

TEE Engineering Company, Inc.
320 Corners Hill Court
Lexington, KY 40509
(859) 263-5350
Fax (859) 263-5345

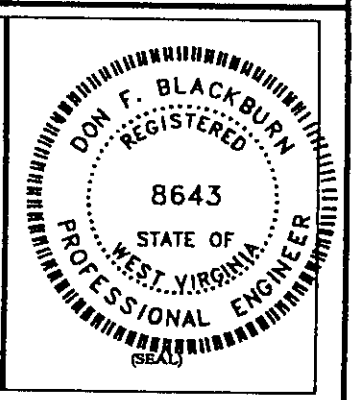
GeoMet Operating Company, Inc.
Well No. ALAWEST 110-129-049

FILE NO. 1899-00
DRAWING NO. AW-049 PLAT
SCALE: 1" = 2,000'
MIN. DEGREE OF ACCURACY 1 : 2,500
PROVEN SOURCE OF ELEVATION
GPS STATION TEC-1 (ELEV. 2406.60)

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.

Don F. Blackburn
(SIGNATURE)

R.P.E. 8643 R.P.S.



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

DATE OCTOBER 10, 2003
OPERATOR'S WELL NO. ALAWEST 110-129-049

WELL NO. 47 - 047 - 01650C / PERMIT
STATE COUNTY

WELL TYPE: OIL GAS X CBM LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,867.62' WATER SHED MILE BRANCH
DISTRICT SANDY RIVER COUNTY McDOWELL
QUADRANGLE IAEGER

SURFACE OWNER ALAWEST INC. ACREAGE 21,930.23
CBM ROYALTY OWNER ALAWEST INC. LEASE ACREAGE 21,930.23
LEASE NO. RECORDING IN PROGRESS

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION PEFORATE NEW
FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) WELL WORK

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION NEW RIVER AND POCAHONTAS COALS COMPLETED DEPTH 2,008'
WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT KERRY HILL
ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 206 ADDRESS 330 HARPER PARK DRIVE SUITE A
BIRMINGHAM, ALABAMA 35244 BECKLEY, WV 25801

(Big Sandy 285)

NOV 07 2003

Mcdow 1650C F

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

MB

Well Operator's Report of Well Work

FARM NAME: Alawest Inc.

OPERATOR WELL NO.: Alawest # 049

LOCATION:

Elevation: 1,867.62.10'

Quadrangle: Jaegar

District: Sandy River County: McDowell

Latitude: 4,425' Feet South of 37 Deg. 27 Min. 30 Sec.

Longitude: 7,714' Feet West of 81 Deg. 45 Min. 30 Sec.

Company: <u>GeoMet Operating Company</u>	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Address: <u>5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244</u>	<u>13-3/8"</u>	<u>10'</u>	<u>10'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>320'</u>	<u>320'</u>	<u>132/Pumped 150</u>
Date Permit Issued: <u>May 7, 2002</u>				
Date Well Work Commenced: <u>August 2, 2002</u>	<u>5-1/2"</u>	<u>1968'</u>	<u>1968'</u>	<u>341/Pumped 390</u>
Date Well Work Completed: <u>October 15, 2002</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>2008'</u>				
Fresh Water Depth (feet): <u>Unknown</u>				
Salt Water Depth (feet): <u>Unknown</u>				
Is coal being mined in area (N/Y)? <u>No</u>				

Coal Depths (feet): 338/365/369/696/726/967/1056/1464/1503/1570/1726/1795/1809

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft) _____
Gas: Initial Open Flow N/A MCF/d Oil: Initial Open Flow _____ Bbl/d
Final Open Flow N/A MCF/d Final Open Flow _____ Bbl/d
Time of Open Flow between initial and final tests N/A Hours
Static Rock Pressure 195 psig (surface pressure) after 96 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.

