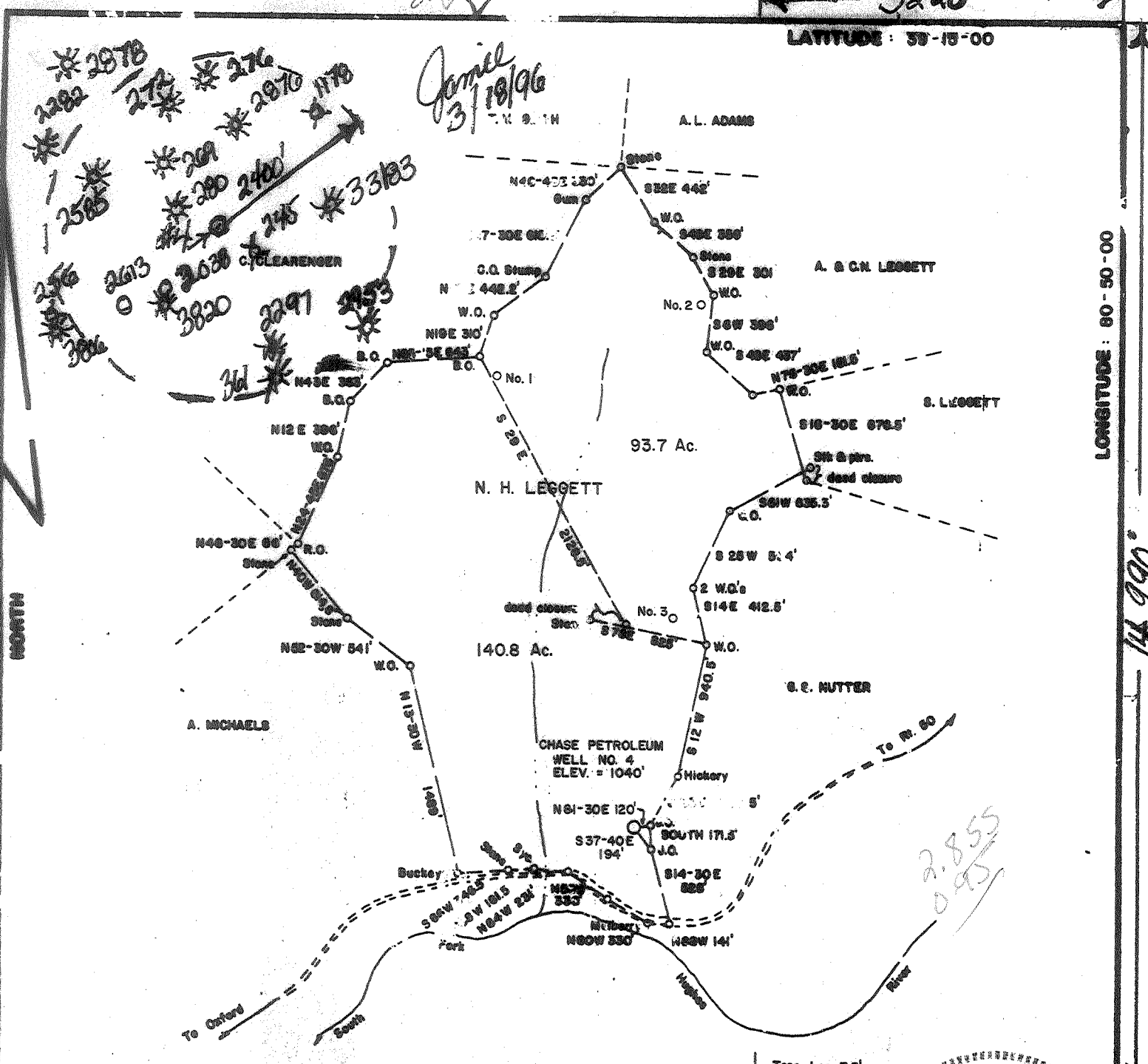


LATITUDE: 38-15-00

5220

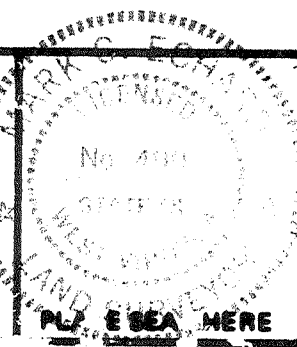
LONGITUDE: 80-50-00

Jamil 3/18/96



FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 1000 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Top Knob 2700' NE 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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FO: 1:48 (8-78)

