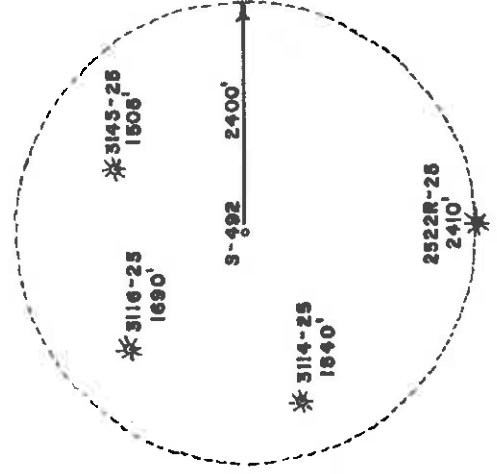
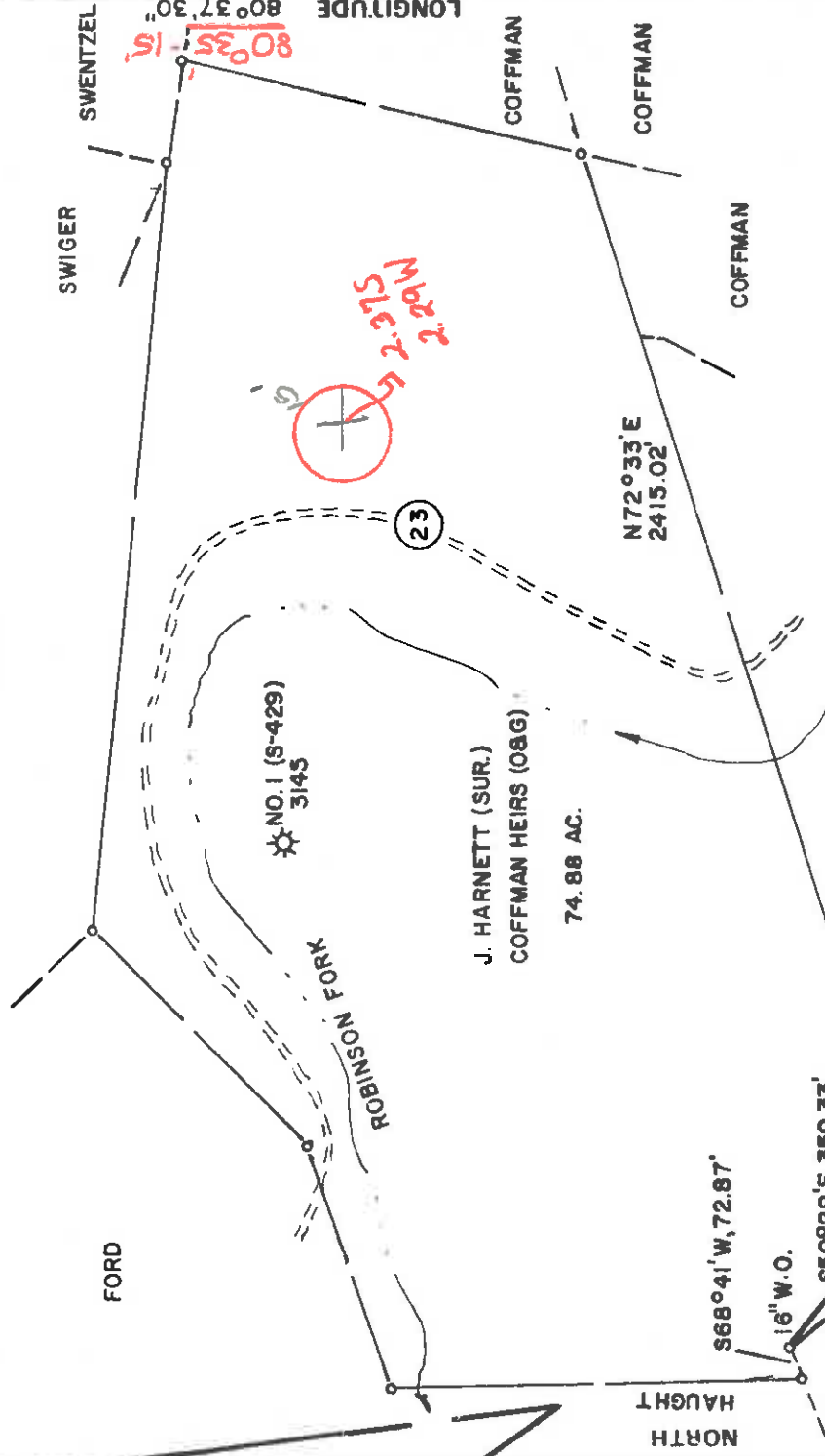


LATITUDE 39° 25' 00"

LONGITUDE 80° 37' 30"

FORD



2375
2065

PREPARED BY:

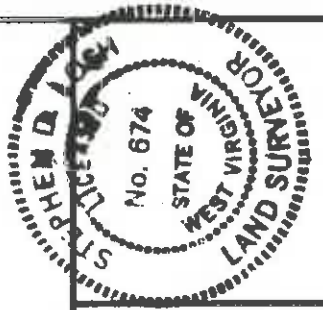
LAND SURVEYING SERVICES
RT. 2, BOX 215E
JANE LEW, WV 26378
PHONE: 304-745-4426

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION EXIST. WELL NO. 3145
ELEV. - 793'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

