

OWNERSHIP

No Coal
 Surface: - Emmitt James, Oxford, W.Va.
 Oil & Gas: - Clara Smith, et al, Pennsboro, W.Va.

Minimum Error of Closure 1 in 200'
 Source of Elevation Elev. Well No. 3 (location) = 1094

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: W. Blount
 Squares: N E W

Map No.

C Meridian Exp. Corp.
 Penn Center West, Two, Ste 325-
 A Pittsburgh, Pa. 15274

Farm T.V. Smith Heirs

Tract _____ Acres 67 Lease No. _____

Well (Farm) No. Four Serial No. _____

Elevation (Spirit Level) 1136

Quadrangle Oxford 7 1/2

County Doddridge District Central

Engineer W. Blount

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

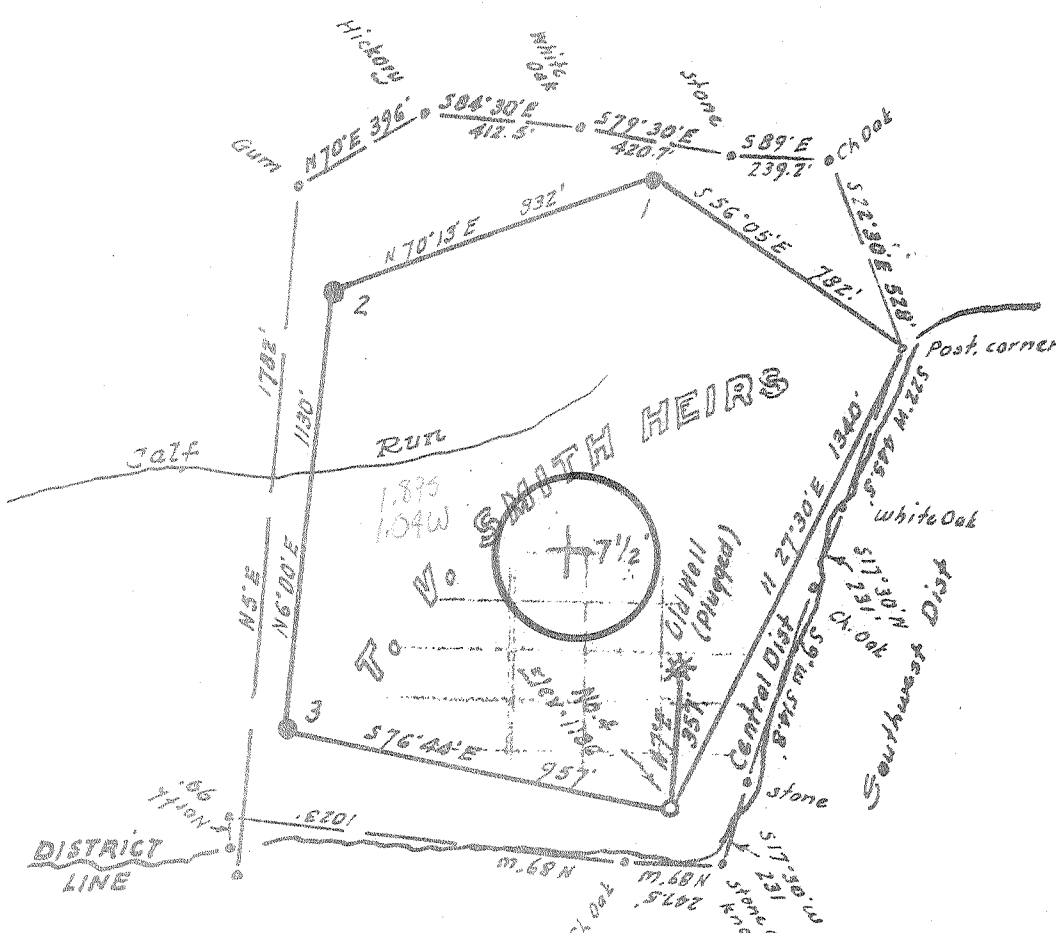
Date Dec. 19, 1979 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL & GAS
 NITRO, WEST VIRGINIA 25143

WELL LOCATION MAP

Well No. 47-017-02559-7
 Well drilled in 1980 by Chase
 Petroleum TD 5618'
 Production from Alexander
 Conson, Riley Meridian to face
 Riley & Baltown & Coningle.

