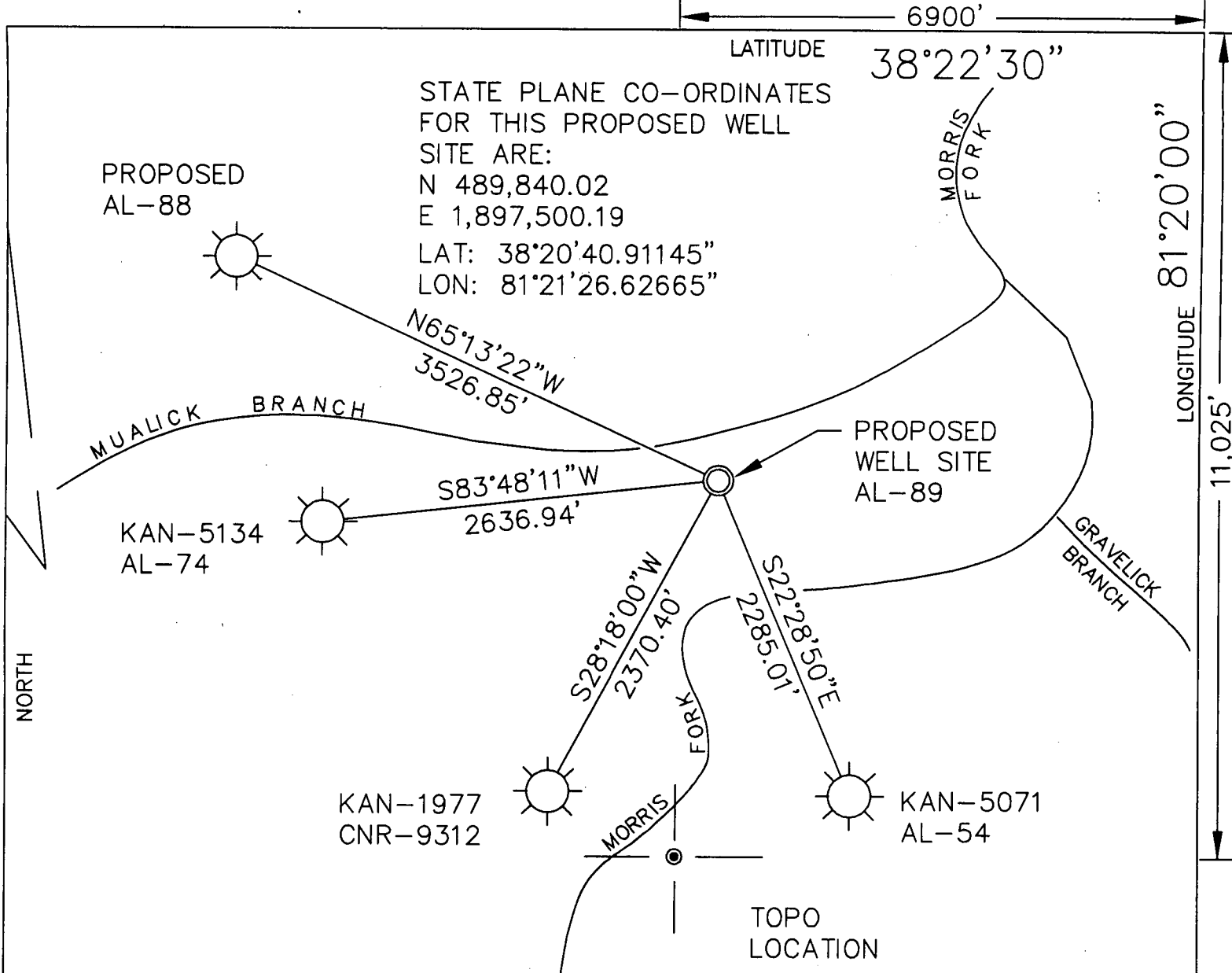




STATE PLANE CO-ORDINATES
FOR THIS PROPOSED WELL
SITE ARE:
N 489,840.02
E 1,897,500.19
LAT: 38°20'40.91145"
LON: 81°21'26.62665"

APPALACHIAN LAND COMPANY
TAX MAP 60 - PARCEL ONE
ELK DISTRICT
DEED BOOK 2195, AT PAGE 421
18,981.59 ACRES ASSESSED

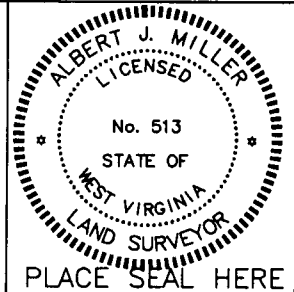
- REFERENCE POINTS:
PROPOSED WELL TO:
- (1) 18 INCH DIA. POPLAR
S86°00'W 177 FEET
 - (2) 17 INCH DIA. BEECH
N82°00'W 215 FEET

ALBERT J. MILLER & ASSOCIATES, INC.
LAND SURVEYORS
P.O. BOX 991
CLEDENIN, WEST VIRGINIA 25045
(304) 548-6181

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No _____
DRAWING No. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF
ACCURACY 1 : 10,000
PROVEN SOURCE OF
ELEVATION GPS SURVEY

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE
DEPARTMENT OF MINES
(SIGNED) Albert J. Miller, Jr.
R.P.E. _____ R.P.S. 513



STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS NITRO, WV				DATE <u>OCTOBER 5</u> 19 <u>99</u> OPERATOR'S WELL No. <u>AL-89</u> API WELL No. _____	
WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐ STATE <u>47</u> COUNTY <u>039</u> PERMIT <u>05322</u> (IF "GAS") PRODUCTION ☒ STORAGE ☐ DEEP ☐ SHALLOW ☒					
LOCATION: ELEVATION <u>819.80</u> WATER SHED <u>MUALICK BR. TO MORRIS FK. TO BLUE CK. TO ELK RIVER</u> DISTRICT <u>ELK</u> COUNTY <u>KANAWHA</u> QUADRANGLE <u>MAMMOTH</u>					
SURFACE OWNER <u>APPALACHIAN LAND COMPANY</u>		ACREAGE <u>18,977.62</u>			
OIL & GAS ROYALTY OWNER <u>PINE MOUNTAIN</u>		LEASE ACREAGE <u>18,977.62</u>			
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 <u>INJUN WEIR</u>		ESTIMATED DEPTH <u>2500'</u>			
WELL OPERATOR <u>REED GAS, INC.</u>		DESIGNATED AGENT <u>JAMES W. REED, JR.</u>			
ADDRESS <u>1206 KANAWHA BLVD. EAST</u>		ADDRESS <u>1206 KANAWHA BLVD. EAST</u>			
<u>SUITE 201 CHARLESTON, WV 25301</u>		<u>SUITE 201 CHARLESTON, WV 25301</u>			

FORM IV-6 (8-78)

Office of Oil and Gas
1356 Hansford Street
Charleston, WV 25301
Phone: (304) 558-6075
Fax: (304) 558-6047

West Virginia Department of Environmental Protection

Bob Wise,
Governor

June 11, 2003

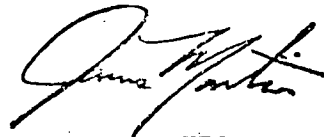
Stephanie R. Timmermeyer,
Cabinet Secretary

FINAL INSPECTION REPORT

WELL PERMIT RELEASED

REED GAS INC,

The FINAL INSPECTION REPORT for the permit, API Well Number: 47-3905322, issued to REED GAS INC, and listed below has been received in this office, and reclamation requirements approved. The well designated by the permit number below has been released under reclamation and will remain under your bond.



