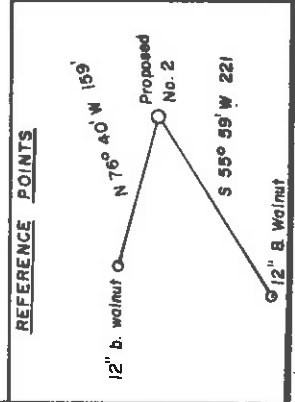


LATITUDE : 39° 15' 00"
 LONGITUDE : 80° 50' 00"
 3960'

FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 500 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Center of road 1400' NE of Location ELEV. = 1060'



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) Mark C. Echard
 MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

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



DATE FEBRUARY 10, 1983
 OPERATOR'S WELL NO. TWO
 API WELL NO. _____

47-017-3346
 STATE COUNTY PERMIT

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 960' WATER SHED FREDS RUN
 DISTRICT SOUTHWEST 7 COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5 526 Halbrook 058 Nc2 ACREAGE 42.5
 SURFACE OWNER EMMETT JAMES
 OIL & GAS ROYALTY OWNER LEWIS MAXWELL HEIRS LEASE ACREAGE 51.4

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 ALEXANDER ESTIMATED DEPTH 5990'
 WELL OPERATOR CHASE PETROLEUM, INC. 162 DESIGNATED AGENT MR. ALTON SKINNER
 ADDRESS P.O. BOX 297 ADDRESS P.O. BOX 297
 GLENVILLE, W.VA. 26351 GLENVILLE, W.VA. 26351

TRASCO*

AUG 27 1984

66 Straight Fork- Blustone Creek (133)

MAR 01 1996

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

API # 47- 17-03346 F
19-Oct-95

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: JAMES, EMMETT

Operator Well No.: 1666

LOCATION: Elevation: 960.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 10010 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 3960 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: MERIDIAN EXPLORATION CORP
707 GRANT STREET SUITE 2800
PITTSBURGH, PA 15219-0000

Agent: JOHN O. KIZER (C T CORP)

Inspector: MIKE UNDERWOOD
Permit Issued: 10/19/95
Well work Commenced: 11/6/95
Well work Completed: 11/20/95
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 5350'
Fresh water depths (ft) 120

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? X
Coal Depths (ft): N/A

OPEN FLOW DATA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
1 3/4"	30	0	-
8 5/8"	1187	1187	CTS
4 1/2"	5273	5273	4000'
2"	0	5000	

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 1940-1950
Gas: Initial open flow 100 MCF/d Oil: Initial open flow - Bbl/d
Final open flow 100 MCF/d Final open flow - Bbl/d
Time of open flow between initial and final tests 0 Hours
Static rock Pressure 150 psig (surface pressure) after 24 Hours

Second producing formation

Gas: Initial open flow - MCF/d Oil: Initial open flow - Bbl/d
Final open flow - MCF/d Final open flow - Bbl/d
Time of open flow between initial and final tests - Hours
Static rock Pressure - psig (surface pressure) after - 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: 2/27/96

31g Injun: Perforation Interval: 1940' - 1950'
4 shots per foot 90° phasing

Fracture Treatment: 17,000 lbs 20/40

Gross Link gel

500 Gal 15% HCl

No Nitrogen

Final pressure: 2260 psi

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FEB 27 1985



IV-35
REV 8-81)

OIL & GAS DIVISION
DEPT. OF MINES OF West Virginia
Department of Mines
Oil and Gas Division

Date February 25, 1985
Operator's Well No. E. James #2
Farm Emmitt James
API No. 47-017 - 3346

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 960 Watershed Fred's Run
District: Southwest County Doddridge Quadrangle Oxford 7.5

COMPANY Chase Petroleum, Inc.

ADDRESS P.O. Drawer 369, Glenville, WV 26351

DESIGNATED AGENT Alton Skinner

ADDRESS P.O. Drawer 369, Glenville, WV 26351

SURFACE OWNER Emmitt James

ADDRESS Rt. 1, West Union, WV 26456

MINERAL RIGHTS OWNER Ruby Farr Maxwell, et al

ADDRESS Rt. 1, West Union, WV 26456

OIL AND GAS INSPECTOR FOR THIS WORK Mike

Underwood ADDRESS Salem, WV 26426

PERMIT ISSUED 8/20/84

DRILLING COMMENCED 11/2/84

DRILLING COMPLETED 11/6/84

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10"	30	0	
9 5/8	1187	1187	300
8 5/8			
7			
5 1/2			
4 1/2	5273	5273	820
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander (Devonian)

Depth of completed well 5350 feet Rotary X / Cable Tools Depth 5990 feet

Water strata depth: Fresh 120 feet; Salt Recorded feet

Coal seam depths: None Is coal being mined in the area? No
5090-5140
4421-4670
3643-3764

OPEN FLOW DATA

Producing formation Alexander, Riley, Balltown Pay zone depth feet

Gas: Initial open flow 208 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 735 Mcf/d Final open flow Show Bbl/d

Time of open flow between initial and final tests n/a hours

Static rock pressure 1725 psig (surface measurement) after 4 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

(Continue on reverse side)

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

Fraced Alexander 5090-5140, 20 holes, 560 Bbls Water, 40,000# 20/40, 10,000# 80/100
 Fraced Riley 4421-4670, 12 holes, 526 Bbls Water, 40,000# 20/40, 10,000# 80/100
 Fraced Balltown 3643-3764, 14 holes, 614 Bbls Water, 40,000# 20/40, 10,000# 80/100