OCT 15 1980



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Signed: [Signature]
 Squares: N E W

Company Chase Petroleum Corp.
 Address PO Box 369, Glenville, West Va.
 Farm T.V. Smith Heirs
 Tract _____ Acres 67 Lease No. _____
 Well (Farm) No Four Serial No. _____
 Elevation (Spirit Level) 1136 NC
 Quadrangle Oxford 7 1/2 Holbrook 15
 County Doddridge District Central
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Dec 19, 1979 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. 017-2559

+ Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

Alexander 5500
 6-6 Straight Fork-Bluestone Creek (133) JAN 15 1980

RECEIVED

WR-35 Environmental Protection

08-Oct-96
API # 47- 17-02559 F

1997

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Oil & Gas Well Operator's Report of Well Work

Farm name: JAMES, EMMIT Operator Well No.: T.V. SMITH #4

LOCATION: Elevation: 1,136.00 Quadrangle: OXFORD

District: CENTRAL County: DODDRIDGE
Latitude: 10020 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 5550 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: MERIDIAN EXPLORATION CORP
PENN CENTER WEST TWO, STE 325
PITTSBURGH, PA 15276-0000

Agent: CT CORP. SYSTEM

Inspector: MIKE UNDERWOOD
Permit Issued: 10/08/96
Well work Commenced: 10/14/96
Well work Completed: 10/25/96
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 5618'
Fresh water depths (ft) 50
Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	20	0	
8 5/8"	1476	1476	CTS
4 1/2"	5504	5504	3500'
2"		5300'	

OPEN FLOW DATA

Producing formation Riley Pay zone depth (ft) 4350'-4400'
 Gas: Initial open flow 400 MCF/d Oil: Initial open flow - Bbl/d
 Final open flow 400 MCF/d Final open flow - Bbl/d
 Time of open flow between initial and final tests 0 Hours
 Static rock Pressure 1000 psig (surface pressure) after 24 Hours

Second producing formation Balltown Pay zone depth (ft) 3882'-3934'
 Gas: Initial open flow 400 MCF/d Oil: Initial open flow - Bbl/d
 Final open flow 400 MCF/d Final open flow - Bbl/d
 Time of open flow between initial and final tests 0 Hours
 Static rock Pressure 1000 psig (surface pressure) after 24 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: MERIDIAN EXPLORATION CORP.

By: John Guide
Date: 1/6/97

1997

Riley: Perforations: 4350' - 4360' + 4390' - 4400' 4 SPF

Fracture
Treatment: 22,000 lbs 20/40
(0) Zero Nitrogen
250 bbls water

Balltown: Perforations: 3882' - 3892' + 3924' - 3934' 4 SPF

Fracture
Treatment: 20,400 lbs 20/40
(0) Zero Nitrogen
250 bbls water

FORM IV-35
(Obverse)

Operator's
Well No. T.V. Smith # 4

[08-78,

WELL OPERATOR'S REPORT

API Well No. 47 - 017 - 2559
State County Permit

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1136 Watershed: Calf Run
District: Central County: Doddridge Quadrangle: Cxford 7 1/2

OPERATOR Chase Petroleum DESIGNATED AGENT Alton Skinner
Address PO Drawer 369 Address PO Box 297
Glenville, WV 26351 Glenville, WV 26351

PLANNED WORK: Drill / Convert / Drill deeper / Redrill or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____

OIL & GAS DIVISION
DEPT. OF MINES

REPORT ISSUED ON December 26, 1979

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Paul Garrett
Address 321 Beech Street
Clarksburg, WV 26301

LOGICAL TARGET FORMATION: Alexander Depth: 5500 feet

Depth of completed well, 5618 feet Rotary / Cable Tools

Water strata depth: Fresh, 50 feet; salt, _____ feet.

Coal seam depths: none Is coal being mined in the area? no

Work was commenced January 9, 1980, and completed January 15, 1980

LOGGING AND TUBING PROGRAM

LOGGING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Drill pipe	11 3/4				x	20	-0-	Minds
Sh water								Sizes
Intermediate	8 5/8		23#	x		1476'	1476'	CTS
Production	4 1/2		10.5#	x		5504'	5504'	750 sacks Depth set
Logging								Perforations:
Tools								Top Bottom

1,900 MCF

PRODUCTION FLOW DATA

Producing formation Alexander Pay zone depth 5330-81 feet

Gas: Initial open flow, 120 Mcf/d Oil: Initial open flow, 0 bbl/d

Final open flow, 1,900 Mcf/d Final open flow, 0 bbl/d

Time of open flow between initial and final tests, 10 hours

Static rock pressure, 1680 psig (surface measurement) after 7 days shut in.

[If applicable due to multiple completion--]

Second producing formation Benson Pay zone depth 4867-4912 feet

Gas: Initial open flow, 120 Mcf/d Oil: Initial open flow, 0 bbl/d

Final open flow, 1,900 Mcf/d Final open flow, 0 bbl/d

Time of open flow between initial and final tests, 10 hours

Static rock pres. 1680 psig (surface measurement) after 7 days shut in.

