

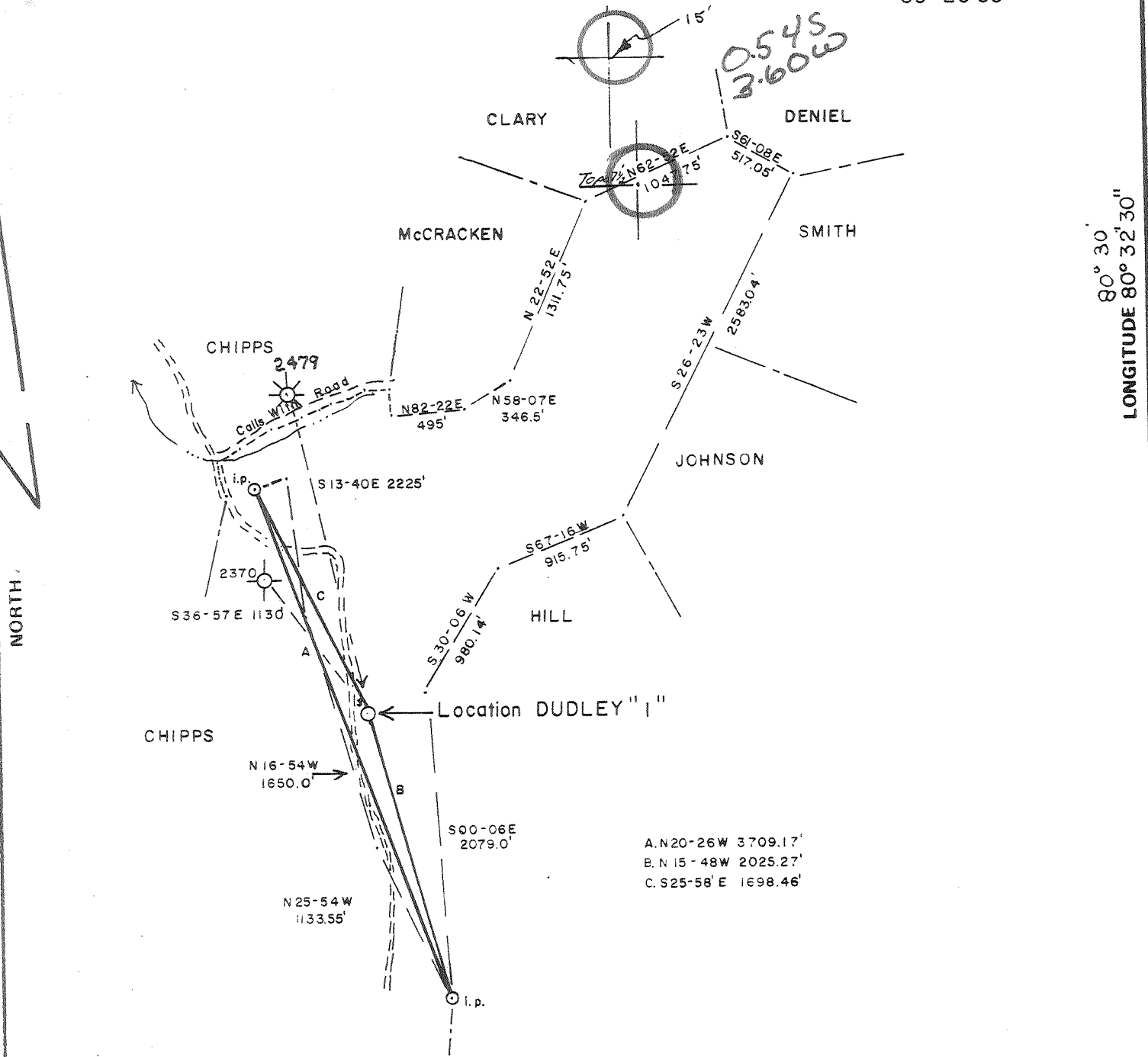
M. J. 9/20/82

6810

LATITUDE 39° 20' 00"

