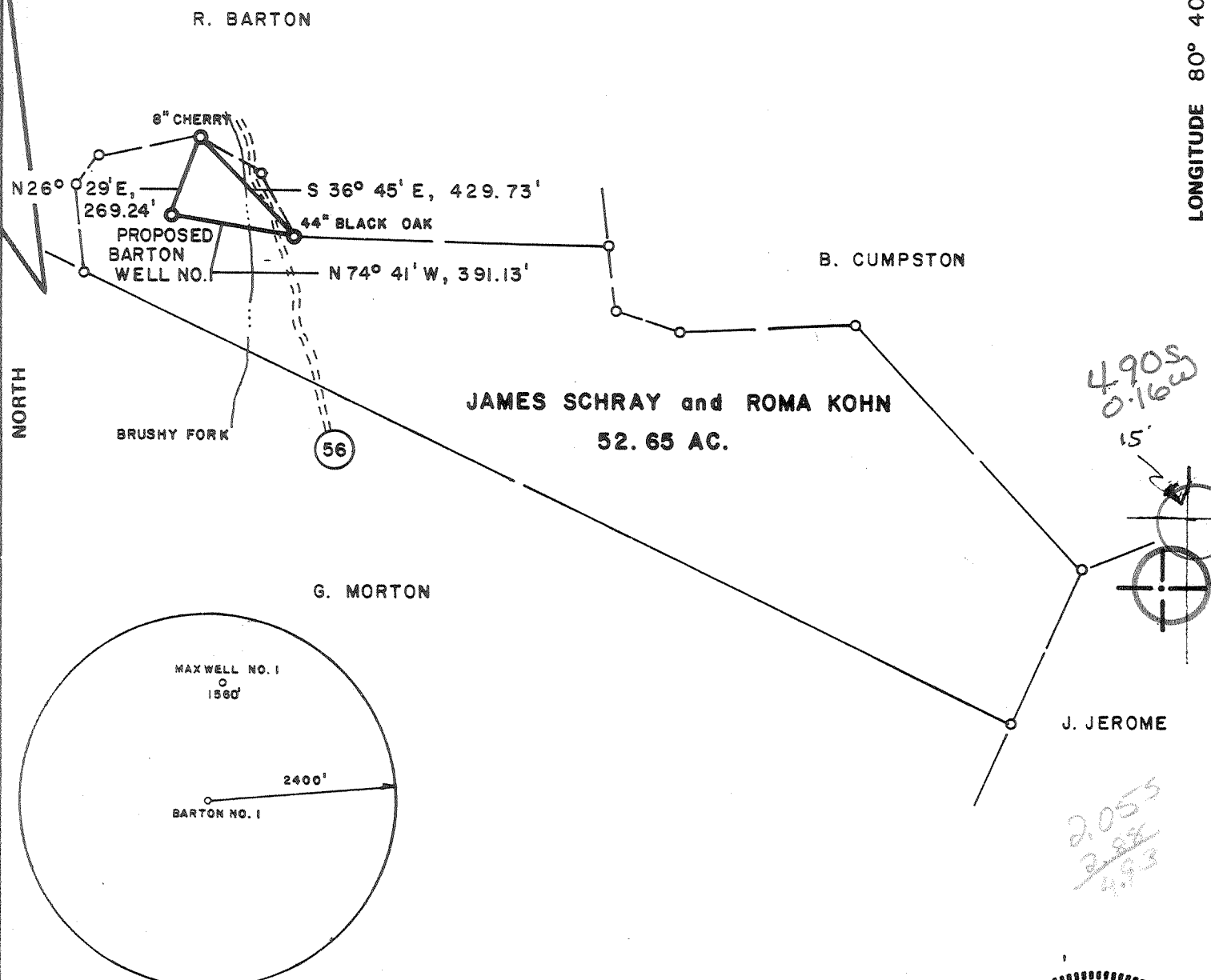


BARTON WELL NO. 1

LATITUDE 39° 12' 30"
39° 15'

LONGITUDE 80° 40' 00"

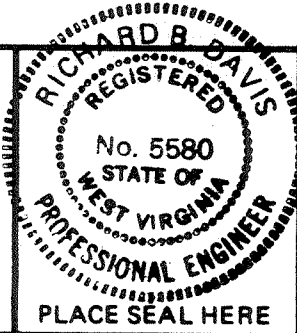


4905
0-162

2053
2/84
4/93

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION EL. 880

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 MINES.
 (SIGNED) Richard B. Davis
 R.P.E. 5580 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JUNE 7, 19 82
 OPERATOR'S WELL NO. BARTON NO. 1
 API WELL NO. _____
 47 - 017 - 3109
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 972 WATERSHED BRUSHY FORK of MEATHOUSE FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5 MINUTE Wadis 15' NW
 SURFACE OWNER JAMES SCHRAY and ROMA KOHN ACREAGE 52.65
 OIL & GAS ROYALTY OWNER RUSSELL BARTON, et. ux. LEASE ACREAGE 52.65
 LEASE NO. 49-0260
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BENSON ESTIMATED DEPTH 5200' 6-6 New Milton South (307)
 WELL OPERATOR SWIFT ENERGY COMPANY DESIGNATED AGENT TIM BENNETT
 ADDRESS P. O. BOX 1933 ADDRESS P. O. BOX 1933
 CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