JAMES MARTIN
Chief,
Office of Oil and Gas

Operator: REED GAS INC

Operator's Well No: AL-89

Farm Name: APPALACHIAN LAND CO.

API Well Number: 47-3905322

Date Issued: 11/17/1999

DATE STARTED/LOCATION: 12-7-99 API# 039-5322 WELL NO. A.L. #89
 DRILLING COMMENCED: 1-19-00 OPERATOR: Reed Gas Inc.
 TD DATE: 1-23-00 DEPTH: _____ FARM: Appalachian Land Co.
 WATER DEPTHS _____ COAL DEPTHS _____

1. IS THE OPERATOR KEEPING DETAILED DRILLING AND CEMENT RECORDS: YES ☒ NO ☐ (6 PTS) 6
 RAN 254 FEET OF 8 3/8" PIPE ON 120-00 CEMENT WITH _____ SKS (CIR.) YES ☐ NO ☒
 RAN 1844 FEET OF 4 1/2" PIPE ON 123-00 CEMENT WITH 235 SKS (CIR.) YES ☐ NO ☐
 RAN _____ FEET OF _____" PIPE ON _____ CEMENT WITH _____ SKS (CIR.) YES ☐ NO ☐
 RAN _____ FEET OF _____" PIPE ON _____ CEMENT WITH _____ SKS (CIR.) YES ☐ NO ☐
 RAN _____ FEET OF _____" PIPE ON _____ CEMENT WITH _____ SKS (CIR.) YES ☐ NO ☐
 RAN _____ FEET OF _____" PIPE ON _____ CEMENT WITH _____ SKS (CIR.) YES ☐ NO ☐
 YES ☐ NO ☐

PIT DISCHARGE DATE: _____ TYPE: _____ (LAND, DISPOSAL WELL, RE-USE, ETC.) API # _____
 ACRES DISCHARGED: _____: PIT VOLUME: _____ PIT ADDITIVES _____
 FIELD ANALYSIS: pH _____ Fe _____ mg/l Cl _____ mg/l D.O. _____ mg/l TOC _____ mg/l

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-30
 AND REGULATION 35CSR 4-12.1 AND 35CSR-4-16 AND THE GENERAL WATER POLLUTION CONTROL PERMIT

2. DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:
 A. CONSTRUCTION YES ☐ NO ☐ (2 PTS) B. DRILLING YES ☒ NO ☐ (2 PTS)
 C. PIT TREATMENTS YES ☒ NO ☐ (2 PTS) D. PIT DISCHARGE YES ☒ NO ☐ (2 PTS)
 E. RECLAMATION YES ☐ NO ☒ (2 PTS) POINTS AVAILABLE FOR QUESTION 2: (10 PTS) _____

3. DID THE OPERATOR HAVE PERMIT ON SITE? YES ☒ NO ☐ (4 PTS) 4

4. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE
 DIRT WORK STARTED? YES ☒ NO ☐ (4 PTS) 4

5. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES ☒ NO ☐ (4 PTS) 4

6. WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAINED?
 A. ROAD DITCHES YES ☒ NO ☐ (3PTS) B. CROSS DRAINS YES ☒ NO ☐ (3 PTS)
 C. CULVERTS YES ☒ NO ☐ (3PTS) D. CREEK CROSSINGS YES ☒ NO ☐ (3PTS)
 E. DIVERSION DITCHES YES ☒ NO ☐ (3PTS) F. BARRIERS YES ☒ NO ☐ (3PTS)
 G. TEMPORARY SEEDING YES ☐ NO ☒ (3PTS) POINTS AVAILABLE FOR QUESTION 6: (21 PTS) 18

7. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES ☒ NO ☐ (2 PTS) 2

8. IS THE WELL STAKE IN THE PROPER SPOT IN ACCORDANCE WITH 35CSR4-9.2.c
 AFTER CONSTRUCTION? YES ☒ NO ☐ (3 PTS) 3

9. IS THE PIT PROPERLY INSTALLED AND MAINTAINED? YES ☒ NO ☐ (6 PTS) 6

10. IS EQUIPMENT AND SITE BEING PROPERLY MAINTAINED TO PREVENT SPILLS? YES ☒ NO ☐ (3PTS) 3

11. IS EQUIPMENT BEING PROPERLY OPERATED TO MAINTAIN SAFE CONDITIONS? YES ☒ NO ☐ (3PTS) 3

14. WAS ROAD AND LOCATION PROPERLY RECLAIMED? YES ☐ NO ☐
 A. ROADWAY YES ☒ NO ☐ (2PTS) B. LOCATION YES ☒ NO ☐ (2PTS)
 C. PITS YES ☒ NO ☐ (2PTS) D. PIPELINES YES ☒ NO ☐ (2PTS)
 E. TANK DIKES YES ☒ NO ☐ (2PTS) F. GATES & FENCES YES ☒ NO ☐ (2PTS)
 G. API INSTALLED YES ☒ NO ☐ (2PTS) H. ADEQUATE SEEDING MATERIALS YES ☒ NO ☐ (2PTS)
 I. WAS SEED BED ADEQUATE YES ☒ NO ☐ (2PTS) POINTS AVAILABLE FOR QUESTION 14: (16 PTS) 18

15. WAS RECLAMATION COMPLETED WITHIN: POINTS AVAILABLE FOR QUESTION 15: (15 PTS) 8
 6 MTHS OF TD YES ☒ NO ☐ 8 PTS; 4 MTHS OF TD YES ☐ NO ☒ 3 PTS.; 2 MTHS OF TD YES ☐ NO ☒ 4 PTS.

TOTAL RECLAMATION SCORE: 89

4/16-02

Charles W. Hively
 INSPECTOR



12-8-99	Cleaning brush and timber off location.
1-4-00	Location built and putting stone on access road.
1-19-00	Moving Rig and equipment on location.
1-20-00	Run surface casing and cemented and waiting on cement.
1-24-00	Tip well and run 4 1/2" casing and cemented and rig sitting on location.
2-28-00	Blowing back well frac.
4-3-00	Doing Pit treatment.
4-28-00	Did Pit discharge and back-filling Pit.
5-3-00	Location reclaimed and not seeded.
6-5-00	Location has been Hydro-seeded.
3-3-01	Checked reclamation and seeding.
4-16-02	Checked location and O.K. for release.

State of West Virginia
Division of Environmental Protection
Office of Oil and Gas
Discharge Monitoring Report
Oil and Gas General Permit

Company Name: Reed Gas, Inc.
 API: 47-039-05322 County: Kanawha
 District: E1K
 Farm Name: Appalachian Land Well No: AL-89
 Discharge Dates/s From: (MMDDYY) 4-28-00 TO: (MMDDYY) 4-28-00
 Discharge Times : From 8:00 am TO 11:00 am
 Disposal Option Utilized: UIC (2): Permit No.
 Centralized Facility (5): Permit No.
 Reuse (4): Alternate Permit Number:
 Offsite Disposal(3): Site Location:
 Land Application(1): ✓ (Include a topographical map of the Area.)
 Other method(6): (Include an explanation)

Follow Instructions below to determine your treatment category.

Optional Pretreatment test: 3630 Cl- mg/l 4.0 DO Mg/l

1. Do you have permission to use expedited treatment from the Director or his representative? (Y/N) N If yes who? , and place a four (4) on line 7. If not go to line 2
2. Was Frac Fluid or flowback put into the pit? (Y/N) ✓ If yes go to line 5 if not go to line 3
3. Do you have a chloride value pretreatment (see above)? (Y/N) If yes go to line 4 if not go to line 5
4. Is that chloride level less than 5000 mg/l? (Y/N) If yes then enter a one (1) on line 7
- 5 Do you have a pretreatment value for DO? (See above) (Y/N) ✓ If yes then go to line 6 if not enter a three (3) in line 7.
- 6 Is that DO greater than 2.5 mg/l? (Y/N) ✓ If yes then enter a two (2) on line 7 If not enter a three (3) on line 7.
7. 2 is the category of your pit. Use the Appropriate section.

Name of Principal Exec. Officer

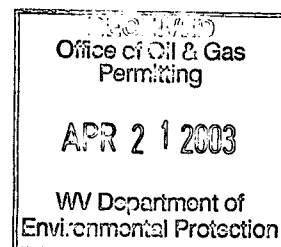
Title of Officer

Date Completed:

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the 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.

Signature of a Principal Exec. Officer or Authorized agent

Signature



WR-34

Page 2 of 3

Category 1

Sampling Results

API NO: 47-039-05322

Parameter	Predischage		Discharge		Units
	Limit	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	5	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	.5	_____	.5	_____	mg/l
Cl	5000	_____	5000	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC			Monitor	_____	mg/l
Oil and Grease			Monitor	_____	mg/l
Al***			Monitor	_____	mg/l
TSS			Monitor	_____	mg/l
Mn	Monitor	_____	Monitor	_____	mg/l
Volume			Monitor	_____	Gals.
Flow			Monitor	_____	Gals
Disposal Area			Monitor	_____	Acres

*** Al is only reported if the pH is above 9.0

Category 2

Sampling Results

API NO: 47-039-05322

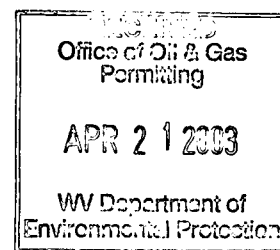
Parameter	Predischage		Discharge		Units
	Limit	Reported	Limits	Reported	
pH	6-10	<u>6.5</u>	6-10	<u>6.5</u>	S.U
Settling Time	10	<u>25</u>	N/A	N/A	Days
Fe	6	<u>.4</u>	6	<u>.50</u>	mg/l
D.O.	2.5	<u>4.0</u>	2.5	<u>4.0</u>	mg/l
Settleable Sol.	.5	<u>1.1</u>	.5	<u>1.2</u>	mg/l
Cl*	12,500	<u>3630</u>	12500	<u>3000</u>	mg/l
Oil	Trace	<u>None</u>	Trace	<u>None</u>	Obs.
TOC**			Monitor	<u>NA</u>	mg/l
Oil and Grease			Monitor	<u>6.2</u>	mg/l
Al***			Monitor	<u>NA</u>	mg/l
TSS			Monitor	<u>NA</u>	mg/l
Mn	Monitor	<u>1.42</u>	Monitor	<u>1.42</u>	mg/l
Volume			Monitor	<u>7480</u>	Gals.
Flow			Monitor	<u>41</u>	Gals
Disposal Area			Monitor	<u>1.5</u>	Acres

* Can Be 25,000 with inspectors approval,

(Inspector): _____ Date: _____

** Include a description of your aeration technique. = CODE #3

*** Al is only reported if the pH is above 9.0



CAUTION

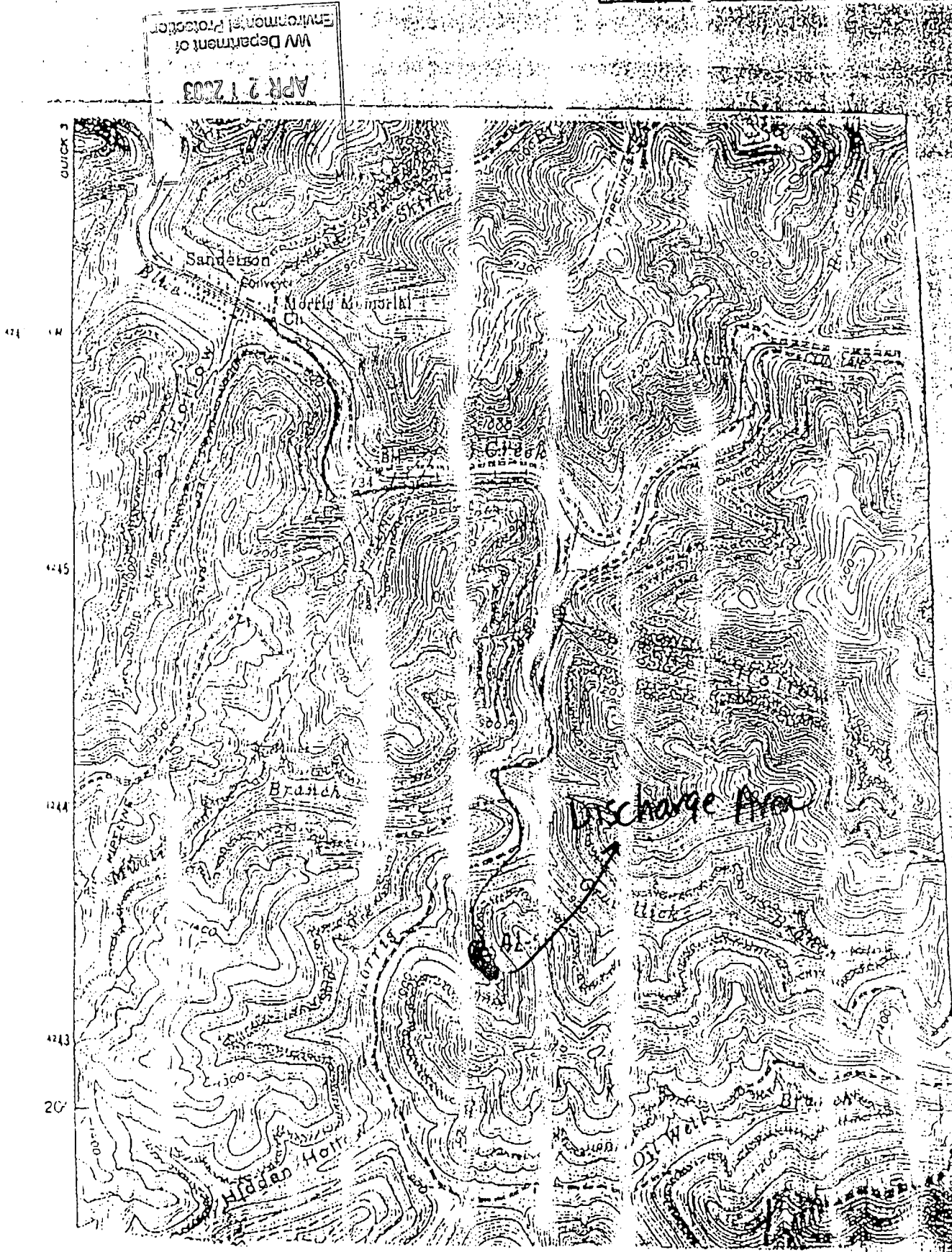
**DUE TO THE CONDITION OF
THE ORIGINAL DOCUMENT(S),
THE FOLLOWING IMAGE(S)
MAY BE OF POOR QUALITY**