2800'

LONGITUDE 80° 30' 30"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BM 912' SW of location

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) David M. Owen
 R.P.E. _____ L.L.S. 743

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



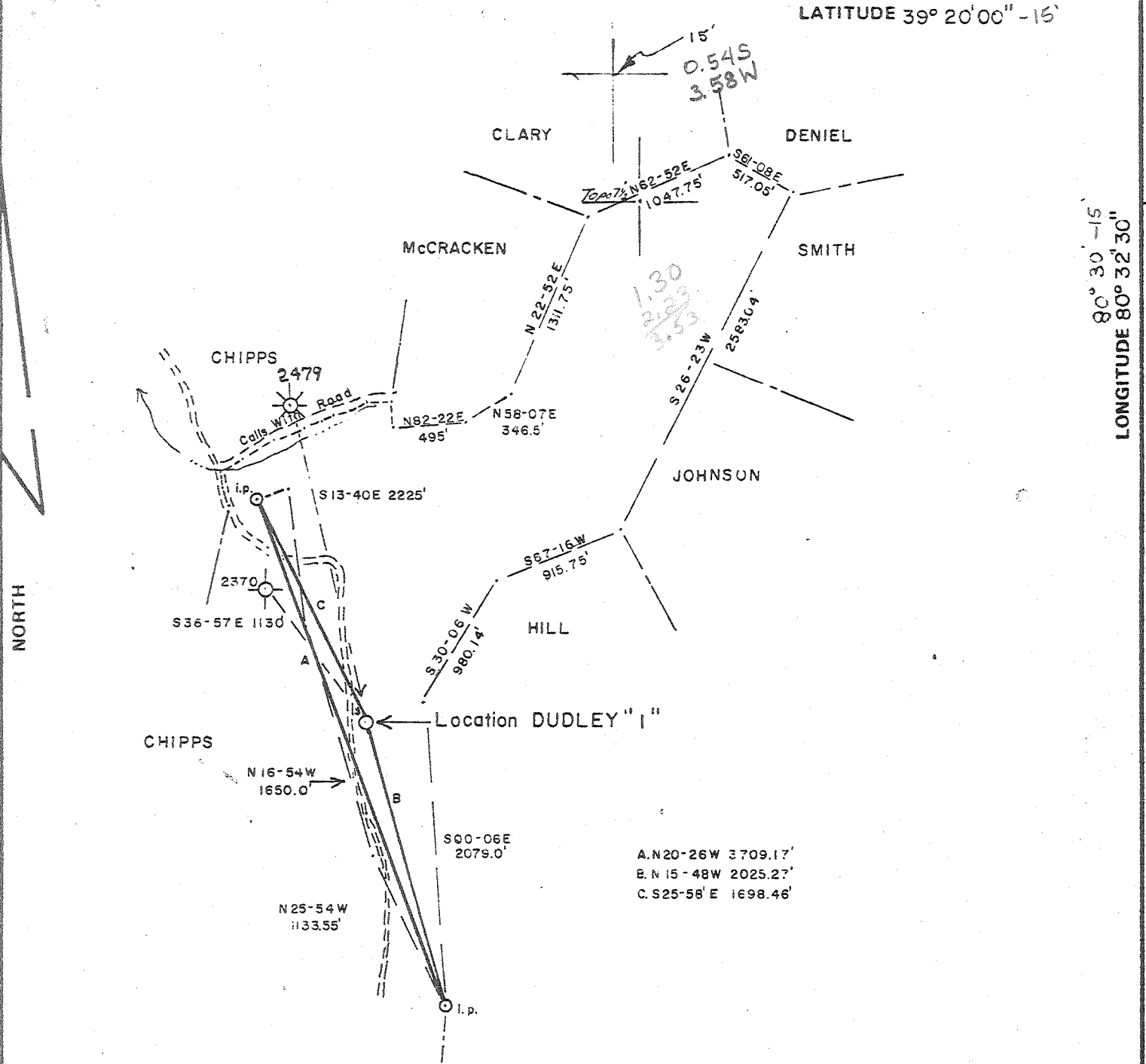
DATE AUG. 22, 19 82
 OPERATOR'S WELL NO. DUDLEY No. 1
 API WELL NO. _____
47 - 017 - 3143
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1180' WATER SHED Robinson Run
 DISTRICT McClelland COUNTY Doddridge
 QUADRANGLE Salem Centerpoint 15' E 5E
 SURFACE OWNER William R. Johnson ACREAGE 159
 OIL & GAS ROYALTY OWNER Edward C. Dudley LEASE ACREAGE 159
 LEASE NO. 49-0240
 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 E1k ESTIMATED DEPTH 5900
 WELL OPERATOR Swift Energy Co. DESIGNATED AGENT Tim Bennett
 ADDRESS P.O.B 1933 ADDRESS P.O.B 1933
Clarksburg WV 26301 Clarksburg WV 26301