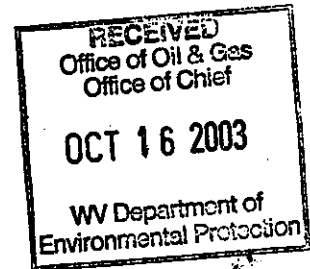
SIGNED:

Karen Rife

BY:

DATE:

February 7, 2003



NOV 14 2003

McDow 1650C

API #: 47-01650C

Attachment 5B (2)

Operator Well #: AW #049

Farm Name: Alawest Inc.

1.) Details of perforated intervals, fracturing or stimulating, physical change, etc.

1st Stage:

Perf P2, 1572' - 1576' & frac on 10/15/02 by Superior with 70Q Foam 26,000# 16/30 Sand, 386,000 SCF N₂, 155 Total Bbls Fluid. Breakdown Pressure 3506 PSIG, Average Pressure 2760 PSI, 1861 ISIP

2nd Stage:

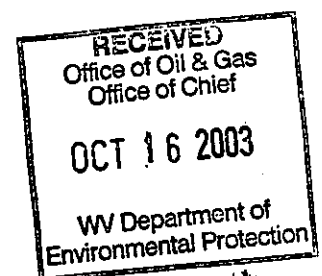
Perf P3, 1475' - 1506'/Perf P2-1, 1475' - 1479', 1504' - 1506' & frac on 10/15/02 by Superior with 70Q Foam 18,000# 16/30 Sand, 330,000 SCF N₂, 190 Total Bbls Fluid. Breakdown Pressure 4235 PSIG, Average Pressure 2695 PSI, 1861 ISIP

3rd Stage:

Perf P9-7, 1056' - 1060' & frac on 10/15/02 by Superior with 70Q Foam 18,000# 16/30 Sand, 364,000 SCF N₂, 238 Total Bbls Fluid. Breakdown Pressure 2330 PSIG, Average Pressure 1956 PSI, 1574 ISIP

4th Stage:

Perf P10, 969' - 971' & frac on 10/15/02 by Superior with 70Q Foam 18,000# 16/30 Sand, 280,000 SCF N₂, 131 Total Bbls Fluid. Breakdown Pressure 3686 PSIG, Average Pressure 2703 PSI, 1924 ISIP



DRILL DATA HOLE - NOAH HORN WELL DRILLING, INC.

