GW - 58

GENERAL CORRESPONDENCE

YEAR(S):

2006 - 1990

TEPPCO

P.O. Box 2521
Houston, Texas 77252-2521
Office 713/759-3636
Facsimile 713/759-3783

April 28, 2006

SENT VIA FEDERAL EXPRESS
NEXT DAY DELIVERY

Mr. Wayne Price
New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: TEPPCO NGL Pipelines, LLC
TEPPCO Val Verde System Discharge Permit Renewals
San Juan and Rio Arriba County, New Mexico

Dear Mr. Price:

TEPPCO NGL Pipelines, LLC ("TEPPCO") is submitting the enclosed signed groundwater discharge plans for 9 of its Val Verde Gas Gathering system compressor stations and 1 gas plant located in San Juan and Rio Arriba Counties, New Mexico. Enclosed with the discharge plan renewal is TEPPCO Check No. **0200001128** (Attachment 3) in the amount of **$19,300.00** for the permit fees. Please refer to the attached facility schedule (Attachment 2) which outlines the submittal dates and payments made for the filing fees and permit fees. Please note the application filing fees for each facility were previously paid with the submittal of the groundwater discharge plan renewal applications.

TEPPCO does not request any major changes to the permit documents as prepared by the New Mexico OCD; however, the dates referenced for the submittal of the discharge plan renewals are not correct for each facility. Each permit states that the renewal applications were submitted on October 31, 2005; however, the 10 renewals were submitted on a staggered schedule ranging from October 11, 2005 to October 31, 2005. Please refer to the attached facility schedule for the appropriate renewal submittal dates.

Notwithstanding the submittal of the enclosed permit fees and documents, TEPPCO does not waive its right to question or dispute the need and/or requirement for this permit at the referenced facilities or other Val Verde facilities.

If you have any questions or require additional information, please contact Peter Cain at (713) 284-5213 or myself at (713) 759-3553.

Sincerely,

Deodat P. Bhagwandin
Manager, Environmental Protection

Val Verde Gas Gathering System Permit Renewal Costs and Schedule

Priority	Station Name	Permit #	Expiration Date	Submittal Date	Application Fee	Permit Fees
1	Hart Canyon	GW-058	10/11/05	10/11/2005	$ 100.00	$1,700.00
2	Manzanares	GW-059	10/11/05	10/11/2005	$ 100.00	$1,700.00
3	Pump Canyon	GW-057	10/11/05	10/11/2005	$ 100.00	$1,700.00
4	Val Verde Treater	GW-051	9/27/05	10/27/2005	$ 100.00	$4,000.00
5	Arch Rock	GW-183	2/21/05	10/19/2005	$ 100.00	$1,700.00
6	Sandstone	GW-193	6/2/05	10/19/2005	$ 100.00	$1,700.00
7	Frances Mesa	GW-194	6/9/05	10/19/2005	$ 100.00	$1,700.00
8	Pump Mesa	GW-148	4/9/03	10/28/2005	$ 100.00	$1,700.00
9	Gobernador	GW-056		10/31/2005	$ 100.00	$1,700.00
10	Sims Mesa	GW-146	4/3/03	10/28/2005	$ 100.00	$1,700.00

Grand Total: **$1,000.00** (paid) **$19,300.00** (paid April 28, 2006)

Chavez, Carl J, EMNRD

From: plcain@teppco.com
Sent: Friday, April 28, 2006 2:37 PM
To: Price, Wayne, EMNRD
Cc: Chavez, Carl J, EMNRD; DPBhagwandin@TEPPCO.COM
Subject: TEPPCO Val Verde Discharge Permits

Mr. Price,

I wanted to let you know that we have signed and completed the discharge permits that you submitted to us at the beginning of April. We have sent them back to you via Federal Express Next Day. You should receive them by Monday. Also included is a check for the permit fees for all 10 facilities and a spreadsheet outlining all 10 facilities and the permit fees due. Please let me know if you do not receive the package.

While we really don't have any comments regarding the permits, I wanted to note that each discharge permit stated that the renewals were submitted on October 31, 2005, while in fact, they were submitted on a staggered schedule beginning October 11, 2005 until October 31, 2005. You may want to make note of that and perhaps change this language for each particular facility. Again, the spreadsheet outlines the dates in which we submitted the renewal applications.

Thanks for your assistance in this matter and please let us know if you have any questions. We enjoyed meeting you back in February and look forward to working with you more in the future.

Regards,

Peter L. Cain
TEPPCO, L.P.
EH&S/ Environmental Protection Group
(713) 284-5213 (phone)
(713) 759-3931 (fax)