SEP 28 1982



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 DRAWING NO. _____
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6-6 Salem (102)

AUG 22 1982

PROPOSED WORK ORDER

(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, 5900 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 150 feet; salt, 100-1000 feet.

Approximate coal seam depths: 250 Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	11 3/4				X	30'	30'	Circulate	Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8	K-55		X		1300'	1300'	To Surface	
Production	4 1/2	K-55		X		5900'	5900'	As Required	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 5-20-83
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 _____

RECEIVED

APR 10 1983



IV-35
(Rev 8-81)

DEPT. OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date April 6, 1983

Operator's
Well No. Dudley No. 1

Farm
API No. 47 - 017 - 3143

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: 1180 Watershed Robinson Run
District: McClelland County Doddridge Quadrangle Salem

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 William R. Johnson
ADDRESS Rt.1, Box 38, Bristol, WV 26332
MINERAL RIGHTS OWNER Edward Dudley
ADDRESS 511 Bohama Dr., Indian Harbor Beach,
OIL AND GAS INSPECTOR FOR THIS WORK
Steven Casey ADDRESS Rt.2, Jane Lew, WV
PERMIT ISSUED 9-20-82
DRILLING COMMENCED 10-20-82
DRILLING COMPLETED 10-26-82

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	1605	1605	415 sks
7			
5 1/2			
4 1/2		5405	200 sks
3			
2 3/8"		5238	
Liners used			

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

GEOLOGICAL TARGET FORMATION Elk Depth 5900 feet
Depth of completed well 5700 feet Rotary XX / Cable Tools
Water strata depth: Fresh 50 feet; Salt ___ feet
Coal seam depths: 698 Is coal being mined in the area No

OPEN FLOW DATA
Producing formation Benson Pay zone depth 5271-5278 feet
Gas: Initial open flow N/A Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow 440 Mcf/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1750 psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)
Second producing formation Riley * Pay zone depth 5188-5193 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 comingled from formations.

APR 25 1983

1052-3143

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

11-17-82 Benson - 5271-5278, 10,000# 80-100 SD, 20,000 SCF N₂, 32,500#
20-40 SD, 500 GA, 400 BW.

Lower Riley - 5188-5193, 10,000# 80-100 SD, 32,500# 20-40 SD, 20,000
SCF N₂, 500 GA, 400 BW.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sandstone & Shale			0	698	
Coal			698	702	
Sandstone & Shale			702	2183	
Limestone			2183	2276	
Sandstone (Big Injun)			2276	2389	
Sandstone & Shale			2389	3010	
Sandstone (Gordon)			3010	3048	
Sandstone & Shale			3048	3603	
Sandstone (Warren)			3603	3635	
Sandstone & Shale			3635	5264	
Sandstone (<u>Benson</u>)			5264	5277	
Sandstone & Shale			5277	<u>5466</u>	
				T.D.	

Gas check at 1644' no show

(Attach separate sheets as necessary)

SWIFT ENERGY COMPANY
Well Operator
By: James M. Kitterman James M. Kitterman - V.P.
Date: April 6, 1983 Drilling & Production

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."