COMPANY: GEOMET OPERATING CO. HOLE NO.: ALAWEST-049

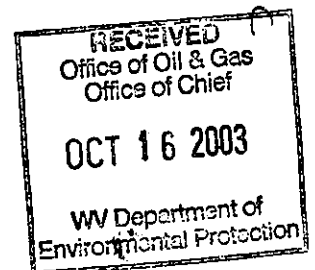
LOCATION: DRILL: RIG # 23

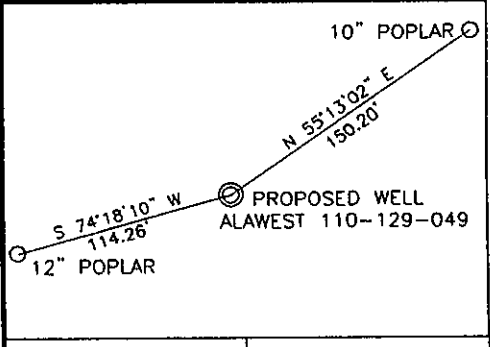
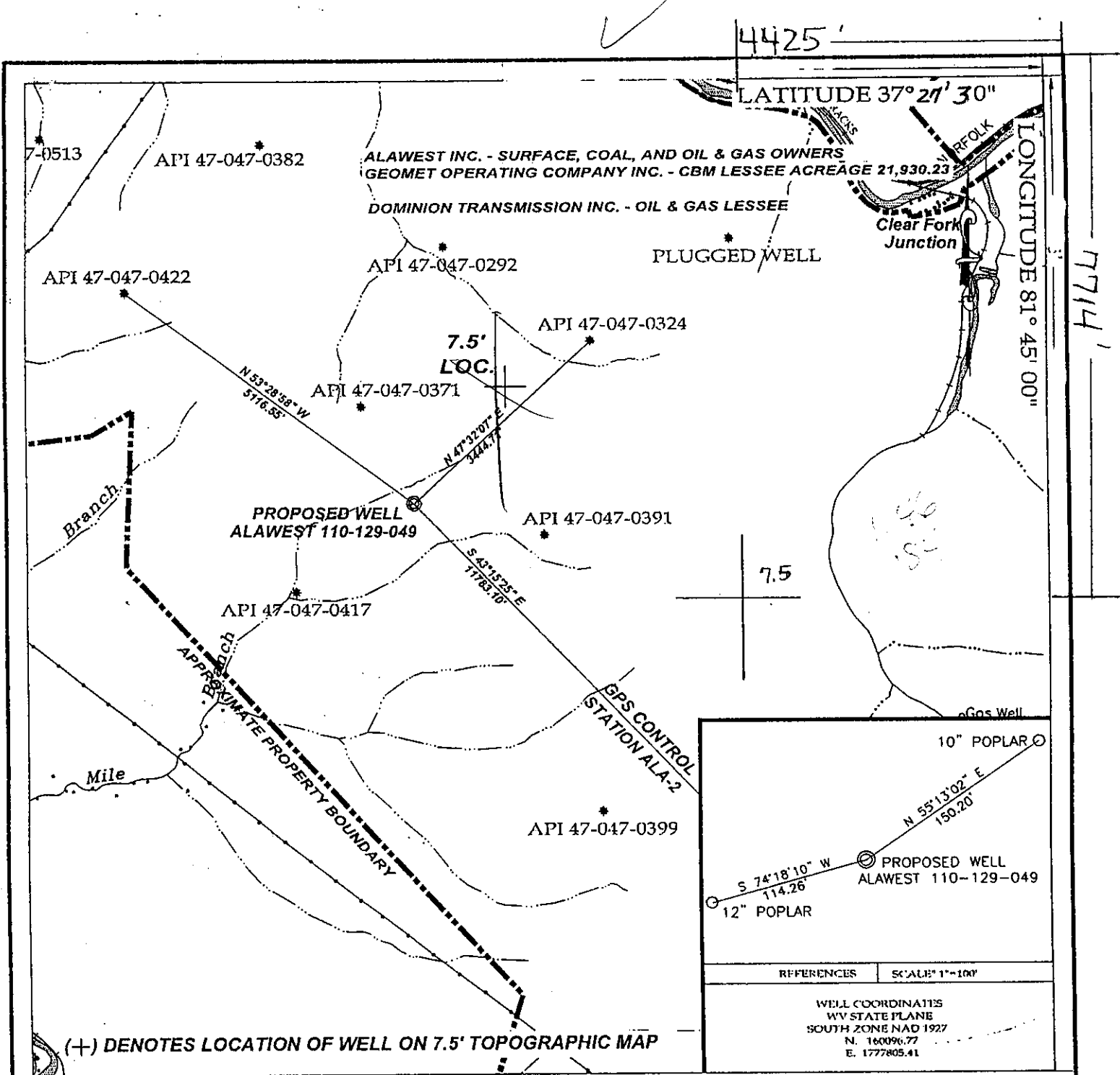
DATE STARTED: 08-02-2002 DATE COMPLETED: 08-08-2002