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.S. 674
STEPHEN D. LOSH



PLACE SEAL HERE



DATE AUGUST 22, 19 83
OPERATOR'S WELL NO. S-492
API WELL NO. 47-017-3254

STATE _____ COUNTY _____ PERMIT _____

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION 1128' WATER SHED BIG BATTLE RUN

DISTRICT MC CLELLAN COUNTY DODDRIDGE
QUADRANGLE CENTER POINT 7.5 min. 8151C
SURFACE OWNER JOHN HARNETT ACRES 74.88
OIL & GAS ROYALTY OWNER COFFMAN HEIRS LEASE ACRES 97
LEASE NO. 1511

PROPOSED WORK: DRILL 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 _____ ESTIMATED DEPTH 5400'
TARGET FORMATION BENSON
WELL OPERATOR JAMES F. SCOTT DESIGNATED AGENT DARREL WRIGHT
ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112
SALEM, WV 26426 SALEM, WV 26426 SPD-Maxon

OCT 3 1983



IV-35
(Rev 8-81)

Date January 9, 1984
Operator's Well No. S-492
Farm Coffman Heirs #2
API No. 47 - 017 - 3254

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

RECEIVED
JAN 11 1984

OIL & GAS DIVISION

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

LOCATION: Elevation: 1128 Watershed Big Battle Run
District: McClellan County Doddridge Quadrangle Center Point

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 Mike Harnett
ADDRESS Route 2, Salem, WV 26426
MINERAL RIGHTS OWNER L. B. Coffman et al
ADDRESS Route 2, Salem, WV 26426
OIL AND GAS INSPECTOR FOR THIS WORK Stephen
Casey ADDRESS Route 2, Jane Lew
PERMIT ISSUED 9/27/83
DRILLING COMMENCED 11/8/83
DRILLING COMPLETED 11/16/83

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

Casing Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.	20'		
13-10"			
9 5/8			
8 5/8		870	to surface
7			
5 1/2			
4 1/2		2346	185 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Injun Depth 2000 feet
Depth of completed well 2346 feet Rotary / Cable Tools
Water strata depth: Fresh 734 feet; Salt - feet
Coal seam depths: 480-485,723-740 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Injun, Maxton Pay zone depth 2218-2230 feet
Gas: Initial open flow 600 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 1193 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 500# psig (surface measurement) after 72 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

See back

JAN 23 1984
(Continue on reverse side)

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

Injun	Perfs	2218-2230	Foam Frac	545 bb1
<u>Injun</u>	Perfs	<u>2150-2160</u>	Foam Frac	328 bb1
<u>Maxton</u>	Perfs	<u>1856-1872</u>	Foam Frac	544 bb1

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
GL			0	8	
Sand			8	95	
Sand & Shale			95	415	
Sand			415	480	
Coal			480	485	
Sand			485	540	
Red Rock			540	734	½" stream H ₂ O @ 734'
Coal			734	740	
Sand			740	919	
Shale			919	1170	
Sand			1170	1194	
Shale			1194	1220	
Sand			1220	1233	
Shale			1233	1506	
Sand			1506	1545	
Sand & Shale			1545	1657	
Sand			1657	1702	
Sand & Shale			1702	2020	Maxton
Little Lime			2020	2035	Little Lime
Sand & Shale			2035	2054	
Big Lime			2054	2150	Big Lime
Shale			2150	2156	
<u>Big Injun</u>			2156	2182	Injun
<u>Sand</u>			2182	2270	
Shale			2270	<u>2346TD</u>	

(Attach separate sheets as necessary)

James F. Scott

Well Operator

By:

James F. Scott

Date:

1/9/84

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 ^{mineral} encountered in the drilling of a well."



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

- 4) WELL TYPE: A Oil Gas B (If "Gas", Production Underground storage Deep Shallow
 5) LOCATION: Elevation: 1126 Watershed: Big Battle Run
 District: McClellan County: Doddridge Quadrangle: Center Point 7.5
 6) WELL OPERATOR: James F. Scott 7) DESIGNATED AGENT: Darrel Wright
 Address: P. O. Box 112 Address: P. O. Box 112
Salem, WV 26426 Address: Salem, WV 26426
 8) OIL & GAS INSPECTOR TO BE NOTIFIED: 9) DRILLING CONTRACTOR:
 Name: Stephen Casey Name: [Signature]
 Address: Route 2, Box 232-D Address: [Signature]
Jane Lew, WV
 10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 Other physical change in well (specify) Benson
 11) GEOLOGICAL TARGET FORMATION, Benson
 12) Estimated depth of completed well, 5400 feet
 13) Approximate trata depths: Fresh, feet; salt, feet.
 14) Approximate coal seam depths: 1090-1095 Is coal being mined in the area? Yes No

15) 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		
Conductor	11 3/4					30'	
Fresh water							
Coal							
Intermediate	8 5/8					1200	to surface
Production	4 1/2					5400	500 sks
Tubing							By Rule 5-05
Liners							Depths set
							Perforations:
							Top
							Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3254 Date September 27, 1983

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 September 27, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

BOND: **BLANKET BOND** Agent: [Signature] Plat: [Signature] Casing: [Signature] Fee: 1925

NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
Administrator, Office of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