AUG 11 1980

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

Fraced Alexander 5330-5381, 15 holes, 592bbls total fluid, 15,000 # 80/100
60,000 # 20/40

Fraced Benson 4867-4912, 15 holes, 532bbls total fluid, 15,000 # 80/100
30,000 # 20/40

Fraced Riley 4561-4662, 15 holes, 660bbls total fluid, 30,000 # 80/100
30,000 # 20/40

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Cond.			G.L.	50	
Sand & Shale			50	74	
Sand			74	81	
Red Rock			81	87	
Sand			87	95	
Sand & Shale & R.R.			95	105	
Sand			105	110	
Red Rock & Shale			110	120	
Sand			120	170	
Red Rock, Sand & Shale			170	811	
Sand			811	822	
Red Rock & Shale			822	835	
Sand & Shale			835	882	
Sand			882	885	
Sand & Shale			885	900	
Sand			900	907	
Sand & Shale			907	931	
Sand			931	940	
Sand & Shale			940	968	
Sand			968	986	
Sand & Shale			986	1045	
Sand			1045	1075	
Sand & Shale			1075	1087	
Sand			1087	1102	
Sand & Shale			1102	2085	
Big Lime & Injun Sand			2085	2200	
Sand			2200	4270	
Sand			4270	4285	
Sand & Shale			4285	5040	
Benson			5040	5055	
Sand & Shale			5055	5310	
Sand Alex.			5310	5360	
Sand & Shale			5360	5618TD	

(Attach separate sheets to complete as necessary)

Chase Petroleum
Well Operator

By Alton Shinner
Its Owner/Agent

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
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION**

22617

Well Operator: Meridian Exploration Corporation 31865 ⁷⁴² U 526

Operator's Well Number: TV Smith #4 - 1526-01 3) Elevation: 1136'

Well type: (a) Oil / or Gas x / Issued 10/08/96
Expires 10/08/98
(b) If Gas: Production x / Underground Storage /
Deep / Shallow /

Proposed Target Formation(s): Riley @ 4300' Balltown @ 3900 ⁴³⁴

6) Proposed Total Depth: 5618 feet

7) Approximate fresh water strata depths: 50

8) Approximate salt water depths: None

9) Approximate coal seam depths: None

10) Does land contain coal seams tributary to active mine? Yes / No X

11) Proposed Well Work: Set plug Perf + frac Riley @ 4300', Perf + frac Balltown @ 3900'. Drill Plug

CASING AND TUBING PROGRAM

Comingle

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor	11 3/4"		-	20	0	
Fresh Water						
Coal						
Intermediate	8 5/8"		23	1476	1476	CTS
Production	4 1/2"		10.5	5504	5504	3500'
Tubing						
Liners						

PACKERS : Kind None
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Agent
 (Type)

1) _____
2) _____
3) _____
FORWARDING
Office of Oil & Gas

Date: 9/19/96
Operator's well number _____
TV Smith #4 1526-01
API Well No: 47 - 017 - 02559 - F
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Emmit James
Address Rt. 1
West Union, WV 26456
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426-0135
Telephone (304) - 782-1043

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name None
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name None
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

x Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

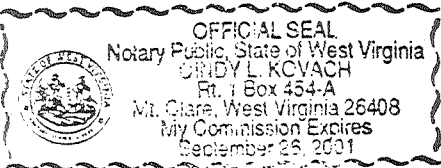
- _____ Personal Service (Affidavit attached)
- _____ Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Meridian Exploration Corporation
By: John Guide John Guide
Its: Chief Engineer
Address Penn Center West Two, Suite 325
Pittsburgh, PA 15276
Telephone (412) 494-0604



Subscribed and sworn before me this 4th day of September, 1996

Cindy L. Kovach Notary Public
Sept. 26, 2001

My commission expires _____

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 4

API Well No. 47 - 017 - 255
State West Virginia County Ferris

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

LOCATION: Elevation: 1136 Watershed: Calf Run
District: Central County: Doddridge Quadrangle: Oxford 7-1/2
Holbrook 15

WELL OPERATOR Chase Petroleum
Address P.O. Box 297
Glenville, W.Va. 26351

DESIGNATED AGENT Alton Skinner
Address P.O. Box 297
Glenville, W.Va. 263

OIL & GAS ROYALTY OWNER Clara Smith, et al
Address Pennsboro, W.Va.

COAL OPERATOR None
Address: _____

Acres 67

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Emmit James
Address Oxford, W.Va.

Name None
Address _____
RECEIVED
DEC 21 1979

Acres 67

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

Name _____
Address OIL & GAS DIVISION
DEPT. OF MINES

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address Clarksburg, W.Va. 26301

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated October 2, 1979, by the undersigned well operator from Clara Smith, et al

[If said deed, lease, or other contract has been recorded:]
Recorded on October 3, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 111 at page 388. 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 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, Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1611 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-300.

BLANKET BOND

Chase Petroleum
Well Operator

By Alton Skinner
Pres

[08-78]

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 Co.
Address Buckhannon, W.Va. 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5500 feet Rotary / Cable tools

Approximate water strata depths: Fresh, 30 feet; salt, 1200 feet.

Approximate coal seam depths: No Coal Is coal being mined in the area? No Yes

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	16"				X	30'	30'	30	Kinds
Fresh water									
Coal									Sizes
Intermediate	8-5/8		23#	X		1750	1750	CTS	
Production	4-1/2		10.5#	X		5400	5400	3200	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 § 22-4-18a, 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 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 8-26-80.

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: _____

By _____

Its _____