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0.00	9.95	9.95	OVERBURDEN	9.95' W/ 13 3/8" CASING
9.95	270.00	260.05	SANDY SHALE	
270.00	300.00	30.00	SANDY SHALE / COAL	
300.00	330.00	30.00	SANDY SHALE	320' W/ 8 5/8" CASING
330.00	360.00	30.00	SANDY SHALE / SAND	
360.00	390.00	30.00	SANDY SHALE / COAL STR / SAND	
390.00	420.00	30.00	SANDY SHALE	
420.00	480.00	60.00	SHALE	
480.00	600.00	120.00	SANDY SHALE	
600.00	630.00	30.00	SHALE	
630.00	660.00	30.00	SANDY SHALE	
660.00	690.00	30.00	ST	
690.00	750.00	60.00	SANDY SHALE	
750.00	900.00	150.00	ST	
900.00	930.00	30.00	SANDY SHALE	
930.00	960.00	30.00	ST	
960.00	1110.00	150.00	SANDY SHALE	
1110.00	1170.00	60.00	SHALE	
1170.00	1200.00	30.00	SANDY SHALE	
1200.00	1220.00	20.00	ST	
1220.00	1230.00	10.00	SANDSTONE	
1230.00	1260.00	30.00	SAND / SANDY SHALE / SAND	
1260.00	1270.00	10.00	SANDSTONE	
1270.00	1375.00	105.00		
1375.00	1405.00	30.00	SANDSTONE	
1405.00	1435.00	30.00	SAND / SANDY SHALE / SAND	
1435.00	1465.00	30.00	SANDSTONE	
1465.00	1495.00	30.00	SAND / SANDY SHALE	
1495.00	1525.00	30.00	SANDY SHALE / SAND / SANDY SHALE	
1525.00	1555.00	30.00	COAL STR / SANDSTONE	
1555.00	1585.00	30.00	SAND / SANDY SHALE STR / SAND	
1585.00	1615.00	30.00	COAL STR / SANDY SHALE	
1615.00	1645.00	30.00	COAL / SANDY SHALE / SAND	
1645.00	1735.00	90.00	SANDSTONE	
1735.00	1915.00	180.00	SANDY SHALE	
1915.00	1945.00	30.00	ST	
1945.00	2008.00	63.00	SANDY SHALE	TD 7 7/8" HOLE

2008.00 FT. TOTAL DEPTH
 9.95 FT. OF 13 3/8" CASING
 320.00 FT. OF 8 5/8" CASING

NOV 14 2003





REFERENCES SCALE: 1"=100'

WELL COORDINATES
 WV STATE PLANE
 SOUTH ZONE NAD 1927
 N. 160096.77
 E. 1777805.41

(+) DENOTES LOCATION OF WELL ON 7.5' TOPOGRAPHIC MAP

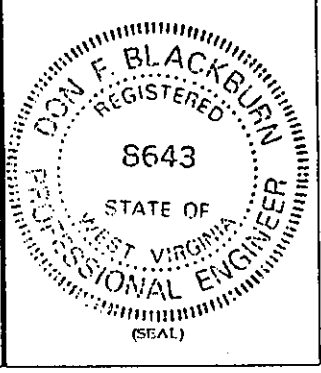
TEE Engineering Company, Inc.
 320 Carter Hill Court
 Lexington, KY 40509
 (606) 263-5190
 Fax (606) 263-5345

GeoMet Operating Company, Inc.
 Well No. ALAWEST 110-129-049

FILE NO. 1899-00
 DRAWING NO. AW-049 PLAT
 SCALE: 1" = 2,000'
 MIN. DEGREE OF ACCURACY 1:2,500
 PROVEN SOURCE OF ELEVATION
 GPS STATION TEC-1 (ELEV. 2406.60)

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.

Don F. Blackburn
 (SIGNATURE)
 R.P.E. **8643** R.P.S. _____



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

DATE MARCH 20, 2002
 OPERATOR'S WELL NO. ALAWEST 110-129-049

WELL TYPE: OIL _____ GAS CBM _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION 1,867.62' WATER SHED _____ MILE BRANCH _____
 DISTRICT SANDY RIVER COUNTY McDOWELL
 QUADRANGLE IAEGER

SURFACE OWNER ALAWEST INC. ACREAGE 21,930.23
 CBM ROYALTY OWNER ALAWEST INC. LEASE ACREAGE 21,930.23
 LEASE NO. _____ RECORDING IN PROGRESS _____

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 NEW RIVER AND POCAHONTAS COALS ESTIMATED DEPTH 2,008' **MAY 10 2002**
 WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT GREGG CLEARY
 ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 206 ADDRESS 1105 HEATHERWOOD ROAD
BIRMINGHAM, ALABAMA 35244 BLUEFIELD, WV 24701

6-6 Big Sandy 285

7714

Mc Dow 1650 C

Mc B

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

Well Operator's Report of Well Work

FARM NAME: Alawest Inc.

OPERATOR WELL NO.: Alawest # 049

LOCATION:

Elevation: 1,867.62.10'

Quadrangle: Iaegar

District: Sandy River County: McDowell
Latitude: 4,425' Feet South of 37 Deg. 27 Min. 30 Sec.
Longitude: 7,714' Feet West of 81 Deg. 45 Min. 30 Sec.

Company: <u>GeoMet Operating Company</u>	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Address: <u>5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244</u>	<u>13-3/8"</u>	<u>10'</u>	<u>10'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>320'</u>	<u>320'</u>	<u>132/Pumped 150</u>
Date Permit Issued: <u>May 7, 2002</u>				
Date Well Work Commenced: <u>August 2, 2002</u>	<u>5-1/2"</u>	<u>1968'</u>	<u>1968'</u>	<u>341/Pumped 390</u>
Date Well Work Completed: <u>October 15, 2002</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable Rig				
Total Depth (feet): <u>2008'</u>				
Fresh Water Depth (feet): <u>Unknown</u>				
Salt Water Depth (feet): <u>Unknown</u>				
Is coal being mined in area (N/Y)? <u>No</u>				

Coal Depths (feet): 338/365/369/696/726/967/1056/1464/1503/1570/1726/1795/1809

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft) _____
Gas: Initial Open Flow N/A MCF/d Oil: Initial Open Flow _____ Bbl/d
Final Open Flow N/A MCF/d Final Open Flow _____ Bbl/d
Time of Open Flow between initial and final tests N/A Hours
Static Rock Pressure 195 psig (surface pressure) after 96 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:

Karen Rife

BY:

DATE:

February 7, 2003

Mc Dow 1650C

API #: 47-01650C

Operator Well #: AW #049

Farm Name: Alawest Inc.

1.) Details of perforated intervals, fracturing or stimulating, physical change, etc.

1st Stage:

Perf P2, 1572' - 1576' & frac on 10/15/02 by Superior with 70Q Foam 26,000# 16/30 Sand, 386,000 SCF N2, 155 Total Bbls Fluid. Breakdown Pressure 3506 PSIG, Average Pressure 2760 PSI, 1861 ISIP

2nd Stage:

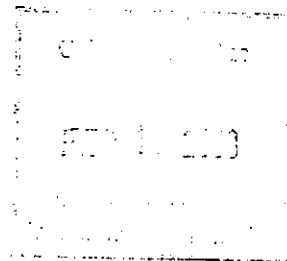
Perf P3, 1475' - 1506'/Perf P2-1, 1475' - 1479', 1504' - 1506' & frac on 10/15/02 by Superior with 70Q Foam 18,000# 16/30 Sand, 330,000 SCF N2, 190 Total Bbls Fluid. Breakdown Pressure 4235 PSIG, Average Pressure 2695 PSI, 1861 ISIP

3rd Stage:

Perf P9-7, 1056' - 1060' & frac on 10/15/02 by Superior with 70Q Foam 18,000# 16/30 Sand, 364,000 SCF N2, 238 Total Bbls Fluid. Breakdown Pressure 2330 PSIG, Average Pressure 1956 PSI, 1574 ISIP

4th Stage:

Perf P10, 969' - 971' & frac on 10/15/02 by Superior with 70Q Foam 18,000# 16/30 Sand, 280,000 SCF N2, 131 Total Bbls Fluid. Breakdown Pressure 3686 PSIG, Average Pressure 2703 PSI, 1924 ISIP



McDow 1650 C

MAR 28 2003