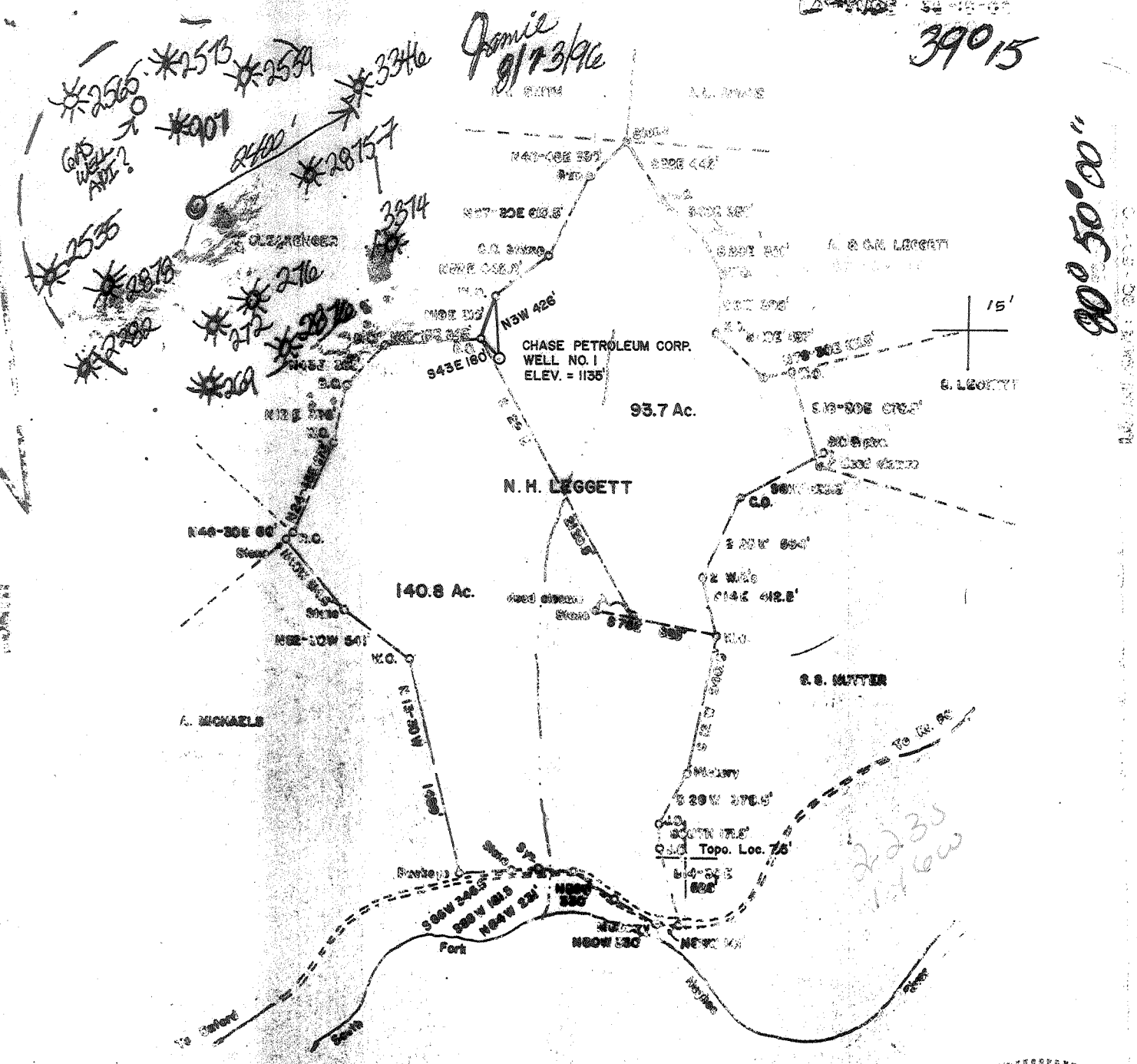


Ch 11/17/80

Janile 9/17/96

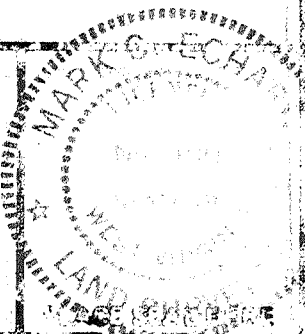
39015

90° 50' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 1000 feet
 DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Top Knob 2100' SE of Location Elev. = 1182'

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
 M.A.S. 490



INDICATES LOCATION OF WELL ON UNITED STATES TOP GRAPHIC MAPS
 FORM 1-8 (2-78)



DATE November 5 1980
 OPERATOR'S WELL NO. ONE
 ADJ WELL NO. 67-017-02874F
 STATE WEST VIRGINIA COUNTY PUTNAM

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL & GAS

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1040' WATER BASED South Fork of Hughes River
 DISTRICT Southwest COUNTY Putnam
 QUADRANGLE Oxford 7.5'
 SURFACE OWNER N.H. Leggett ACREAGE 234.5
 OIL & GAS ROYALTY OWNER N.H. Leggett, et al LEASE ACREAGE 140.8
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REGRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Plug & Abandon Well - Old Number 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5700' 5460' AUG 26 1996

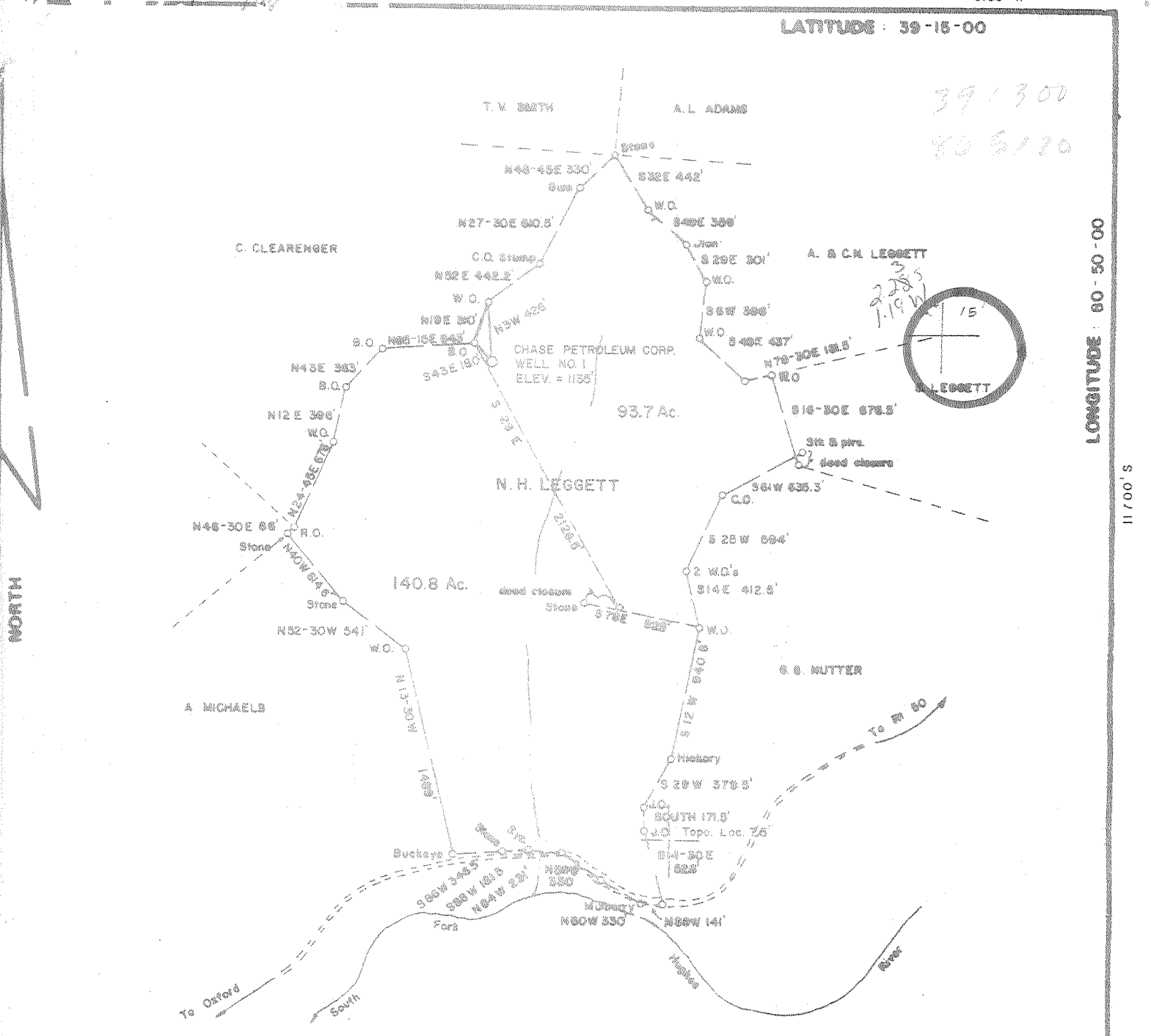
Meridian Exploration Corporation
 Penn Center West Two, Suite 325
 Pittsburgh, Pa. 15276

ESTIMATED DEPTH 5742'
 ADDRESS _____

C.T. Corp. System
 1200 Charleston, Nat'l Plaza
 Charleston, W.Va. 25301

11700 S

39 13 00
80 51 20



LONGITUDE : 80-50-00

11700' S

FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 1000 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Top Knob 2100' SE of Location Elev. = 1182'

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-8 (8-78)



DATE November 5, 1980
 OPERATOR'S WELL NO. ONE
 API WELL NO. _____
47-017-2874
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: O. GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "G S.") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1135' WATER SHED South Fork of Hughes River
 DISTRICT Southwest COUNTY Dodderidge
 QUADRANGLE Oxford 7.5' Holbrook 15' NC
 SURFACE OWNER N.H. LEGGETT ACREAGE 234.5
 OIL & GAS ROYALTY OWNER N.H. LEGGETT, et al LEASE ACREAGE 93.7
 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 ALEXANDER ESTIMATED DEPTH 5850'
 WELL OPERATOR CHASE PETROLEUM CORP. DESIGNATED AGENT MR. ALTON SKINNER
 ADDRESS BOX 297 ADDRESS BOX 297
GLENNVILLE, W.V. 26351 GLENNVILLE, W.V. 26351

DEC 19 1980

6-6 Straight Fork-Bluestone Creek (133)

JAN 10 1997

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

Permitting
Office of Oil & Gas Well Operator's Report of Well Work

Farm name: LEGGETT, ELMA MAE Operator Well No.: STINESPRING #1

LOCATION: Elevation: 1,040.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 11700 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 6130 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: 08/15/96
Well work Commenced: 8/21/96
Well work Completed: 9/16/96
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 5460'
Fresh water depths (ft) 165'

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.
1 3/4"	30	0	
8 5/8"	1453	1453	CTS
4 1/2"	5460	5460	3500
2"		5300	

OPEN FLOW DATA

Producing formation Riley Pay zone depth (ft) 4194' - 4214'
 Gas: Initial open flow 750 MCF/d Oil: Initial open flow - Bbl/d
 Final open flow 750 MCF/d Final open flow - Bbl/d
 Time of open flow between initial and final tests 0 Hours
 Static rock Pressure 1100 psig (surface pressure) after 24 Hours

Second producing formation Balltown Pay zone depth (ft) 3830' - 3850'
 Gas: Initial open flow 750 MCF/d Oil: Initial open flow - Bbl/d
 Final open flow 750 MCF/d Final open flow - Bbl/d
 Time of open flow between initial and final tests 0 Hours
 Static rock Pressure 1100 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 John Guide
Date: 1/6/97

JAN 21 1997

OPEN FLOW DATA

3rd Producing formation - Speechley. Pay Zone Depth: 3448' - 3468'

Gas: Initial open flow: 750 MCF/d No oil

Final open flow: 750 MCF/d No oil

Time of open flow between initial and final Test: 0 hrs

Static Rock Pressure 1100 psig (surface pressure) after 24 hrs

RILEY: Perforations: 4194' - 4214' 4 SPF

Fracture Treatment: 8,500 lbs 20/40 Sand X-Link Gel

(0) Zero Nitrogen

200 bbls water

BALLTOWN: Perforations: 3830' - 3850' 4 SPF

Fracture Treatment: 19,600 lbs 20/40 Sand X-Link Gel

(0) Zero Nitrogen

250 bbls water

SPEECHLEY: Perforations: 3448' - 3468' 4 SPF

Fracture Treatment: 20,500 lbs 20/40 Sand X-Link Gel

(0) Zero Nitrogen

250 bbls water



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED

AUG 25 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Quadrangle Oxford 7.5

Permit No. 47-017-2874

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Chase Petroleum
Address Drawer 369, Glenville, WV 26351
Farm N.H. Leggett, et al Acres 93.7
Location (waters) South Fork of Hughes River
Well No. Stinespring #1 Elev. 1135
District Southwest County Doddridge
The surface of tract is owned in fee by N.H. Leggett, et al
Address Oxford, WV 26414
Mineral rights are owned by N.H. Leggett, et al
Address Oxford, WV
Drilling Commenced March 2, 1981
Drilling Completed March 7, 1981
Initial open flow 50,000 cu. ft. 0 bbls.
Final production 600,000 cu. ft. per day 0 bbls.
Well open 10 hrs. before test 1650 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft (Sks.)
Size 20-16, Cond.			
13-10" 11 3/4	31	0	
9 5/8			
8 5/8 23#	1452.80	1452.8	CTS
7			
5 1/2			
4 1/2 10.5#	5460	5460	700 Sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Fraced Alexander; 5286-5315; 12 holes; 660 bbls. Total Fluid; 20,000 # 80/100
60,000 # 20/40
Fraced Benson; 4838-4996; 10 holes; 700 bbls. Total Fluid; 20,000 # 80/100
50,000 # 20/40
Fraced Riley; 4326-4596; 15 holes; 620 bbls. Total Fluid; 20,000 # 80/100
60,000 # 20/40

Coal was encountered at No coal Feet _____ Inches 600MCF
Fresh water 165 Feet _____ Salt Water _____ Feet _____
Producing Sand Alexander; Benson; Riley Depth 5286-5315; 4838-4996; 4326-4596
Alex BNSW RIL

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Cond.			Cond.	30		
Red Rock & Shale			30	55		
Sand & Shale			55	82		
Sand			82	112		
Shale			112	154		
Sand			154	170		
Shale & Red Rock			170	185		
Shale			185	195		
Sand & Shale			195	208		
Lime			208	212		
Sand & Shale			212	235		
Sand			235	260		
Black Shale			260	272		
Sand & Shale			272	367		
Red Rock & Shale			367	380		
Sand & Shale			380	385		
Red Rock & Shale			385	390		
Sand & Shale			390	420		
Shale			420	434		
Sand & Shale			434	511		
Shale & Red Rock			511	527		
Shale			527	561		
Red Rock & Shale			561	571		
Sand			571	581		

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			581	597		
Sand & Shale			597	608		
Red Rock			608	618		
Sand & Shale			618	673		
Shale & Red Rock			673	718		
Sand			718	728		
Red Rock & Shale			728	739		
Sand			739	746		
Red Rock			746	754		
Sand & Shale			754	760		
Red rock			760	765		
Sand			765	776		
Red Rock			776	790		
Sand			790	793		
Shale			793	821		
Sand			821	825		
Red Rock			825	845		
Sand & Shale			845	852		
Red Rock & Shale			852	982		
Sand			982	988		
Red Rock & Shale			988	1007		
Sand & Shale			1007	1061		
Shale			1061	1153		
Sand & Shale			1153	1217		
Red Rock			1217	1240		
Sand & Shale			1240	1305		
Shale			1305	1395		
Sand			1395	1464		
Shale			1464	1570		
Sand			1570	1630		
Sand & Shale			1630	1915		
Sand			1915	1942		
Shale			1942	1945		
Sand			1945	1980		
Shale & Red Rock			1980	2008		
Little Lime			2008	2028		
Shale			2028	2075		
Big Lime & Injun			2075	2172		
Sand & Shale			2172	2384		
Sand			2384	2396		
Sand & Shale			2396	2754		
Shale			2754	3033		
Sand & Shale			3033	4849		
Sand			4849	4865		
Sand & Shale			4865	5002		
Benson			5002	5012		
Sand & Shale			5012	5190		
Sand			5190	5275		
Sand & Shale			5275	5326		
Sand	Alex		5326	5375		
Sand & Shale			5375	5460	TD	

Date 8/21 1981

APPROVED Alton Shinner Owner

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

22382

- 1) Well Operator: ⁴⁷⁴² MERIDIAN EXPLORATION CORP. 31865 (7) 526
STINESPRING #1 (1567)
- 2) Operator's Well Number: 47 017 2874
- 3) Elevation: 1135
- Well type: (a) Oil or Gas Issued: 08/15/96
(b) If Gas: Production Underground Storage
Deep Shallow
- Proposed Target Formation(s): ⁴³⁴ Riley @ 4,200' + Balltown @ 3850'
- Proposed Total Depth: 5460 feet
- Approximate fresh water strata depths: 165'
- Approximate salt water depths: None
- Approximate coal seam depths: None
- Does land contain coal seams tributary to active mine? Yes No
- Proposed Well Work: Set plug. Perf + frac Riley @ 4,200', Perf + Frac Balltown @ 3,850' Drill plug.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"			30	-	-
Fresh Water						
Coal						
Intermediate	8 5/8"		23	1453	1453	CTS
Production	4 1/2"		10.5	5460	5460	3500'
Tubing						
Liners						

PACKERS : Kind _____ N/A
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

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

Page 1 of _____
Form WW2-A
(09/87)
Permit Copy

1) Date: 6-14-96
2) Operator's well number _____
3) API Well No: STINESPRING #1 (1567)
47 - 017 - 2874 - F
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 ELMA MAE LEGGETT
Address ROUTE 1 BOX 87
WEST UNION, WV 26456
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector MIKE UNDERWOOD
Address ROUTE 2 BOX 135
SALEM, WV 26426
Telephone (304)-782 1043

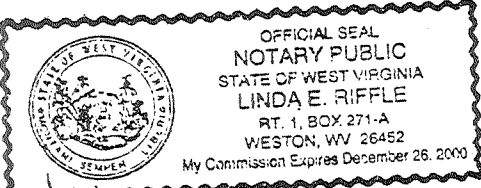
5) (a) Coal Operator:
Name NO COAL
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

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.

Well Operator MERIDIAN EXPLORATION CORP.
By: John Guide JOHN GUIDE
Its: PENN CENTER WEST TWO, SUITE 325
Address PITTSBURGH, PA 15276
(412) 494 0604
Telephone _____



Subscribed and sworn before me this 14th day of June, 1996

Linda E. Riffle
My commission expires December 26, 2000

Notary Public

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 1135 Watershed: South Fork of Hughes River

District: Southwest County: Doddridge Quadrangle: Oxford 7.5

WELL OPERATOR Chase Petroleum Address PO Drawer 369 Glenville, WV 26351

DESIGNATED AGENT Alton Skinner Address PO Drawer 369 Glenville, WV 26351

OIL & GAS ROYALTY OWNER N.H. Leggett, et al Address Oxford, WV 26414

COAL OPERATOR None Address

Acreage 93.7

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER N.H. Leggett Address Oxford, WV 26414

Name No Coal Address

Acreage 234.5

NOV 17 1980

FIELD SALE (IF MADE) TO: Name Uncommitted Address

Name OIL & GAS DIVISION DEPT. OF MINES Address

COAL LESSEE WITH DECLARATION ON RECORD:

OIL AND GAS INSPECTOR TO BE NOTIFIED: Name Paul Garrett Address

Name None Address

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 November 14, 1980, to the

undersigned well operator from N.H. Leggett, et al (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 x / 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 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 PHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS

15 Washington Street, East Charleston, West Virginia

BLANKET BOND

Chase Petroleum Well Operator Alton Skinner

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 Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5850 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 50 feet; salt, -- feet.

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

DRILLING AND TUBING PROGRAM

Table with columns: DRILLING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), 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.

PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22, the W. Va. Code, the location is hereby approved drilling. This permit shall expire if operations have not commenced by 7-19-81

Deputy Director 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 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 _____