

Denny L. Frost
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

FEB 08 1999

ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

P.O. BOX 507
DULCE, NEW MEXICO 87528

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Conoco) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Ax. Apache O-6

Location: Unit: D Sec. 4 T. 25 N R. 4 W County Rio Arriba

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 12' width 18' depth 2'

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 70'

Direction from reference: 45° Degrees ☒ East ☐ North ☒
of
☐ West ☐ South

Depth to Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 0

Wellhead Protection Area:

(Less than 200 feet from a private domestic water source, or less than 1,000 feet from all other water sources)

Yes (20 points)
No (0 points) 0

Distance to Surface Water:

(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1,000 feet (10 points)
Greater than 1,000 feet (0 points) 0

Distance to Ephemeral Stream (dry wash):

(Horizontal distance to all downgradient streams having a width of at least 10 feet)

Less than or equal to 100 feet (10 points)
Greater than 100 feet (0 points) 10

Distance to Nearest Lake, Playa, or Watering Pond:

(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)

Less than or equal to 100 feet (10 points)
Greater than 100 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 10/9/98 Date Completed: 12/15/98

Remediation Method: Excavation X Approx. Cubic Yards 583

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds): 583

Other _____

Remediation Location: Onsite X Offsite _____
(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed contaminated soil from all four side walls
as to get a below 100 ppm headspace readings.
Pit bottom has a small pocket of contaminated in
Pit center, At 30' depth. Final excavation: 25' X 21' X 30'.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample Location North, East, South, west side walls
and Pit bottom

Sample depth 30'

Sample date 10/12/98 Sample time 1400/1401

Sample Results

Soil: Benzene (ppm) NID Water: Benzene (ppb) _____

Total BTEX (ppm) .0497 Toluene (ppb) _____

Field headspace (ppm) 1008 Ethylbenzene (ppb) _____

TPH 35 ppm Method 8015 Total Xylenes (ppb) _____

Ground Water Sample: Yes _____ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE 11/23/98

PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham

AND TITLE Environmental Technician II

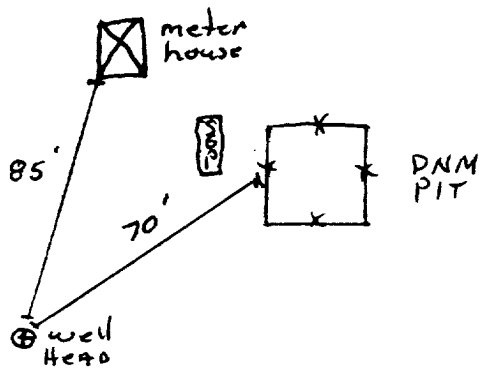
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Ken C. M... DATE: 11-30-98

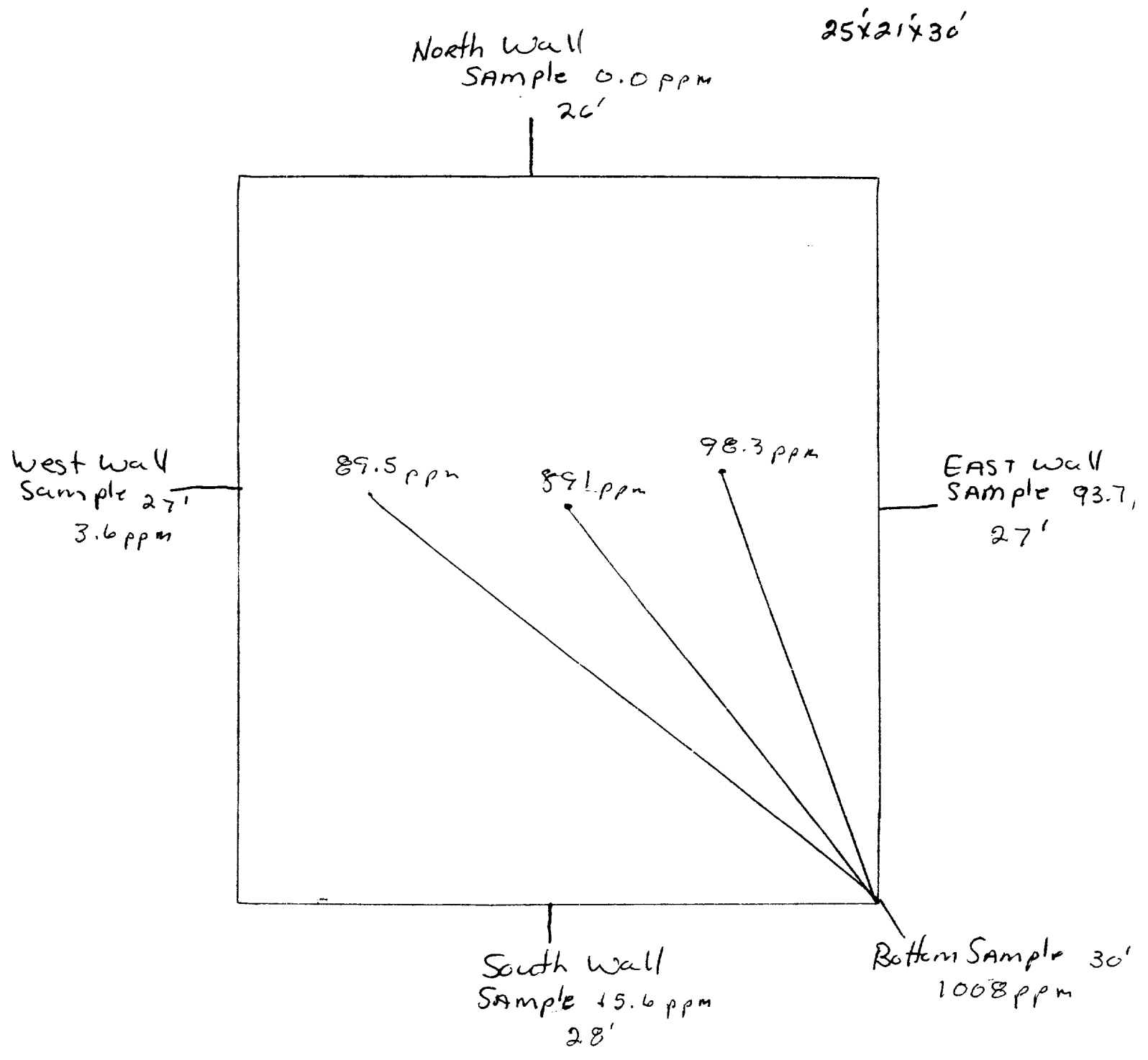
A+1 Apache O-6
Sec-4 T-25N R-4W ul D

SITE DRAWING



At: Apache 0-6
Sec-4 T-25N R-4W ULD
Conoco

EXCAVATION DRAWING



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 29-Oct-98

CLIENT: PNM - Public Service Company of NM

Project: Axi Apache O6

Lab Order: 9810054

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 29-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache O6
Work Order:	9810054	Client Sample ID:	9810121401; 3pt. Comp. Bottom
Lab ID:	9810054-02A	Matrix:	SOIL
Project:	Axi Apache O6	Collection Date:	10/12/98 2:01:00 PM
		COC Record:	7351

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	35	25		mg/Kg	1	10/23/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	2		µg/Kg	2	10/23/98
Toluene	ND	4		µg/Kg	2	10/23/98
Ethylbenzene	5.7	2		µg/Kg	2	10/23/98
m,p-Xylene	33	4		µg/Kg	2	10/23/98
o-Xylene	11	2		µg/Kg	2	10/23/98

49.7
0.0497 ppm

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

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1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 29-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache O6
Work Order:	9810054	Client Sample ID:	9810121400; 4pt. Comp. Walls
Lab ID:	9810054-01A	Matrix:	SOIL
Project:	Axi Apache O6	Collection Date:	10/12/98 2:00:00 PM
		COC Record:	7351

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/22/98

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
- J - Analyte detected below Practical Quantitation Limit
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr - Surrogate

1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

JICARILLA APACHE TRIBE
ENVIRONMENTAL
PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Conoco) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Ax. Apache C-6
Location: Unit: D Sec. D T. 25 N R. 4 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 10/9/98 Date Completed: 12/1/98
Remediation Method: Landfarmed X Approx. cubic yards 583
Composted —
Other —

Depth to Ground Water: (pts.) 0
Distance to an Ephemeral Stream: (pts.) 10
Distance to Nearest Lake, Playa,
or Watering Pond: (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance to Surface Water: (pts.) 0
Ranking Score (Total Points): 10

Final Closure Sampling:

Sampling Date: 11/18/98 Time 1332
Sampling Results:
Field Headspace (ppm) 41.6
TPH (ppm) ND Method 8015
Other —

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

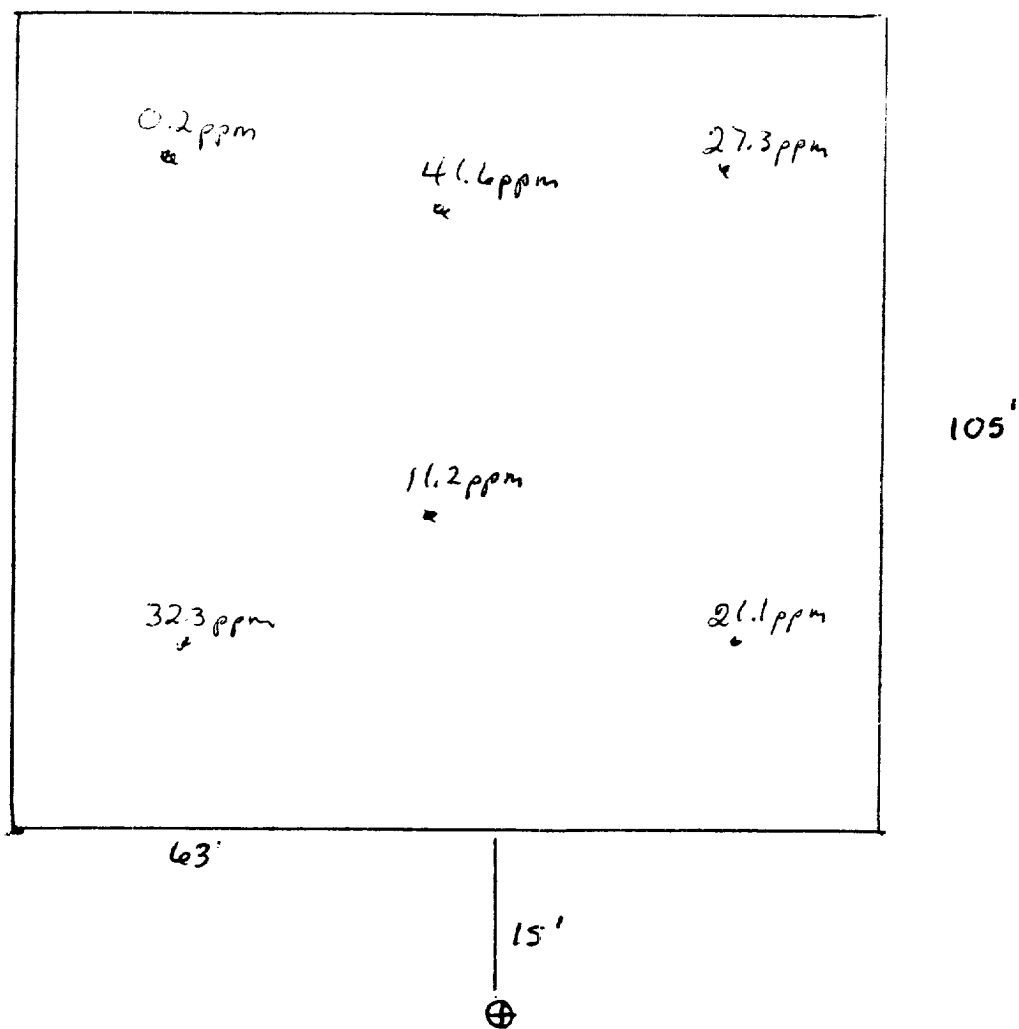
DATE 12/6/98 PRINTED NAME Roy Burnham
SIGNATURE Roy Burnham AND TITLE Environmental Technician II

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE
JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE

APPROVED: YES X NO — (REASON) use as Backfill
SIGNED: Ken Cymel DATE: 12-15-98

Ax, Apache O-6
Sec-4 T-25N R-4W ULD
Conoco

LAND FARM DRAWING



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 03-Dec-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla Pit Remediation Landfarms
Lab Order: 9811062

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 03-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache O-6 LF
Work Order:	9811062	Client Sample ID:	9811181332; 6pt. Comp.
Lab ID:	9811062-04A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation Landfarms	Collection Date:	11/18/98 1:32:00 PM
		COC Record:	7404

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	12/1/98

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

1 of 1

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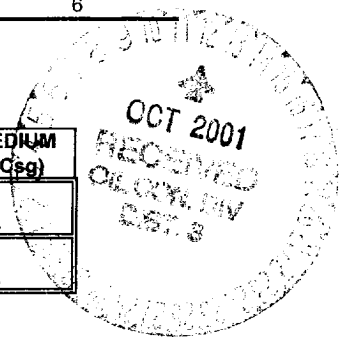
TECHNOLOGIES RESPONDING INDUSTRY WITH THE ENVIRONMENT

**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

NORTHWEST NEW MEXICO PACKER -LEAKAGE TEST

Operator Conoco Lease Name AXI Apache M Well No. 6

Location of Well: Unit Letter A Sec. 4 Twp. 25N Range 4W
Location of well API # 30-039 22950



	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. Or Csg)
Upper Completion	PC	Gas	Flow	Tbg.
Lower Completion	MV	Gas	Flow	Tbg.

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour shut-in	Date shut-in	Instant SI Pressure	SI press. Psig	Stabilized? (Yes or No)
	8:24 a.m.	9/24/2001	10 min	71	no
Lower Completion	Hour shut-in	Date shut-in	Instant SI Pressure	SI press. Psig	Stabilized? (Yes or No)
	8:24 a.m.	9/24/2001	10 min	207	no

FLOW TEST NO. 1

Commenced at (hour, date)		8:00 a.m.	9/25/2001	Zone producing (upper or lower)	
TIME Date	LAPSED TIME SINCE*	PRESSURE		Remarks	
		Upper	Lower		
9/25/2001	Day 1	115	378	Shut-in both zones	
9/26/2001	Day 2	132	392	Shut-in both zones	
9/27/2001	Day 3	139	395	Shut-in both zones	
9/28/2001	Day 4	149	399	Shut-in both zones	
9/29/2001	Day 5	154	406	Shut-in both zones	
9/30/2001	Day 6	158	412	Shut-in both zones	

Production rate during test

Oil		BOPD based on		Bbls.in		Hours		Grav.		GOR
Gas	20/20	MCFPD; Tested thru (Orifice or Meter):		Meter/Orifice						

MID-TEST SHUT-IN PRESSURE DATA

Upper Completion	Hour	Date	Instant SI Pressure	SI press. Psig	Stabilized? (Yes or No)
Lower Completion	Hour	Date	Instant SI Pressure	SI press. Psig	Stabilized? (Yes or No)

FLOW TEST NO. 1 Continued

Commenced at (hour, date)				Zone producing (upper or lower)	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		Remarks	
		Upper	Lower		
10/1/2001	Day 7	161	420	Flowed MV	
10/2/2001	Day 8	163	133	Tested OK	

Production rate during test

Oil		BOPD based on		Bbls.in		Hours		Grav.		GOR
Gas		MCFPD; Tested thru (Orifice or Meter):								

Remarks

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved OCT 12 2001 Date _____
New Mexico Oil Conservation Division
ORIGINAL SIGNED BY CHARLIE T. FERRIN
By _____ Date _____
Title DEPUTY OIL & GAS INSPECTOR, DIST. 3
Operator Conoco
By Shirley L. Ebert
Title FPS
Date 10/8/01