



FILE NO. 80-823-R
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION EL. 859 N. 6500'
 FROM WELL SITE

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) John Robert Gales
 R.P.E. 5566 L.L.S. _____

PLACE SEAL HERE

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



DATE MAY 28, 19 82
 OPERATOR'S WELL NO. S-412
 API WELL NO. _____
47 - 017 - 3107
 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 ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1220 WATER SHED BIG FLINT
 DISTRICT GRANT COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7 1/2' Conte point 15MC
 SURFACE OWNER R. ASH ACREAGE 81.01
 OIL & GAS ROYALTY OWNER HOSKINSON - EVANS #2 (WV) LEASE ACREAGE 81.01 TOTAL UNIT
 LEASE NO. 208
 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 ALEXANDER BENSON ESTIMATED DEPTH 5500' - 5150'
 WELL OPERATOR JAMES F. SCOTT DESIGNATED AGENT DARREL WRIGHT
 ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112
SALEM, W. VA. 26426 SALEM, W. VA. 26426

JUL 06 1987



State of West Virginia
Department of Mines
Oil and Gas Division

Date Oct. 26, 1982
Operator's Well No. S-412
Farm Hoskinson-Evans # 2
API No. 47 - 017 - 3107

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: 1220 Watershed Big Flint
District: Grant County Doddridge Quadrangle Smithburg 7.5'

COMPANY James F. Scott

ADDRESS P.O. Box 112; Salem, WV 26426

DESIGNATED AGENT Darrel Wright

ADDRESS P.O. Box 112; Salem, WV 26426

SURFACE OWNER Randall B. Ash

ADDRESS Rt. 2 West Union, WV 26456

MINERAL RIGHTS OWNER Hoskinson-Evans et al

ADDRESS Rt. 2 Salem, WV 26426

OIL AND GAS INSPECTOR FOR THIS WORK Stephen

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

PERMIT ISSUED June 7, 1982

DRILLING COMMENCED Sept. 27, 1982

DRILLING COMPLETED Oct. 5, 1982

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

GEOLOGICAL TARGET FORMATION Benson-Alexander

Depth of completed well 5420 feet Rotary X / Cable Tools _____

Water strata depth: Fresh _____ feet; Salt 351 feet

Coal seam depths: NONE, Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Benson Pay zone depth 5377-5381 feet

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

Final open flow 260 Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 600 psig (surface measurement) after 12 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 _____ 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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	RECEIVED		
13-10"			
9 5/8	OIL AND GAS DIVISION WV DEPARTMENT OF MINES 1775		
8 5/8	to surface		
7			
5 1/2			
4 1/2		5420	650 sks.
3			
2			
Liners used			

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

Devonian Shale 80/100 Sand 10,000#
 20/50 Sand 25,000#
 523 Bbls. S/L Fluid

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sub Base			0	10	
Clay			10	15	
Sandy Shale			15	40	
Sand			40	106	½ " H2/O @ 351'
Sandy Shale			106	278	
Sand & Shale			278	351	
Shale			351	501	
Shale & Red Rock			501	891	
Sand & Shale			891	1812	
Shale			1822	1905	
Sand			1905	2072	
Little Lime			- 2072	2090	
Shale			2090	2121	
Red Rock			2121	2127	
Shale			2127	2142	
Lime			- 2142	2244	
Big Injun			2244	2300	
Sand & Shale			2300	5270	
<u>Benson</u>			- 5270	5280	
Sandy Shale			5280	5420 TD	

(Attach separate sheets as necessary)

James F. Scott
 Well Operator
 By: James F. Scott
 Date: Oct. 26, 1982

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 ..., encountered in the drilling of a well."

(Revised 3-81)

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 Alexander-Benson

Estimated depth of completed well 5500 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 370 feet; salt, 495 feet.
Approximate coal seam depths: unknown
Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling		
Conductor	11 3/4					30'		Kinds
Fresh water								
Coal								Sizes
Intermed.	8 5/8						400' 750'	to surface
Production	4 1/2					5500	450 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 2-22-83.

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:

W A I V E R

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 regularions.

Date: _____, 19____.

[Signature]

By: _____

Its: _____