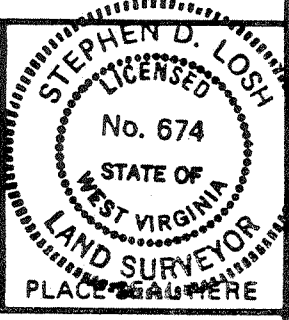


4.345
2.500
2.380

1.50
1.50
2.38
4.38
1.15
2.38
2.38

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION BM ELEV. - 885'

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) Stephen D. Losh
R.P.E. _____ L.L.S. 674



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE AUGUST 3, 19 82
OPERATOR'S WELL NO. COX NO. 1
API WELL NO. 47-017-3131
STATE 47 COUNTY 017 PERMIT 3131

(+) 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 886' WATER SHED BEECH LICK FORK OF MEATHOUSE FORK
DISTRICT GREENBRIER COUNTY DODDRIDGE
QUADRANGLE NEW MILTON Charles 15' NC
SURFACE OWNER IRENE COX ACREAGE 24.25
OIL & GAS ROYALTY OWNER IRENE COX LEASE ACREAGE 82
LEASE NO. 49-0174
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 ELK ESTIMATED DEPTH 5300'
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

AUG 16 1982



RECEIVED

IV-35 (Rev 8-81)

JAN 31 1983

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date January 13, 1983 Operator's Well No. Cox #1 Farm API No. 47-017-3131

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: 886 Watershed Beech Lick Fork of Meathouse Fork District: Greenbriar County Doddridge Quadrangle New Milton

COMPANY Swift Energy Company ADDRESS P.O. Box 2201, Clarksburg, WV 26301 DESIGNATED AGENT Tim Bennett ADDRESS 737 Karl Street, Weston, WV 26452 SURFACE OWNER Irene Cox ADDRESS Rt. 3, Salem, WV 26426 MINERAL RIGHTS OWNER Irene Cox ADDRESS Rt. 3, Salem, WV 26426 OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey ADDRESS Rt. 2, Box 232-D, Jane Lew, WV 26378 PERMIT ISSUED 8-07-82 DRILLING COMMENCED 8-12-82 DRILLING COMPLETED 8-19-82

Table with 4 columns: Casing Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2 3/8, and Liners used.

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Elk Depth 5300 feet Depth of completed well 5728 feet Rotary XX / Cable Tools Water strata depth: Fresh 345 feet; Salt 960 feet Coal seam depths: 960 Is coal being mined in the area? No

OPEN FLOW DATA Producing formation Elk Pay zone depth 5101 feet Gas: Initial open flow N/A Mcf/d Oil: Initial open flow Final open flow 38 Mcf/d Final open flow Time of open flow between initial and final tests 4 hours Static rock pressure 1215 psig (surface measurement) after 12 hours shut in (If applicable due to multiple completion--)

Second producing formation Benson, Riley * Pay zone depth 4296 feet Gas: Initial open flow Mcf/d Oil: Initial open flow Final open flow Mcf/d Oil: Final open flow Time of open flow between initial and final tests hours Static rock pressure psig (surface measurement) after hours shut in

* Gas comingled from formations

FEB 14 1983

(Continue on reverse side)

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

9-21-82 2nd E1k - 5285'-89', 4000 # 80-100 Mesh SD, 12,000# 20-40 Mesh SD, 500 GA, 300 BGW.

~~alexander~~ 1st E1k - 5101'-5105', 5107'-5109', 5112'-5116', 400# 80-100 SD, 12,000# 20-40 SD, 500 GA, 300 BGW.

Benson - 4790'-94', 4000# 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
Top Soil			0	8	1" stream water at 345'
Shale & Sandstone			8	960	
Coal			960	964	Gas Check at 2311' 152 MCF
Shale & Sandstone			964	1895	Gas Check at 2742' 164 MCF
Big Lime			1895	1941	Gas Check at 3726' 152 MCF
Sandstone (Big Injun)			1941	2032	Gas Check at 3202' 277 MCF
Sandstone & Shale			2032	2504	Gas Check at 4044' 152 MCF
Sandstone (Gordon Stray)			2504	2522	Gas Check at 4681' 169 MCF
Sandstone & Shale			2522	4791	Gas Check at 5205' 175 MCF
Sandstone (Benson)			4791	4824	
Sandstone & Shale			4824	5394	
				TD	TD-5728 Brullier@TD

(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."



Date: August 4, 19 82

Operator's Well No. Cox No. 1

API Well No. 47 017 3131
State County Permit

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

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 886' Watershed: Beech Lick Fork of Meathouse Fork
District: Greenbrier County: Doddridge Quadrangle: New Milton 7.5'

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

OIL & GAS ROYALTY OWNER Irene Cox
Address Route 3
Salem, WV 26426
Acreage 82

COAL OPERATOR N/A
Address _____

SURFACE OWNER Irene Cox
Address Route 3
Salem, WV 26426
Acreage 24.25

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name NONE
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Steven Casey
Address Rt. 2, Box 232D
Jame Lew, WV 26378

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease other contract _____ / dated August 25, 19 81, to the undersigned well operator from Carl N. and Irene Cox to Clarence Mutschelknaus and assigned to applicant.
(If said deed, lease, or other contract has been recorded:)

Recorded on September 4, 19 81, in the office of the Clerk of the County Commission of Doddridge County, West Va., in Lease Book 121 at page 758. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ /
Plug off old formation _____ / Perforate new formation _____ /
Other physical change in well (specify) _____
—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

Swift Energy Company
Well Operator
By Tim Bennett
Its Designated Agent

(12-81)

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, Elk

Estimated depth of completed well, 5300 feet Rotary / Cable tools _____ /

Approximate water strata depths: Fresh, 170,2000, feet; salt, - feet.

Approximate coal seam depths: None ²⁵⁵⁰ Is coal being mined in the area? Yes _____ / No /

CASING AND TUBING PROGRAM

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			
Conductor	<u>11 3/4</u>				<input checked="" type="checkbox"/>	<u>30</u>				Kinds
Fresh Water										
Coal										Sizes
Intermediate	<u>8 5/8</u>	<u>J-55</u>			<input checked="" type="checkbox"/>		<u>2600</u>	<u>To surface</u>		
Production	<u>4 1/2</u>	<u>J-55</u>			<input checked="" type="checkbox"/>		<u>5300</u>	<u>550 Sks.</u>		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 THEREOF
APPROVED FOR drilling THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 4-7-83
BY [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 _____