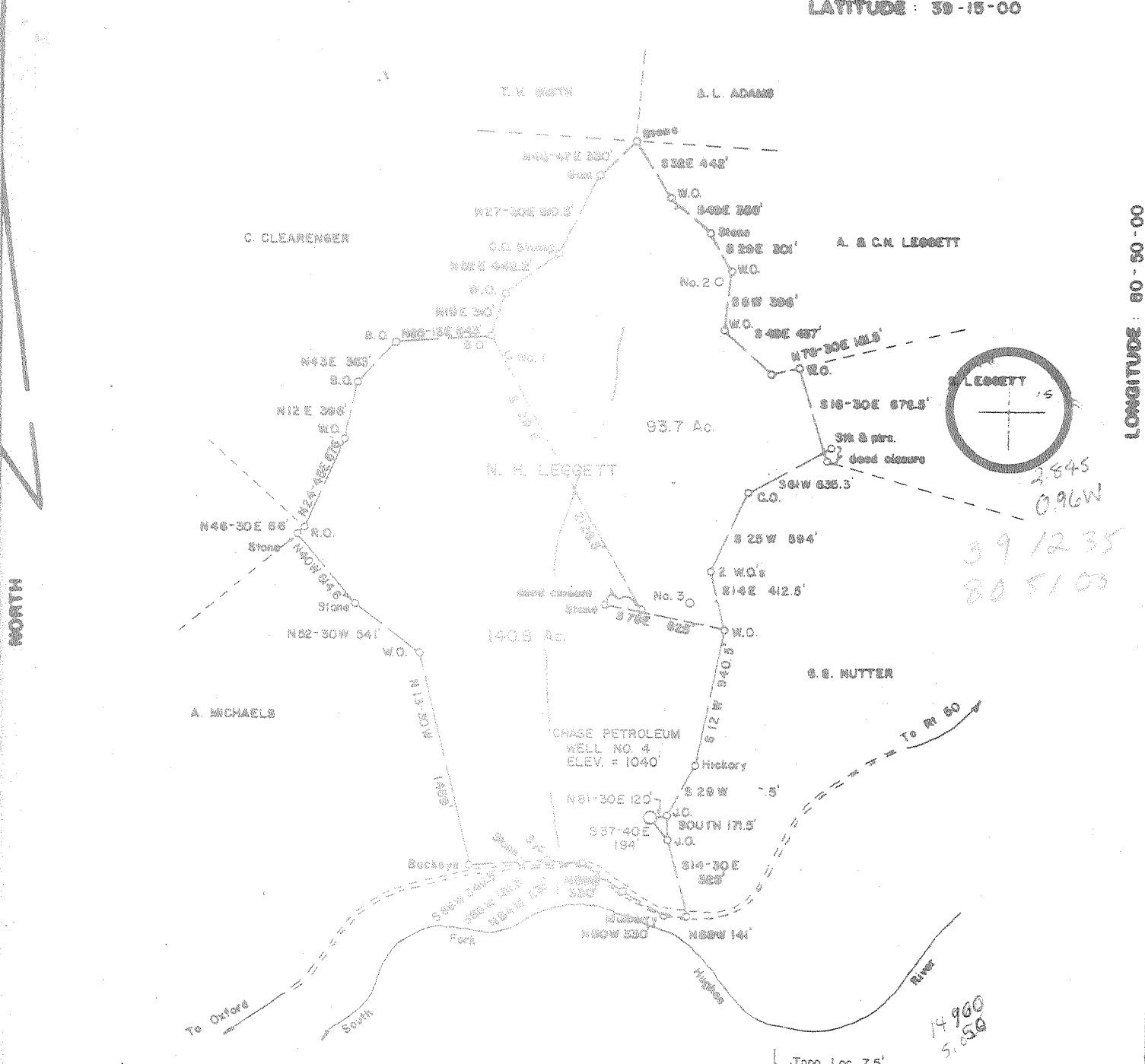


DATE November 5, 1980
 OPERATOR'S WELL NO. FOUR
 API WELL NO. 17-017-02877.7
 STATE WV COUNTY DODD PERMIT

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1040' WATER SHED South Fork & Fishers River
 DISTRICT South COUNTY Dodd
 QUADRANGLE Card 7.5 Oxford
 SURFACE OWNER N. H. Leggett ACREAGE 234.5
 OIL & GAS ROYALTY: OWNER N. H. Leggett, et al LEASE AREA 140.8
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT WELL DEEPER PERFORM NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Set temporary plug from Jensen, Riley, and Balltown
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5700' DESIGNATED AGENT Alexander
 Meridian Exploration Corp. ADD John O. Kizer (C.T. Corp)
 Penn Center West Two, Suite 325 1200 Huntington Nat'l Plaza
 Pittsburgh, Pa. 15276
 RASCO



FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 1000 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Top Knob 2700' NE of Location Elev. = 1182'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAY 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. *Mark C. Echard*
 (SIGNED) MARK C. ECHARD
 R.F.S. L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FO 11V-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE November 5, 1980
 OPERATOR'S WELL NO. FOUR
 API WELL NO. 47-017-2877
 STATE 47 COUNTY 017 PERMIT 2877

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS.") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1040' WATER SHED South Fork of Hughes River
 DISTRICT Southwest COUNTY Doddridge
 QUADRANGLE Oxford 7.5' Northwest 15 NC
 SURFACE OWNER N.H. Leggett ACREAGE 234.5
 OIL & GAS ROYALTY OWNER N.H. Leggett, et al LEASE AC 140.8
 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 5700'
 WELL OPERATOR CHASE PETROLEUM CORP. DESIGNATED AGENT MR. ALTON SKINNER
 ADDRESS BOX 297 ADDRESS BOX 297
GLENVILLE, W.V. 26351 GLENVILLE, W.V. 26351

DEC 19 1980

6-6 Straight Fork-Bluestone Creek (133)

Division of Environmental Protection

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

JAN 10 1997

Section of Oil & Gas

Well Operator's Report of Well Work

Farm name: LEGGETT, N.H. & ELMA MAE Operator Well No.: STINESPRING #4

LOCATION: Elevation: 1,040.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 14900 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 5220 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: 03/22/96
Well work Commenced: 6/17/96
Well work Completed: 7/11/96
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 5427
Fresh water depths (ft) None

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"	1388	1388	CTS
4 1/2"	5303	5303	3000'
2"		5200'	

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4486'-4506'
 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 Riley Pay zone depth (ft) 4256'-4286'
 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

OPEN FLOW DATA

Third Producing formation - Balltown. Pay Zone depth (ft) 3737' - 3780'.
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 tests 0 hrs
Static rock Pressure 1100 psig (surface pressure) after 24 hrs

Benson: Perforations: 4,486' - 4,506' 4 SPF

Fracture Treatment: 16,300 lbs 20/40 sand X-Link Gel
(0) Zero Nitrogen
250 bbls of water

LILEY: Perforations: 4,256' - 4,266' + 4,276' - 4,286' 4 SPF

Fracture Treatment: 15,000 lbs 20/40 Sand X-Link Gel
(0) Zero Nitrogen
250 bbls water

BALLTOWN: Perforations: 3,737' - 3,747' + 3,770' - 3,780' 4 SPF

Fracture Treatment: 16,000 lbs 20/40 Sand X-Link Gel
(0) Zero Nitrogen
250 bbls water



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

AUG 25 1981

Oil and Gas Division

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

WELL RECORD

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

Quadrangle Oxford 7.5

Permit No. 47-017-2877

Company Chase Petroleum
Address Drawer 369, Glenville, WV 26351
Farm N.H. Leggett, et al. Acres 140.8
Location (waters) South Fork of Hughes River
Well No. Stinespring #4 Elev. 1040
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 May 18, 1981
Drilling Completed May 22, 1981
Initial open flow -0- cu. ft. 0 bbls.
Final production 5000,000 cu. ft. per day 0 bbls.
Well open 10 hrs. before test 1500 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	20	0	
9 5/8			
8 5/8 23#	1388	1388	CTS
7			
5 1/2			
4 1/2 10.5#	5303	5303	630 Sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Fraced Alexander; 5216-5164; 18 holes; 608 bbls. Total Fluid; 20,000 # 80/100
56,000 # 20/100

Fraced Benson; 4902-4828; 12 holes; 603 bbls. Total Fluid; 20,000 # 80/100
56,000 # 20/40

Coal was encountered at none Feet _____ Inches 500 MCF
Fresh water -- Feet _____ Salt Water -- Feet _____
Producing Sand Alexander; Benson Depth 5216-5164; 4902-4828
Alex BNSN

