



FILE NO. 81-6060  
 DRAWING NO. 81-6060  
 SCALE 1" = 600'  
 MINIMUM DEGREE OF ACCURACY 1" = 2500'  
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION OF ELEVATION 1128' ON SCHULTZ TOPO MAP

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) Henry M. Parsons  
 R.P.E. \_\_\_\_\_ L.L.S. 9B

PLACE SEAL HERE

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



DATE Nov 27, 1981  
 OPERATOR'S WELL NO. 1  
 API WELL NO. \_\_\_\_\_  
47 - PLEASANTS 1384  
 STATE COUNTY PERMIT  
073

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 909 WATER SHED TURKEY RUN  
 DISTRICT Mc KIM COUNTY \_\_\_\_\_  
 QUADRANGLE SCHULTZ (7 1/2' SERIES) St. Mary 15' C  
 SURFACE OWNER R. B. VARNER ACREAGE 53  
 OIL & GAS ROYALTY OWNER R. B. VARNER LEASE ACREAGE 49  
 LEASE NO. \_\_\_\_\_  
 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 \_\_\_\_\_  
 TARGET FORMATION DEVONA- BENSON ESTIMATED DEPTH 5500'  
 WELL OPERATOR KIOWA PETROLEUM CORP DESIGNATED AGENT GERALD TOWNSEN JAN - 8 1982  
 ADDRESS P.O. BOX 629 ADDRESS PARKERSBURG  
PARKERSBURG WVA 26101 W.VA. 26101 77



IV-35  
(Rev 8-81)

Date February 12, 1982  
Operator's  
Well No. #1  
Farm R. B. Varner  
API No. 47 - 073 - 1384

State of West Virginia  
Department of Mines  
Oil and Gas Division

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 \_\_\_ /)  
LOCATION: Elevation: 909 Watershed Turkey Run  
District: McKim County Pleasants Quadrangle Schultz 7.5'

COMPANY Kiowa Petroleum Corporation  
ADDRESS P.O. Box 629, Parkersburg, W.Va. 26101  
DESIGNATED AGENT Gerald W. Townsend  
ADDRESS P.O. Box 1885, Parkersburg, W.Va. 26101  
SURFACE OWNER R. B. Varner  
ADDRESS 2814 Cheryl Ave., Southington, Ohio 44470  
MINERAL RIGHTS OWNER R. B. Varner  
ADDRESS As Above

OIL AND GAS INSPECTOR FOR THIS WORK Phillip L. Tracy  
ADDRESS Rt-23, Middlebourne, W.Va. 26320  
PERMIT ISSUED 12-4-81  
DRILLING COMMENCED 12-26-81  
DRILLING COMPLETED 12-31-81

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

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	963	963	280 sks
7			
5 1/2			
4 1/2	5313	5313	700 sks
3			
2 3/8		5005	
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Benson Depth 5500 feet  
Depth of completed well 5335 feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh - feet; Salt - feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Devonian Shale Pay zone depth 3598 - 5311 feet  
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 112 Mcf/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 36 hours

Static rock pressure 600 psig (surface measurement) after 36 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.

1st STAGE: 4618 - 5311 (52 Holes) 700 Gal/15% (HCL) Acid  
620,000 CF Nitrogen

2nd STAGE: 3598 - 3875 (35 Holes) 800 Gal/15% (HCL) Acid  
660,000 CF Nitrogen

WELL LOG

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	978	
Shale & Sand			978	1228	
Sand			1228	1460	
Shale			1460	1560	
Sand			1560	1594	
Big Line			1594	1754	
Big Injun			1754	1924	
Shale			1924	2268	Oil Show 1962
Berea			2268	2271	
Shale & Silt			2271	2403	
Gantz			2403	2408	
Shale & Silt			2408	2660	
Gordon			2660	2672	
Shale & Silt			2672	3675	
Speechley			3675	3710	
Shale & Silt			3710	4233	
Elk			4233	4242	
Shale & Silt			4242	5306	
Benson			5306	5312	
Shale			5312	5321	

(Attach separate sheets as necessary)

Kiowa Petroleum Corporation  
Well Operator

By:

Bob Roth

Date:

February 12, 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

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IV-35  
(Rev 8-81)

APR 19 1982

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

Date February 12, 1982  
Operator's  
Well No. #1  
Farm R. B. Varner  
API No. 47 - 073 - 1384

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    /)

LOCATION: Elevation: 909 Watershed Turkey Run  
District: McKim County Pleasants Quadrangle Schultz 7.5'

COMPANY Kiowa Petroleum Corporation  
ADDRESS P.O. Box 629, Parkersburg, W.Va. 26101  
DESIGNATED AGENT Gerald W. Townsend  
ADDRESS P.O. Box 1885, Parkersburg, W.Va. 26101  
SURFACE OWNER R. B. Varner  
ADDRESS 2814 Cheryl Ave., Southington, Ohio 44470  
MINERAL RIGHTS OWNER R. B. Varner  
ADDRESS As Above  
OIL AND GAS INSPECTOR FOR THIS WORK Phillip L. Tracy ADDRESS Rt-23, Middlebourne, W.Va. 26320  
PERMIT ISSUED 12-4-81  
DRILLING COMMENCED 12-26-81  
DRILLING COMPLETED 12-31-81  
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON   