ATTACH OR PHOTOCOPY SECTION OF
 INVOLVED TOPOGRAPHIC MAP.
 QUADRANGLE MAMMOTH

LEGEND

Well site

Access Road



65

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Appalachian Land Company Operator Well No 41350
LOCATION: Elevation: 819 Quadrangle: Mammoth

District: Elk County: Kanawha
Latitude: 6900 Feet South of 38 Deg. 22 Min. 30 Sec.
Longitude 11,025 Feet West of 81 Deg. 20 Min. 00 Sec.

Company: Reed Gas Inc

Address: 1206 Kanawha Blvd.E. -201 Charleston WV. 25301	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
	11 3/4	24'	0	NA
	8 5/8		254	150 Sks - 180 Cu Ft
Agent: James W. Reed Jr	4 1/2		2497	250 Sks - 440 Cu Ft
Inspector: Carlos Hively	2 3/8		1742	0
Date Permit Issued: 11/17/99				
Date Well Work Commenced: 1/20/00				
Date Well Work Completed: 2/8/00				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 1874				
Fresh Water Depth (ft.): 125				
Salt Water Depth (ft.): 950				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				

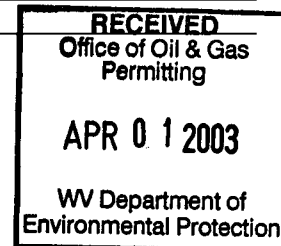
OPEN FLOW DATA

Producing formation Keener/ Lime Pay zone depth (ft) 1460 to 1582
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 793 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 345 psig (surface pressure) after 48 Hours

Second producing formation Upper & Lower Weir Pay zone depth (ft) 1654 to 1769
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.

Signed: Michael Reed
By: _____
Date: 03/11/03

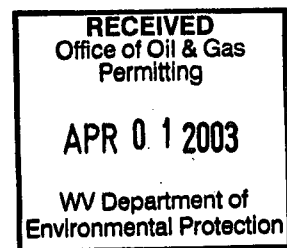


Company: Reed Gas Inc

Operator well #: 41350

GEOLOGICAL RECORD

DESCRIPTION	FROM	TO
Soil & Clay	0	15
Sand & Shale	15	440
Eagle Shale	440	449
Shale Break	449	503
Rosedale Sand	503	534
Shale Break	534	556
Salt Sand W/ intermittent Shale	556	1178
Red Rock & Grey Shale	1178	1365
Little Lime	1365	1404
Pencil Cave	1404	1431
Big Lime	1431	1571
Keener	1571	1596
McCrary Shale	1596	1650
Upper Weir	1650	1688
Shale Break	1688	1733
Middle Weir	1733	1738
Shale Break	1738	1754
Lower Weir	1754	1776
Shale	1776	1874

**COMPLETION REPORT – STIMULATION****Stage 1: Lower Weir**

No. of perforations 16 .39" from 1750 to 1769
500 Gal 15% Hcl acid 420 Gals 28% Hcl acid
381,382 Scf Nitrogen
19,700 lbs 20/40 sand
75% foam - avg treating PSI 3155

Stage 2: Upper Weir

No. of perforations 20 .39" from 1654 to 1671
500 Gal 15% Hcl acid
393,906 Scf Nitrogen
25,700 lbs 20/40 sand
75% foam - avg treating PSI 2733

Stage 3: Keener

No. of perforations 20 .39" from 1524 to 1582
500 Gal 15% Hcl acid
265,240 Scf Nitrogen
22,600 lbs 20/40 sand
75% foam - avg treating PSI 2218

Stage 4: Big Lime

No. of perforations 16 .39" from 1460 to 1479
500 Gal 15% Hcl & 330 gals 28% Hcl acid
235,174 Scf Nitrogen
12,500 lbs 20/40 sand
75% foam - avg treating PSI 2460

Comments: Rosedale show of gas at 530 ft (100 scf/day) then an additional 200 per day from Weir at 1769 ft

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

WELL WORK PERMIT

This permit, issued to REED GAS, INC. is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector CARLOS HIVELY at 304-543-0868 at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-654-3312 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operator's report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

This permit shall expire within two (2) years from the issue date.

If there are any questions, please feel free to contact me at 304-759-0517 or Mr. Al Blankenship at 304-759-0518.


Ava C. King

Chief
Office of Oil and Gas

Date of Signature: 11/17/99

Operator's Well No: AL-89

Farm Name: APPALACHIAN LAND CO.

API Well Number : 47- 39-05322

Date Issued : 11/17/99

Expires two (2) years from issue date.

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS 3905322
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Reed Gas, Inc.
~~Reed Brothers Limited Partnership~~ (41350) 4 455
- 2) Operator's Well Number: AL-89 3) Elevation: 819
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /
- 5) Proposed Target Formation(s): Injun Weir
- 6) Proposed Total Depth: 1900' feet
- 7) Approximate fresh water strata depths: 50' - 125'
- 8) Approximate salt water depths: 950'
- 9) Approximate coal seam depths: NA
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Drilling - Stimulation - Production
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	10 3/4"				0	NA
Fresh Water	8 5/8"	H-40	20#		250	To Surface
Coal						
Intermediate						
Production	4 1/2"	M-65	9.50		1850	To Surface Casing
Tubing	2 3/8"	J-55	4.6		1800	
Liners				C.H. 10-26-99		

PACKERS : Kind
Sizes
Depths set

For Office of Oil and Gas Use Only

7 Fee(s) paid: \$450 OK # 3/15 Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Agent
(Type)

1) Date: October 4, 1999
2) Operator's well number AL-89
3) API Well No: 47 - 039 - 05322
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: 5) (a) Coal Operator:
(a) Name Appalachian Land Co. Name None
Address P.O. Box 11718 Address _____
Charleston, WV 25339-1718
(b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name Appalachian Land Co.
Address P.O. Box 11718
Charleston, WV 25339-1718
(c) Name _____ Name _____
Address _____ Address _____
- 6) Inspector Carlos Hively (c) Coal Lessee with Declaration
Address 223 Pinch Ridge Rd. Name None
Elkview, WV 25071 Address _____
Telephone (304)- 965-6069

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

X 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)
X _____ 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.



OFFICIAL SEAL
Notary Public, State of West Virginia
ELIZABETH B. ELMORE
1618 Loudon Heights Rd.
Charleston, WV 25314
My commission expires July 21, 2007

Well Operator Reed Brothers, Limited Partnership
(41350)
By James W. Reed, Jr.
Its: President of General Partner
Address 1206 Kanawha Blvd. East Suite 201
Charleston, WV 25301
Telephone (304) 345-3817

Subscribed and sworn before me this 8th day of November, 1999

Elizabeth B. Elmore Notary Public
My commission expires July 21, 2007

39-05322

Form WW-2A(1)
(6/94)Operator's Well No. AL-89

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that--

(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book/Page</u>
Assignor Columbia Natural Resources	Assignee The Wiser Oil Company	1/8	Kanawha Bk 140 Pg 582
Assignor The Wiser Oil Company	Assignee Reed Brothers Limited Partnership	1/8	Kanawha Bk 140 Pg 982
Assignor The Wiser Oil Company	Assignee Reed Brothers Limited Partnership	1/8	Kanawha Bk 166 Pg 663

Well Operator: Reed Brothers Limited Partnership
By: James W. Reed, Jr.
Its: President & General Partner

West Virginia Division of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

____ Contractor Name _____
____ Well operator's private laboratory _____

Well Operator Reed Brothers Limited Partnership (41350)
Address 1206 Kanawha Blvd. East Suite 201
Charleston, WV 25301

Telephone (304) 345- 3817

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.
There are no water wells or springs within the 1000' limit.

Operator Name Reed Gas, Inc. Reed Brothers Limited Partnership OP Code 41350

Watershed Mual Lk. Br. to Morris Fk. to Blue Creek Quadrangle Mammoth

Elevation 819 County Kanawha District Elk

Description of anticipated Pit Waste: Cuttings, Drilling Fluid, Frac Blow Back Fluid

Will a synthetic liner be used in the pit? yes

☒ Land Application
☐ Underground Injection (UIC Permit Number _____)
☐ Reuse (at API Number _____)
☐ Off Site Disposal (Supply form WW-9 for disposal location)
☐ Other (Explain _____)

X Drilling _____ Swabbing
_____ Workover _____ Plugging
_____ Other (Explain _____)

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 thereto 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 or imprisonment.

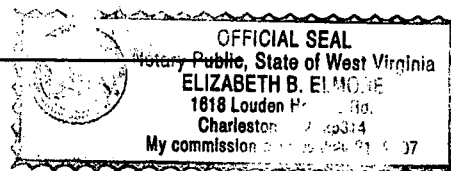
Company Official Signature James W. Reed, Jr.
Company Official (Typed Name) James W. Reed, Jr.
Company Official Title President-General Partner

Subscribed and sworn before me this 8th day of November, 1999

Elizabeth Belmore

Notary Public

My commission expires July 21, 2007



LEGEND

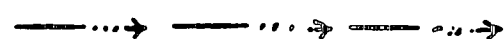
Property Boundary 

Road 

Existing Fence 

Planned Fence 

Stream 

Open Ditch 

Rock 

North 

Buildings 

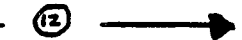
Water wells 

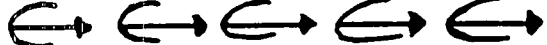
Drill site 

Diversion 

Spring 

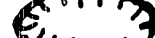
Wet Spot 

Drain Pipe with size in inches 

Waterway 

Cross Drain 

Artificial Filter Strip 

Pit: cut walls 

Pit: compacted fill walls 

Area for Land Application of Pit Waste 

Proposed Revegetation Treatment: Acres Disturbed _____ Prevegetation pH _____

Lime _____ Tons/acre or to correct to pH _____

Fertilizer (10-20-20 or equivalent) _____ lbs/acre (500 lbs minimum)

Mulch _____ Tons/acre

Seed Mixtures

Seed Type Area I
lbs/acre

Seed Type Area II
lbs/acre

Attach:

Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

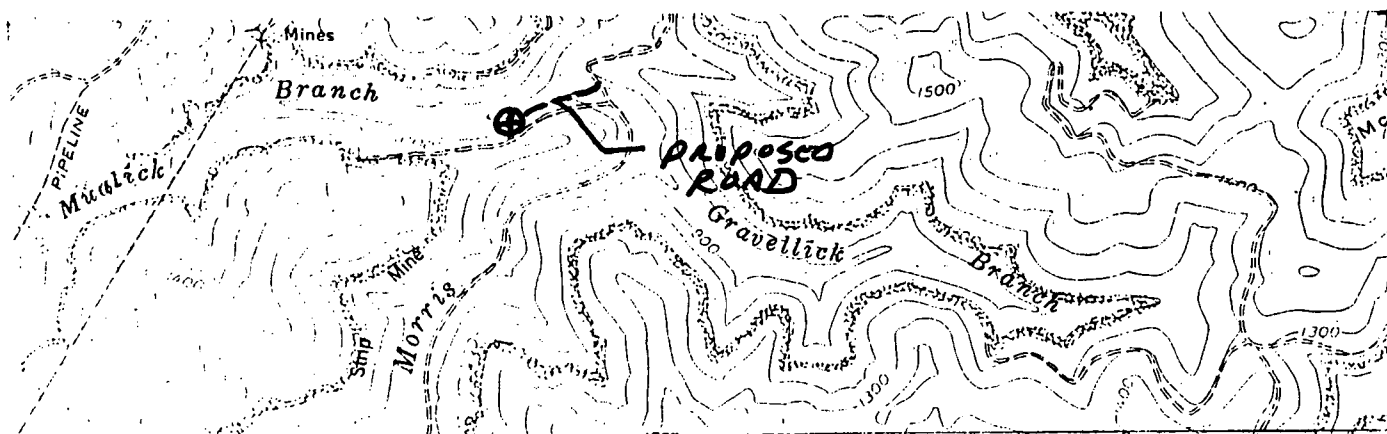
Plan Approved by: Carter H. Hively

Title: Inspector Date: 10-26-99

Field Reviewed? ☒ Yes ☐ No

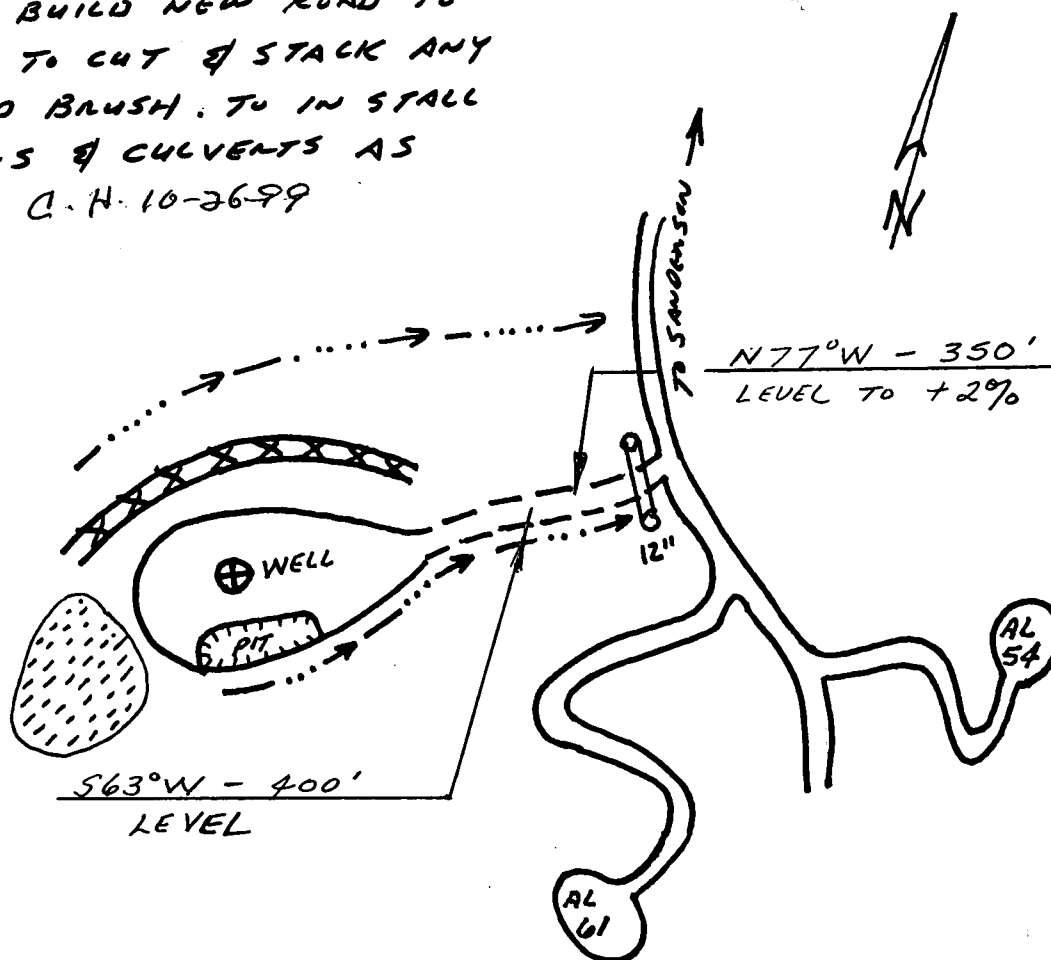
REED BROTHERS LIMITED PARTNERSHIP WELL NUMBER AL-89

39-05322



100' TO
NEAREST
BRANCH

PROPOSE TO BUILD NEW ROAD TO
WELL SITE. TO CUT & STACK ANY
TREES AND BRUSH. TO INSTALL
WATER BARS & CULVERTS AS
NEEDED. C.H. 10-2699



(REV 8-81)

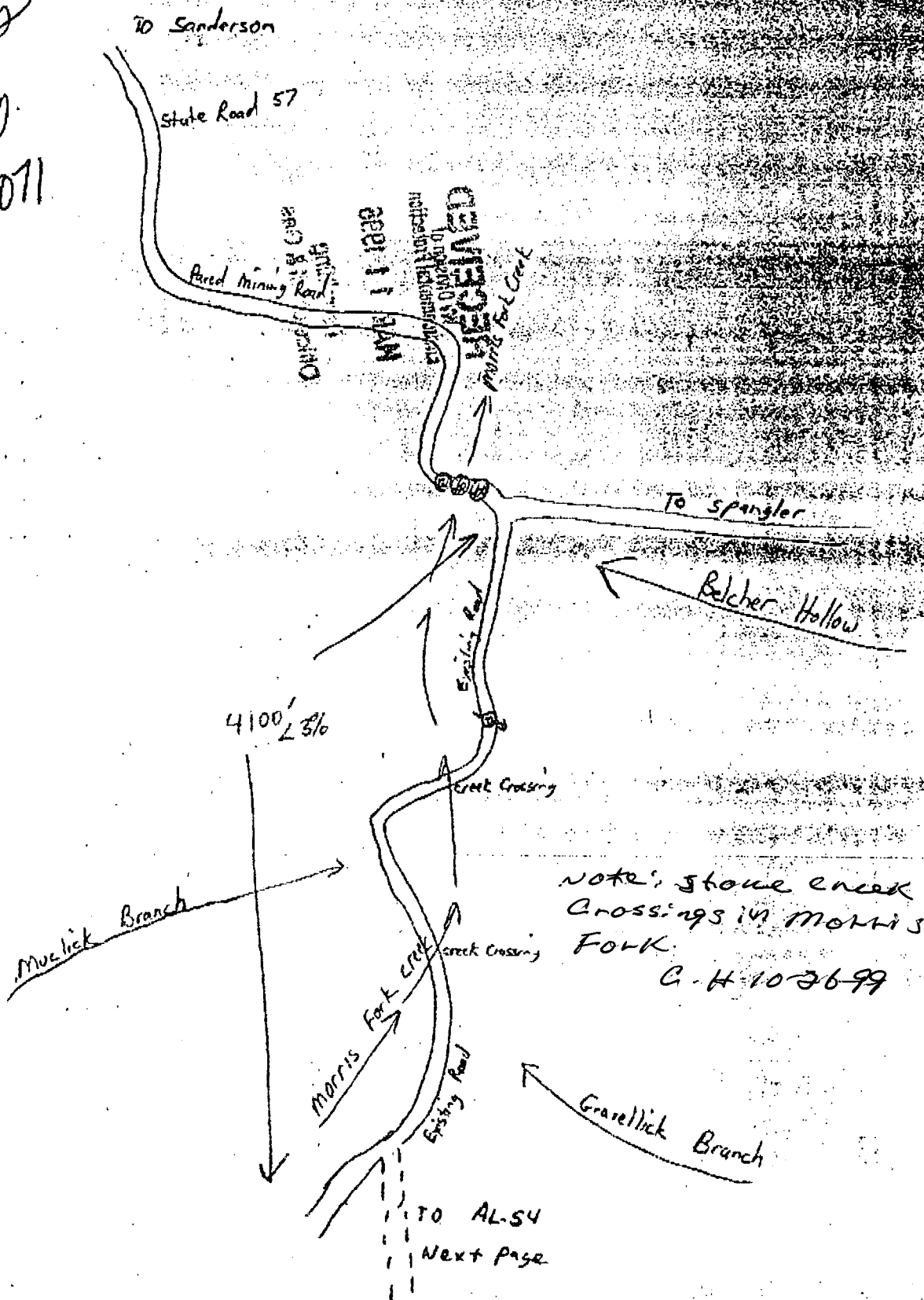
ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Mammoth

LEGEND

Well site: 

Access Road: 

Reed Brothers
Add Well No.
44-039-05071



NOTE: stone creek
crossings in Morris
Fork.
C.H. 102699

39-05322

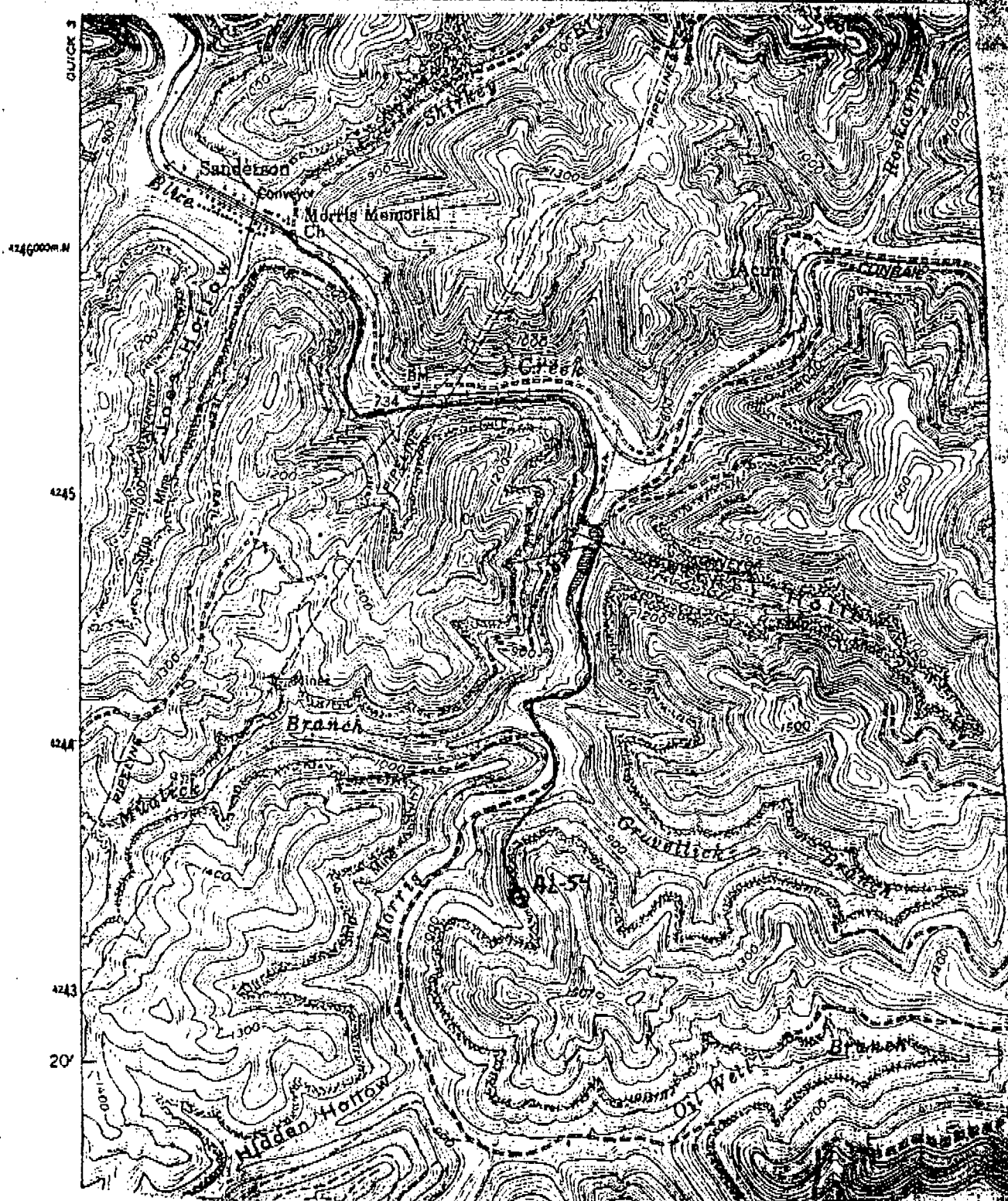
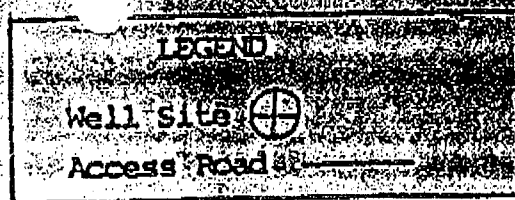
OCT-18-1999 14:26 FROM REED PARTNERS

TO

5486161 P.03

(REV 8-81)

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP,
QUADRANGLE MAMMOTH



(REV 8-81)

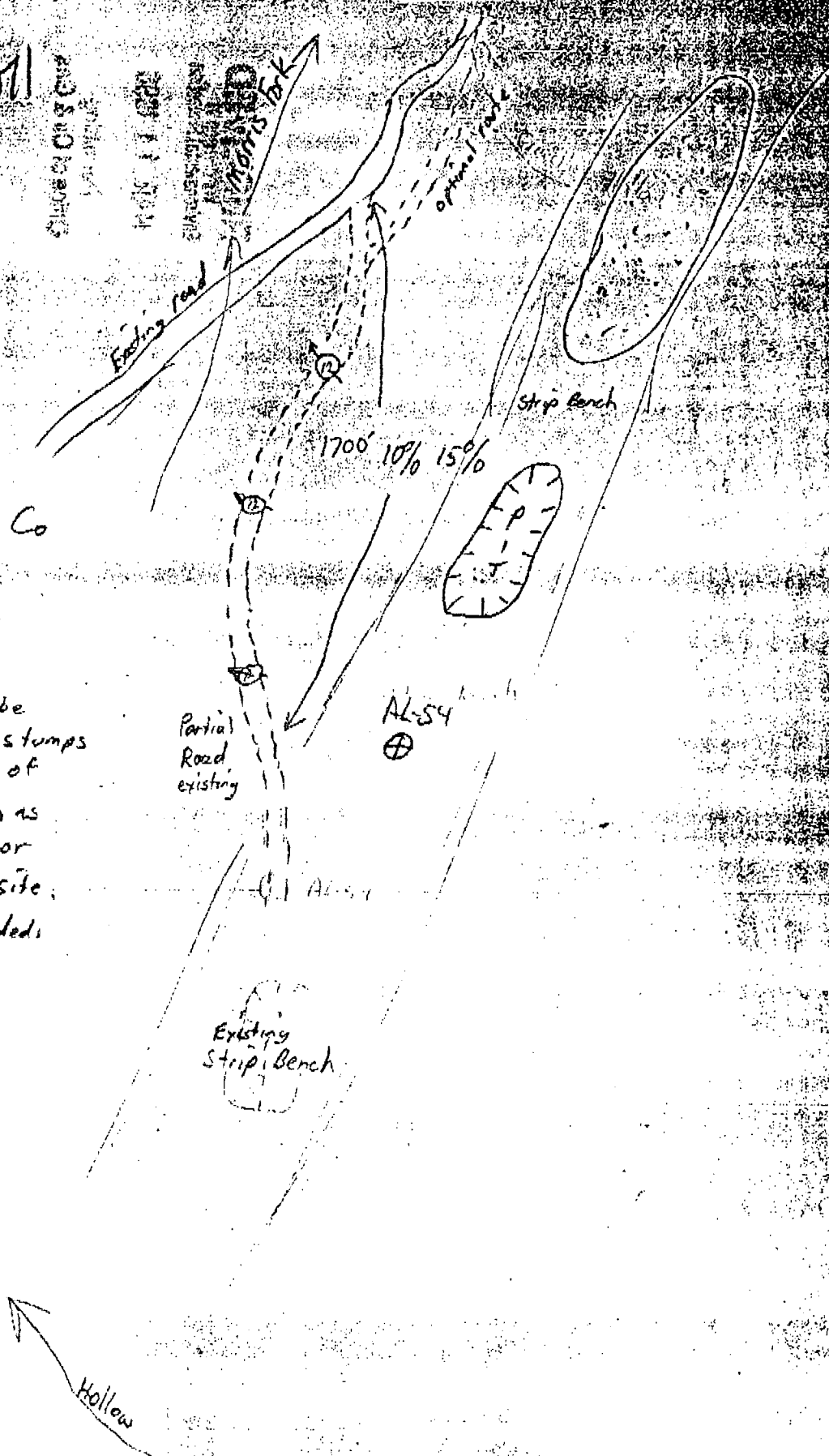
ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Mammoth