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	• Remarks
Shale			0	40		
Sand			40	109		
Sand & Shale			109	171		
Shale			171	203		
Sand			203	233		
Shale & Red Rock			233	915		
Sand			915	925		
Shale & Red Rock			925	1388		
Sand			1388	1420		
Sand & Shale			1420	1890		
Lime			-1890	2010		
Shale			2010	2028		
Lime			-2028	2074		
Shale			2074	2218		
Sand			2218	2370		
Shale & Sand			2370	2630		
Sand			2630	3640		
Shale			3640	4906		
Sand & Shale			4906	5427 <i>Alex</i>	TD	

SEP 9 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks

Date 9/21 1981

APPROVED *Alton Shiner* Owner

MAR 06 1996

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

Permitting Office of Oil & Gas

MERIDIAN EXPLORATION CORP. 31805 (7) 526

21710

1) Well Operator: _____ 3) Elevation: 1040

2) Operator's Well Number: STINESPRING #4 (1570) Issued 03/22/96

4) Well type: (a) Oil ___ / or Gas X / Expired 03/22/98
(b) If Gas: Production X / Underground Storage ___
Deep ___ / Shallow ___

Proposed Target Formation(s): Benson @ 4500', Riley @ 4260', Balltown @ 3800'

Proposed Total Depth: 5427 feet

Approximate fresh water strata depths: None

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 Benson @ 4500', Perf & Frac Riley @ 4260', Perf & Frac Balltown @ 3800' Drill plug.

CASING AND TUBING PROGRAM

Comingle with separator

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"			20	0	
Fresh Water						
Coal						
Intermediate	8 5/8"		23	1388	1388	CTS
Production	4 1/2"		10.5	5303	5303	3000' (740 ft ³)
Tubing						G30PKS
Liners						

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

For Division of Oil and Gas Use Only
Fee(s) paid: 1 Well Work Permit 1 Reclamation Fund 1 WPCP
Plat 1 WW-9 1 WW-2B 1 Bond Blanket Agent

RECEIVED
WV Division of
Environmental Protection
MAR 06 1996

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

1) Date: 02/29/96
2) Operator's well number
STINESPRING #4 (1570)
3) API Well No: 47 - 017 - 2877-F
State - County - Permit

Permitting
Office of Oil & Gas
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 N.H. LEGGETT & ELMA MAE LEGGETT
 - Address OXFORD, WV 26456
 - (b) Name _____
 - Address _____
 - (c) Name _____
 - Address _____
- 5) (a) Coal Operator:
 - Name NO COAL
 - Address _____
 - (b) Coal Owner(s) with Declaration
 - Name _____
 - Address _____
 - (c) Coal Lessee with Declaration
 - Name _____
 - Address _____
- 6) Inspector MIKE UNDERWOOD
 - Address ROUTE 2 BOX 135
 - SALEM, WV 26426
 - Telephone (304)- 782 1043

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.

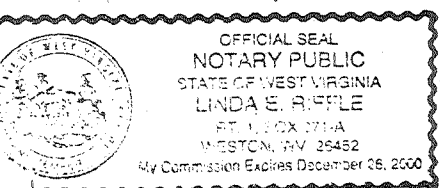
Well Operator MERIDIAN EXPLORATION CORP.

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 26th day of February, 19 96

Linda E. Riffle Notary Public

My commission expires December 26, 2000

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 1040 Watershed: South Fork of Hughes River

District: Southwest County: Doddridge Quadrangle: Oxford 7.5

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

OIL & GAS ROYALTY OWNER N.H. Leggett, Et Al COAL OPERATOR None
Address Oxford, WV 26414 Address

ACREAGE 140.8 COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER N.H. Leggett Name No Coal
Address Oxford, WV 26414 Address

ACREAGE 234.5

FIELD SALE (IF MADE) TO: Name Uncommitted
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address

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

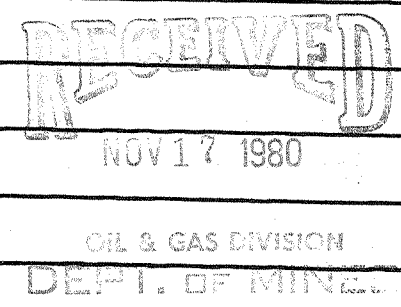
The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated November 14, 1980, to the undersigned well operator from N.H. Leggett, et al

(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 25311
Chase Petroleum Well Operator
Alton Skinner



BLANKET BOND

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, 5700 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 /

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	30	-0-		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8		23#	X		1800	1800	CTS	
Production	4 1/2		10.5#	X		5650	5650	675 Sks	Depths set
Tubing								<i>or as reqd.</i>	
Liners								<i>by rule 15.01</i>	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 7-19-81.

J. E. Amey
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