND TUBING PROGRAM WORKOVER

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		NONE	
Conductor	13		48			Existing	140		Kinds	
Fresh water										
Coal	10		35.75			"	1530	On shoe	Sizes	
Intermediate	8		24			"	2288	"		
Production	5 1/2		17			"	5100	46 sks	Depths set	
Tubing	2					To be pulled				
Liners									Perforations:	
Tubing	1 1/2"		2.75	X		Proposed	4300		Top	Bottom

- (1) Set 5 1/2" cast iron bridge plug & 2 sks Cal-seal @ 5050'
 (2) Set cement retainer @ 4400' and squeeze cement 5 1/2" casing 4450'-3800'.

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-035-1030 Frac Date June 28 19 85

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires June 28, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:
30	AIB	MH MH		14705

Margaret J. Hase
 Administrator, Office of Oil and Gas