Reed Brothers
47039-05011

Appalachian Land Co
Surface Owner

All timber 6" and larger will be
cut and stacked. Brush and stumps
will be wind rowed at toe of
slope along road & location as
sediment barrier. No brush or
stumps in fill anywhere on site.
Culverts will be added as needed,
upgrade existing road as needed.



1) Date: October 4, 1999
2) Operator's well number AL-89
3) API Well No: 47 - 039 - 5322
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: 5) (a) Coal Operator:
(a) Name Appalachian Land Co. Name None
Address P.O. Box 11718 Address _____
Charleston, WV 25339-1718
(b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name Appalachian Land Co.
Address P.O. Box 11718
Charleston, WV 25339-1718
(c) Name _____ Name _____
Address _____ Address _____
- 6) Inspector Carlos Hively (c) Coal Lessee with Declaration
Address 223 Pinch Ridge Rd. Name None
Elkview, WV 25071 Address _____
Telephone (304)- 965-6069

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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

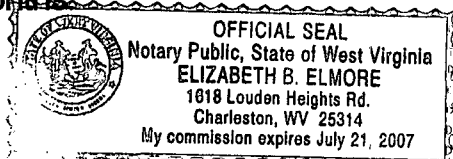
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

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

INSTRUCTIONS TO SURFACE OWNERS NAMED ABOVE

(Continued on Reverse)

The well operator named below is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months.



Well Operator Reed Brothers Limited Partnership (41350)
By: George P. Reed, Jr.
Its: President of General Partner
Address 1206 Kanawha Blvd. East Suite 201
Charleston, WV 25301
Telephone (304) 345-3817

Subscribed and sworn before me this 4th day of October, 1999

Elizabeth B. Elmore Notary Public
My commission expires July 21, 2007

Instructions to Surface Owners (cont.)

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Division of Environmental Protection
#10 McJunkin Road
Nitro, West Virginia 25143
(304)-759-0514

OR)District Oil and Gas Inspector
(Name and address listed on obverse
side of this notice)

Time limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address, and telephone number (if you have a telephone), the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and the that I have received copies of a Notice and Application for a Well Work Permit on Form WW-2A, and attachments consisting of pages 1 through ____ including a work order on Form WW-2B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by natural person)

(Signature) Date _____

(For execution by corporation, etc.)

Name Appalachian Land Company
By Jeffrey M. Asbury
Its President Date 11/12/99
Jeffrey M. Asbury Date 11/12/99
(Signature)

1) Date: October 4, 1999
2) Operator's well number
3) AI-89
API Well No: 47 - 039 - 05322
State County Permit

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

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Charleston, WV 25339-1718
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- 6) Inspector Carlos Hively (c) Coal Lessee with Declaration
Address 223 Pinch Ridge Rd. Name None
Elkview, WV 25071 Address _____
Telephone (304)- 965-6069

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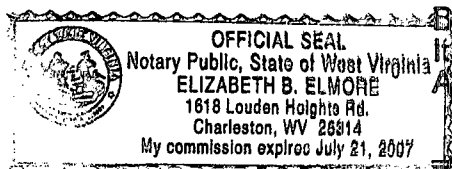
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

X 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 22-6 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)
X Certified Mail (Postmarked postal receipt attached)
 Publication (Notice of Publication attached)

(INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE ON REVERSE SIDE)



Well Operator Reed Brothers Limited Partnership (41350)
By: James M. Reed, Jr.
Its: President of General Partner
Address 1206 Kanawha Blvd. East Suite 201
Charleston, WV 25301
Telephone (304) 345-3817

Subscribed and sworn before me this 8th day of November, 1999

Elizabeth B. Elmore Notary Public
My commission expires July 21, 2007

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named above. You are hereby notified that any objection you wish to make or are required to make by Code 22-6-15, 16, or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office.

WAIVER

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 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: 11/12/99

Appalachian Land Company
By: Jeffrey M. Asbury
Its President

Issue
Waivers
Will Bring \$450
on 11/17/99.

API # 39.05322
Operator: REED BROTHERS GAS, INC.
Well #/Name: AL-89
County: KANAWHA
Reviewed By: HS

CHECK LIST FOR FILING A PERMIT

I. New Drill

- ☒ WW-2B
- ☒ WW-2B signed off by inspector
- ☒ WW-2A
- ☒ Surface Owner Waiver
- ☒ Coal Owner/Lessee/Operator Waiver
- ☒ WW-2A (1) including page and book and royalty percentage
- ☒ WW-2B (1) (If there are sources to be tested - we need names, addresses and location on topo listed as water testing)
- ☒ WW-9 (front and back)
- ☒ 10/26/99 Inspector Signature on WW-9
- ☒ Reclamation Plan
- ☒ Mylar Plat
- ☒ Topography Map of the proposed location
- ☒ Certified Mail Receipts or affidavit of personal service Waivers
- ☒ Blanket Bond St. The Reed GAS, INC.
- ☒ A check for \$450.00 Forthcoming - Sent a check for \$4.50

II. Re-Work, Frac and Drill Deeper Permits

- ☐ WW-2B
- ☐ WW-2B signed off by inspector
- ☐ WW-2A
- ☐ Surface Owner Waiver
- ☐ Coal Owner/Lessee/Operator Waiver
- ☐ WW-2A (1) including book and page and royalty percentage.
- ☐ WW-9 (front and back)
- ☐ Inspector Signature on WW-9
- ☐ Reclamation Plan
- ☐ Mylar Plat
- ☐ Topography Map of location for the well and pit
- ☐ Certified Mail Receipts or affidavit of person service
- ☐ Completion/Well Records of previous work
- ☐ Bond
- ☐ A check for \$350.00 if no pit \$250.00