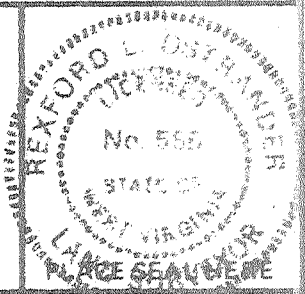


Note:
Refer to deed book 188/619
for boundary Desc.
Clayton Davis - 4th Tract

FILE NO. 410.01
DRAWING NO. JM-2
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION BM-826
Spot Hgt of location along W.Va. Sec. 24 74 (as shown)

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) Rafael S. Osterader
R.P.E. _____ L.L.S. 555



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
1" = 24000"
FORM IV-6
(8-78)



DATE 10 December, 19 79
OPERATOR'S WELL NO. DAVIS-2
API WELL NO. 47-085-4475
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 818' L WATER SHED North Fork Hughes River
DISTRICT Clay COUNTY Pitkin
QUADRANGLE Pennsboro, W.Va. WEST UNION 15' SW
SURFACE OWNER Clayton Davis ACREAGE 56.72
OIL & GAS ROYALTY OWNER Clayton Davis & others LEASE ACREAGE 56.72
LEASE NO. _____

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 Engin ESTIMATED DEPTH 2000' ±
WELL OPERATOR Delta Resources, Inc. DESIGNATED AGENT DANE BRADSHAW
ADDRESS Suite 205, 7030 S. Yale ADDRESS _____
Tulsa, Oklahoma 74136



RECEIVED
 Department of Energy
 JUN 2 89
 Office of Director
 Oil and Gas Division

State of West Virginia
 DEPARTMENT OF ENERGY
 Oil and Gas Division

Date JUNE 8, 1980
 Operator's Well No. #2
 Farm CLAYTON DAVIS
 API No. 47 - 085 - 4475

WELL OPERATOR'S REPORT
 OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 818 Watershed NORTH FORK HUGHES RIVER
 District: CLAY County RITCHIE Quadrangle PENNSBORO 7.5

COMPANY DELTA RESOURCES INC.
 ADDRESS SUITE 305 TULSA, OK 74136
 DESIGNATED AGENT BILL WILLIAMS
 ADDRESS RT 1 BOX 212, WEST UNION, WV 26456
 SURFACE OWNER CLAYTON DAVIS
 ADDRESS RT 74 PENNSBORO, WVA
 MINERAL RIGHTS OWNER RUTH SPENCER & OTHERS
 ADDRESS 3205 CUSTER ST. PARKERSBURG, WVA
 OIL AND GAS INSPECTOR FOR THIS WORK PAUL GODDNIGHT
 ADDRESS SMITHVILLES, WV 26178
 PERMIT ISSUED DEC. 17, 1979
 DRILLING COMMENCED DEC. 22, 1979
 DRILLING COMPLETED MAY 29, 1980

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			<u>8 5/8" FOR RUN FACE SURFACE CASING</u>
<u>5/8</u>	<u>300'</u>	<u>300'</u>	<u>C.T.S.</u>
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	<u>1928</u>	<u>CEMENTED BACK</u>	<u>TO 1327</u>
<u>3</u>			
<u>2</u>			
Liners used			

GEOLOGICAL TARGET FORMATION BIG INJUN Depth 1870 feet
 Depth of completed well 1928 feet Rotary / Cable Tools x
 Water strata depth: Fresh 237 feet; Salt 840 feet
 Coal seam depths: N/A Is coal being mined in the area?

OPEN FLOW DATA

Producing formation BIG INJUN Pay zone depth 1850 feet
 Gas: Initial open flow 400 Mcf/d Oil: Initial open flow N/A Bbl/d
 Final open flow 510 Mcf/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 325 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 JUN 12 1980

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

PERFORATED AT 1805-1814, 1844-1855, 1871-1890
RIVER WATER FRAC.

AMOUNT OF SAND, WATER, UNKNOWN
(RECORDS LOST)

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
			237	237	FRESH WATER
			840	885	OIL ODOR & WATER
			1351	1385	WATER
SAND			1410	1485	SHOW OF OIL
SAND			1550	1585	
SAND			1628	1668	
SAND LIME			1680	1716	
BIG LIME			1716	1805	
KERNER			1805	1840	GAS
BIG INJUN			1842	1860	OIL SHOW GAS
SQUAW			1870	1906	SHOW OIL & GAS

(Attach separate sheets as necessary)

DELTA RESOURCES INC.

Well Operator

By: BILL WILLIAMS FOR KOPPEL OIL & GAS

Date: JUNE 8, 1980

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."

JUN 12 1989

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow X /)
LOCATION: Elevation: 818' Watershed: North Fork Hughes River
District: Clay County: Ritchie Quadrangle: Pennsboro, W.Va.

WELL OPERATOR Resources
Delta Drilling, Inc DESIGNATED AGENT John Myung
Address Suite 305, 7030 S. Yale Address Suite 305, 7030 S. Yale
Tulsa, Oklahoma 74136 Tulsa, Oklahoma 74136

OIL & GAS ROYALTY OWNER (List attached)
Burt Spencer & others COAL OPERATOR - No Coal -
Address 3205 Custer St. Address _____
Parkersburg, W. Va.

Acreage 56.72 COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Clayton Davis Name _____
Address W. Va. Sec. Rt. 74 Address _____
Pennsboro, W. Va. **RECEIVED**
Acreage 56.72 Name _____
DEC 13 1979
Address OIL & GAS DIVISION
DEPT. OF MINES

FIELD SALE (IF MADE) TO:
Name _____ Address _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Goodknight Address _____
Address Smithville, W. Va.

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated _____, 19____, to the undersigned well operator from _____
[If said deed, lease, or other contract has been recorded:]
Recorded on _____, 19____, in the office of the Clerk of the County Commission of _____ County, West Virginia, in _____ Book _____ at page _____. A permit is requested as follows:
PROPOSED WORK: Drill X / 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

Resources
Delta Drilling, Inc.
Well Operator
By Alvin Slocum
Its Petroleum Engineer

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Contractor Not Known

Address _____

GEOLOGICAL TARGET FORMATION, Ingha

Estimated depth of completed well, 2000 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 2 feet; salt, feet.

Approximate coal seam depths: No Coal 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	11 3/4"			X		20'	20'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8"		20 [#]	X		300'	300'	To Surface	
Production	4 1/2"		10 1/2 [#]	X		2000'	2000'	150 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, of the W. Va. Code, the location is hereby approved for Drilling. This permit shall expire if operations have not commenced by 8-17-80

Deputy Director - Oil & Gas Division

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 _____