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	963	963	280 sks
7			
5 1/2			
4 1/2	5313	5313	700 sks
3			
2 3/8		5005	
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Benson Depth 5500 feet  
Depth of completed well 5335 feet Rotary X / Cable Tools     
Water strata depth: Fresh - feet; Salt - feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Benson Pay zone depth 3598 - 5311 feet  
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 112 Mcf/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 36 hours  
Static rock pressure 600 psig (surface measurement) after 36 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

APR 26 1982

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

1st STAGE: <sup>Rhinestreet</sup> 4618 - 5311 (52 Holes) 700 Gal/15% (HCL) Acid  
620,000 CF Nitrogen

2nd STAGE: 3598 - 3875 (35 Holes) 800 Gal/15% (HCL) Acid  
660,000 CF Nitrogen

Huron

ORDER OF PERFORATING LOGS

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	978	
Shale & Sand			978	1228	
Sand			1228	1460	
Shale			1460	1560	
Sand			1560	1594	
Big Lime			1594	1754	
Big Injun			1754	1924	
Shale			1924	2268	Oil Show 1962
Berea			2268	2271	
Shale & Silt			2271	2403	
Gantz			2403	2408	
Shale & Silt			2408	2660	
Gordon			2660	2672	
Shale & Silt			2672	3675	
Speechley			3675	3710	
Shale & Silt			3710	4233	
Elk			4233	4242	
Shale & Silt			4242	5306	
Benson			5306	5312	
Shale			5312	5321	

(Attach separate sheets as necessary)

5321 - 1-11-82  
5321 - 1-11-82  
5321 - 1-11-82

Kiowa Petroleum Corporation  
Well Operator  
By: Bob Roth  
Date: Bob Roth February 12, 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 coal, encountered in the drilling of a well."



STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil  / Gas  / \_\_\_\_\_  
(If "Gas", Production  / Underground storage  / Deep  / Shallow  / \_\_\_\_\_)

LOCATION: Elevation: 909 Watershed: Turkey Run  
District: McKim County: Pleasants Quadrangle: Schultz 7.5'

WELL OPERATOR: Kiowa Petroleum Corporation DESIGNATED AGENT: Gerald W. Townsend  
Address: P. O. Box 629 Address: P. O. Box 1885  
Parkersburg, WV 26101 Parkersburg, WV 26101

OIL AND GAS ROYALTY OWNER: R. B. Varner COAL OPERATOR: N/A  
Address: 2814 Cheryl Ave. Address: \_\_\_\_\_  
Southington, Ohio 44470  
Acreage: 49

SURFACE OWNER: same as above COAL OWNER(S) WITH DECLARATION ON RECORD:  
NAME: \_\_\_\_\_ Address: N/A  
Address: \_\_\_\_\_  
Acreage: \_\_\_\_\_ NAME: \_\_\_\_\_  
Address: \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
NAME: \_\_\_\_\_ COAL LESSEE WITH DECLARATION ON RECORD:  
Address: \_\_\_\_\_ NAME: \_\_\_\_\_  
Address: \_\_\_\_\_

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME: Phillip L. Tracy  
Address: RT - 23  
Middlebourne, WV 26320  
Telephone: 758-4573

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed  / lease  / other contract  / dated 16 Oct., 19 81, to the undersigned well operator from Roy David Hadley.

(If said deed, lease, or other contract has been recorded:)

Recorded on 12 Nov., 19 81, in the office of the Clerk of County Commission of Pleasants County, West Virginia, in 169 Book at page 325. A permit is requested as follows:

PROPOSED WORK: Drill  / 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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this 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  
1613 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

BLANKET BOND

By: Kiowa Petroleum Corporation  
Well Operator  
Bob Roth  
Blanket Bond By: \_\_\_\_\_  
BD - 47-001183 Its: Land Manager

(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) TINSER OIL FIELD SERVICE INC

Address 1250 S. 10th St. Charleston, W. Va. 25304

GEOLOGICAL TARGET FORMATION Devonia Benson  
Estimated depth of completed well 5500 feet. Rotary X / Cable tools      /  
Approximate water strata depths: Fresh, 150 feet; salt, none feet.  
Approximate coal seam depths: none  
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 Drilling	Left in Well		
Conductor	11 3/4	J-55	45#	X		90	90	100sks	Kinds
Fresh water	8 5/8	J-55	23#	X		1100	1100	500sks	on to surface
Coal									Sizes
Intermed.									
Production	4 1/2	ERW	9.5#	X		5500	5500	600sks	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 8-4-82.

John B. Burdett  
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 regularions.

Date:     , 19     .

By:     

Its: