



FILE NO. _____
 DRAWING NO. Rev. 1
 SCALE 1" = 400
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Rd. junction Routes 24 & 24/1 ; Elevation - 1307.

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) [Signature]
 R.P.E. _____ L.L.S. GG9

PLACE SEAL HERE

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



DATE FEBRUARY 5 19 82
 OPERATOR'S WELL NO B-481
 API WELL NO 47-001-1706
 STATE 47 COUNTY 001 PERMIT 1706

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1515 WATER SHED TYGART VALLEY RIVER
 DISTRICT PHILIPPI COUNTY BARBOUR
 QUADRANGLE PHILIPPI - T 1/2 & 15' EC
 SURFACE OWNER [Signature] ACREAGE 47
 OIL & GAS ROYALTY OWNER MARIE GALL LEASE ACREAGE 91.66 of 213
 LEASE NO. 2127
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6-6 Tapered down 3 1/2"

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ELK SANDS ESTIMATED DEPTH 5100
 WELL OPERATOR J & J ENTERPRISES DESIGNATED AGENT BERRY ENERGY CONSULTANTS & MGRS, INC
 ADDRESS % BERRY ENERGY CONSULTANTS & MGRS, INC ADDRESS 11th FLOOR UNION NATIONAL BANK BLDG. P.O. Box 5, CLARKSBURG, WV 26301

MAR 29 1982

RECEIVED



IV-35 (Rev 8-81)

JUN - 4 1982

OIL AND GAS DIVISION State of West Virginia WV DEPARTMENT OF MINES Department of Mines Oil and Gas Division

Date April 29, 1982 Operator's Well No. B-481 Farm Marie Gall API No. 47 - 001 - 1706

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: 1494' Watershed Tygarts Valley River District: Philippi County Barbour Quadrangle Philippi 7.5

COMPANY J & J Enterprise Inc. % Berry Energy Consultants & Mgrs.

ADDRESS P.O. Box 5, Clarksburg, WVa 26301

DESIGNATED AGENT SAME

ADDRESS SAME

SURFACE OWNER Marie Gall et al

ADDRESS P.O. Box 301, Philippi WV 26416

MINERAL RIGHTS OWNER SAME AS SURFACE

ADDRESS SAME

OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart

ADDRESS P.O. Box 345 Jane Lew, WVa. 26378

PERMIT ISSUED March 11, 1982

DRILLING COMMENCED 4-7-82

DRILLING COMPLETED 4-17-82

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

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 11-3/4, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Haverty Depth 5400' feet

Depth of completed well 5100 TD feet Rotary XX / Cable Tools

Water strata depth: Fresh 345' feet; Salt None feet

Coal seam depths: 120-123, 345-348 & 555-558' Is coal being mined in the area? XX

OPEN FLOW DATA 4th Elk 4783-4788' 2nd Elk 4529-4538' Producing formation 1st Elk Pay zone depth 4099-4150' feet

Gas: Initial open flow Trace Mcf/d Oil: Initial open flow N/A Bbl/d Final open flow 467,000 Mcf/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 1380# psig (surface measurement) after 14+ 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

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

FRACED: APRIL 28, 1982

1st Stage 4th Elk; 10,000,80/100.70,000,20/40 - 745 Bbls. Water
 2nd Stage 3rd Elk; 10,000,20/40,70,000,20/40 - 760 Bbls. Water
 3rd Stage 1st Elk; 10,000,20/40,60,000,20/40 - 633 Bbls. Water

PERFORATIONS: 4th Elk; 4783-4799 14 Holes
 3rd Elk; 4529-4538 14 Holes
 1st Elk; 4099-4150 12 Holes

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay & Fill			0	10	
Sand & Shale			10	50	Hole damp at 70'
Sand			50	120	
Coal			120	123	Coal
Sand & Shale			123	213	
Open Mine			213	218	
Sand & Shale			218	245	
Open Mine			245	255	
Sand & Shale			255	345	Water @ 345' - 1/2" Stream
Coal			345	348	Coal
Sand & Shale			348	555	
Coal			555	558	Coal
Sand			558	655	
Sand & Shale			655	790	
Red Rock			790	875	
Sand			875	965	
Sandy Shale			965	1070	
Lime & Injun			1070	1310	
Sandy Shale			1310	1430	
Gantz			1430	1530	Water @ 1465' Gantz 3" stream
Shale & Sand			1530	3600	
Benson			3600	3840	
Sand & Shale			3840	4060	
1st Elk			4060	4300	GAS CHECKS SHOW TRACE
Sand & Shale			4300	4350	
3rd Elk			4350	4400	
Sandy Shale			4400	5100 TD	

HAVERTY

(Attach separate sheets as necessary)

J & J Enterprise Inc. %

Berry Energy Consultants & Mgrs.

Well Operator

By: W B Berry

Date: 6/3/82

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) S.W. Jack Drilling Company

Address P.O. Box 48

Buckhannon, West Virginia 26201

GEOLOGICAL TARGET FORMATION Haverty
Estimated depth of completed well 5400' feet. Rotary XX / Cable tools /
Approximate water strata depths: Fresh, 140' & 1000 feet; salt, None feet.
Approximate coal seam depths: 100' & 140'
Is coal being mined in this area: Yes / No XX /

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For Drill-ling, Left in Well), CEMENT FILL UP OR SACKS (Cubic ft.), PACKERS (Kinds, Sizes, Depths set, 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 11-11-82

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 regulations.

Date: , 19 .

By: _____

Its: _____