JUL 12 1982



IV-35
(Rev 8-81)

RECEIVED

JAN 31 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date October 18, 1982

Operator's
Well No. Barton #1

Farm _____

API No. 47 - 017 - 3109

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

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

LOCATION: Elevation: 972 Watershed Brushy Fork of Meathouse Fork

District: New Milton County Doddridge Quadrangle 7.5'

COMPANY SWIFT ENERGY COMPANY

ADDRESS Clarksburg

DESIGNATED AGENT Tim Bennett

ADDRESS P. O. Box 1933, Clarksburg, WV 26301

SURFACE OWNER James Shray & Roma Kohn

ADDRESS Rt. 1, Box 218, New Milton, WV 26411

MINERAL RIGHTS OWNER Russell Barton, et ux.

ADDRESS Rt. 1, Box 216, New Milton, WV 26411

OIL AND GAS INSPECTOR FOR THIS WORK Steven

Casey ADDRESS Rt. 2, Box 232D, Jane Lew, WV 26378

PERMIT ISSUED June 23, 1982

DRILLING COMMENCED July 13, 1982

DRILLING COMPLETED September 17, 1982

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	1728'	1728'	400
7			
5 1/2			
4 1/2		5650'	400
3			
2 3/8"		5529'	
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5200 feet

Depth of completed well 5900 feet Rotary X / Cable Tools _____

Water strata depth: Fresh 600'; 2165' feet; Salt _____ feet

Coal seam depths: _____ Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation *1st, 2nd & 3rd Elk Pay zone depth 5400 feet

Gas: Initial open flow N/A Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 326 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 2 1/2 hours

Static rock pressure 1000 psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)

Second producing formation *Benson Pay zone depth 5000 feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

*Gas from formations co-mingled.

FEB 14 1983

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
 8/25/82 = 3rd Elk - 5491'-5498' - 10,000 #80-100 SD, 32,500 #20-40 SD, 500 GA, 500 BGW.
 2nd Elk - 5365'-5374', 10,000 #80-100 SD, 32,500 #20-40 SD, 500 GA, 500 BGW.
 alex. 1st Elk - 5300'-5315', 10,000 #80-100 SD, 32,500 #20-40 SD, 500 GA, 500 BGW.
 Benson - 5002'-5008', 4,000 #80-100 SD, 12,000 #20-40 SD, 500 GA, 300 BGW.

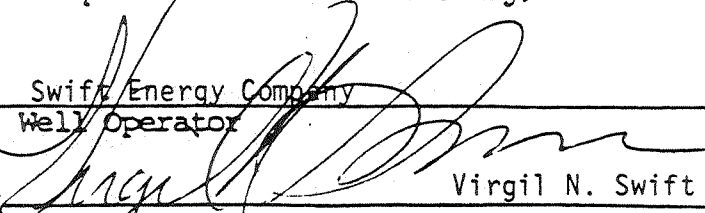
WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Shale			0	20	
Sand			20	25	
Shale			25	130	
Sand			130	135	
Shale			135	160	
Sand			160	170	
Sand + shale			170	200	
Shale			200	210	
Sand			210	240	
Shale + red rock			240	273	
Sand			273	288	
Red rock + shale			288	335	
Sand + shale			335	345	
Shale			345	420	
Sand + shale			420	439	
Shale			439	492	
Sand			492	497	
Shale + sand			497	512	
Shale			512	535	
Sand + shale			535	810	Wet at 600'
Shale			810	1188	
Sand + shale			1188	1211	
Shale			1211	1968	
Lime + shale			1968	2081	
Lime			2081	2164	
Sand (Big Injun)			2164	2228	Wet at 2165'
Sand			2228	2439	
Sand + shale			2439	2508	
Sand (Gantz)			2508	2528	
Sand + shale			2528	2872	
Sand (Gordon)			2872	2900	
Sand + shale			2900	4462	
Sand (Riley) + shale			4462	5001	
Sand (Benson)			5001	5036	
Sand + shale			5036	5297	
Sand + shale (Alexander)			5297	5390	
Shale + sand			5390	5841	

Gravel @ TD.

TD. 5900

(Attach separate sheets as necessary)

Swift Energy Company
 Well Operator
 By: 
 Virgil N. Swift
 Date: 1-24-83

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 coal, encountered in the drilling of a well."

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) UNKNOWN
Address _____

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 5200 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 100 feet; salt, 000 feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	Used	For drilling	Left in well	Top		Bottom	
Conductor	11 $\frac{3}{4}$				X	150'	150'	CTS		Kinds
Fresh Water										
Coal										Sizes
Intermediate	8 $\frac{5}{8}$	J-55			X		1200	To Surface		
Production	4 1/2	J-55			X		5200	520 sks.		Depths set
Tubing										
Liners										Perforations:
										Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 3-2-83.

BY Fred Brundage

[Handwritten signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____

Its _____