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all trees and salt water, coal, oil and ga
Clay			0	15	
Red Rock Sand			15	25	
Sand, Shale			25	40	
Red Rock, Shale			40	195	1" H2O @ 120' 60/10-2" W/H2O @ 1789'
Little Lime			195	1830	
Big Lime			1830	1874	
Injun Sand, Shale			1874	1934	
Weir Sand, Shale			1934	2004	50/10-2" W/H2O @ 2070'
Berea Sand, Shale			2004	2170	
Fifth Sand			2170	2300	
Sand, Shale			2300	2366	
Speechley Sand, Shale			2366	2372	
Balltown Sand, Shale			2372	2800	40/10-2" W/H2O @ 2579'
Riley Sand, Shale			2800	2806	
Benson Stray Sand, Shale			2806	3250	50/10-2" W/H2O @ 3090'
Benson Sand, Shale			3250	3300	
Benson Sand, Shale			3300	3643	40/10-2" W/h20 @ 3595'
Benson Sand, Shale			3643	3764	
Benson Sand, Shale			3764	4420	45/10-2" W/H2O @ 4107'
Benson Sand, Shale			4420	4450	
Benson Sand, Shale			4450	4670	45/10-2" W/H2O @ 4589'
Benson Sand, Shale			4670	4684	
Benson Sand, Shale			4684	4834	
Benson Sand, Shale			4834	4836	
Benson Sand, Shale			4836	5090	
Benson Sand, Shale			5090	5140	40/10-2" W/H2O @ 5132'
Benson Sand, Shale			5140	5350	TD

(Attach separate sheets as necessary)

Chase Petroleum, Inc.

Well Operator

By: [Signature]

Date: February 25, 1985

Note: Regulation 3.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic tabulated geological record of all formations, including lithology, structure and the drilling of a well."



1) Date: July 27, 19 84
 2) Operator's Well No. Emmit James #2
 3) API Well No. 47 - 017 - 3346
 State County Permit

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 Shallow
 Elevation: 960
 District: Southwest
 5) LOCATION: Undergrnd storage Freds Run LK9FE
 Watershed: Doddrige Oxford 7.5
 County: Doddrige
 6) WELL OPERATOR: Chase Petroleum, Inc.
 Address: P.O. Drawer 369 Alton Skinner
Glenville, WV 26351 P.O. Drawer 369
Glenville, WV 26351
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name: Mike Underwood
 Address: Route 2 - Box 114
Salem, WV 26426

10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 Other physical change in well (specify) _____

11) GEOLOGICAL TARGET FORMATION, Alexander (Devonian)
 12) Estimated depth of completed well, 5990 feet
 13) Approximate trata depths: Fresh, 200 feet; salt, 1000 feet.
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes

OIL & GAS DIVISION
 DEPT. OF MINES

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 JUL 30 1984

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.			
Conductor				For drilling	Left in well	Kinds
Fresh water						
Coal						
Intermediate	8-5/8		20#	400	400	Sizes
Production	4-1/2		10.5#	5940	725 Sks	Depths set
Tubing						Perforations:
Liners						Top
						Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3346 Date August 20, 1984

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 August 20, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>35</u>	Agent: <input checked="" type="checkbox"/>	Plat:	Casing	Fee
BLANKET	<u>LO MH MH</u>	<u>3605</u>		

Margaret J. Bass
 Administrator, Office of Oil and Gas

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

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

File

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Meridian Exploration Corp. (31805) (7) 526
- 2) Operator's Well Number: 1666 3) Elevation: 960'
- 4) Well type: (a) Oil / or Gas X / Issued 10/19/95
 (b) If Gas: Production X / Underground Storage / Expires 10/19/97
 Deep / Shallow
- i) Proposed Target Formation(s): Big Injun - 1950'
- i) Proposed Total Depth: 5350 feet
-) Approximate fresh water strata depths: 120'
-) Approximate salt water depths: None Encountered
- 9) Approximate coal seam depths: None Encountered
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Set plug @ 2000'. Frac Big Injun
Remove plug
- 12)

Comingle

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS	FOOTAGE INTERVALS	CEMENT			
	Size	Grade	Weight per ft. drilling	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	1 3/4"			30	0	-
Fresh Water						
Coal	8 5/8"		23	1,187'	1,187'	Cmt to surface
Intermediate						
Production	4 1/2"		10.5	5,273'	5,273'	Est top of cmt @ 1200'
Tubing						
Liners						

PACKERS : Kind Arrow
 Sizes 4 1/2"
 Depths set 2100'

1791/190
 Fee(s) paid: For Office of Oil and Gas Use Only
 Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond (Type) Agent

1) Date: 9/13/95
2) Operator's well number 1666
3) API Well No: 47 - 017 - 3346-W
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Smith, James
Address Rt 1
West Union, WV 26456
(b) Name _____
Address _____
(c) Name _____
Address _____
Inspector Mike Underwood
Address RT 2 BOX 135
Salem WV 26426
Telephone (304) - 782-1943

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

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 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)
I certify that as required under Chapter 22B 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 22B 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.



By: John Guide John Guide
Its: Chirt Engineer
Address 707 Grant St Suite 2800
Pittsburgh PA 15219-1919
Telephone 412-471-8181
Subscribed and sworn before me this 13th day of September, 1995

My commission expires February 2005 Notary Public