	Description	FUND	CES	DFA ORG	DFA ACCT	ED ORG	ED ACCT	AMOUNT	
1	CY Reimbursement Project _____ Tax ___	064	01						1
6	Gross Receipt Tax	064	01		2329	900000	2329134		2
3	Air Quality Title V	092	13	1300	1696	900000	4169134		3
4	PRP Prepayments	248	14	1400	9696	900000	4969014		4
2	Climax Chemical Co.	248	14	1400	9696	900000	4969015		5
8	Circle K Reimbursements	248	14	1400	9696	900000	4969248		6
7	Hazardous Waste Permits	339	27	2700	1696	900000	4169027		7
8	Hazardous Waste Annual Generator Fees	339	27	2700	1696	900000	4169339		8
0	✓ Water Quality - Oil Conservation Division	341	29		2329	900000	2329029	19,300 00	10
1	Water Quality - GW Discharge Permit	341	29	2900	1696	900000	4169029		11
2	Air Quality Permits	631	31	2500	1696	900000	4169031		12
3	Payments under Protest	651	33		2919	900000	2919033		13
4	Xerox Copies	652	34		2349	900000	2349001		*14
5	Ground Water Penalties	652	34		2349	900000	2349002		15
6	Witness Fees	652	34		2349	900000	2349003		16
7	Air Quality Penalties	652	34		2349	900000	2349004		17
8	OSHA Penalties	652	34		2349	900000	2349005		18
9	Prior Year Reimbursement	652	34		2349	900000	2349006		19
0	Surface Water Quality Certification	652	34		2349	900000	2349009		20
1	Jury Duty	652	34		2349	900000	2349012		21
2	CY Reimbursements (i.e. telephone)	652	34		2349	900000	2349014		22
3	UST Owner's List	783	24	2500	9696	900000	4969201		*23
4	Hazardous Waste Notifiers List	783	24	2500	9696	900000	4969202		*24
5	UST Maps	783	24	2500	9696	900000	4969203		*25
6	UST Owner's Update	783	24	2500	9696	900000	4969205		*26
7	Hazardous Waste Regulations	783	24	2500	9696	900000	4969207		*28
9	Radiologic Tech. Regulations	783	24	2500	9696	900000	4969208		*29
0	Superfund CERLIS List	783	24	2500	9696	900000	4969211		*30
1	Solid Waste Permit Fees	783	24	2500	9696	900000	4969213		31
2	Smoking School	783	24	2500	9696	900000	4969214		32
3	SWQB - NPS Publications	783	24	2500	9696	900000	4969222		*33
4	Radiation Licensing Regulation	783	24	2500	9696	900000	4969228		*34
5	Sale of Equipment	783	24	2500	9696	900000	4969301		*35
6	Sale of Automobile	783	24	2500	9696	900000	4969302		*36
7	Lust Recoveries	783	24	2500	9696	900000	4969814		**37
8	Lust Repayments	783	24	2500	9696	900000	4969815		**38
9	Surface Water Publication	783	24	2500	9696	900000	4969801		39
0	Exxon Reese Drive Ruidoso - CAF	783	24	2500	9696	900000	4969242		40
1	Emerg. Hazardous Waste Penalties NOV	957	32	9600	1696	900000	4164032		41
2	Radiologic Tech. Certification	987	05	0500	1696	900000	4169005		42
4	Ust Permit Fees	989	20	3100	1696	900000	4169020		44
5	UST Tank Installers Fees	989	20	3100	1696	900000	4169021		45
6	Food Permit Fees	991	26	2600	1696	900000	4169026		46
3	Other								43

oss Receipt Tax Required ** Site Name & Project Code Required TOTAL 19,300 00

ject Person: Ed Martin Phone: 476-3492 Date: 5/3/06

ived in ASD By: _____ Date: _____ RT #: _____ ST #: _____

FSB025
Revised 07/07/00

TEPPCO PERMIT PAYMENT
April 28, 2006

File No	ID	Address	Permit Fee
GW-056	Gobernador Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	$1,700.00
GW-057	Pump Canyon Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	$1,700.00
GW-059	Manzanares Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	$1,700.00
GW-058	Hart Canyon Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	$1,700.00
GW-183	Arch Rock Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	$1,700.00
GW-194	Frances Mesa Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	$1,700.00
GW-193	Sandstone Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	$1,700.00
GW-146	Sims Mesa Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	$1,700.00
GW-148	Pump Mesa Compressor Station	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	$1,700.00
GW-051	Val Verde Gas Plant	TEPPCO NGL Pipelines; 2929 Allen Parkway; Houston TX 77019	$ 4,000.00
Total			**$19,300.00**

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND. MICROPRINTING AND A VOID FEATURE PANTOGRAPH.

TEPPCO

TEPPCO GP, Inc.
P.O. Box 2521
Houston, TX 77252-2521
(713) 759-3800

Wells Fargo Bank Ohio, N.A.
115 Hospital Drive
Van Wert, OH 45891

56-382
412

9600112304

April 28, 2006

PAY TO THE ORDER OF NMED Water Quality Management Fund $ 19,300.00

Nineteen thousand three hundred XX/100 DOLLARS

VOID AFTER 90 DAYS

IN SERVICE

[redacted]

B. Derbyshire

MP

[redacted]

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge permit application(s) has been submitted to the Director of the Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Ms L. Kristine Aparicio, Manager Environmental Protection, TEPPCO NGL Pipelines, LLC., 2929 Allen Parkway, 70019 P.O. Box 2521 Houston, Texas 77252-2521, telephone 713-759-3636, has submitted renewal applications for the previously approved discharge plans operated by Duke Energy Field Services for the following facilities:

Gobernador Compressor Station GW-056 located in NW/4 NW/4 of Section 31-Township 30N-Range 7W Ro Arriba County, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 80 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Pump Mesa Compressor Station GW-148 located in SE/4 of Section 14-Township 31N-Range 8W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of greater than 20 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Sims Mesa Compressor Station GW-146 located in NE/4 of Section 22-Township 30N-Range 7W Rio Arriba Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of greater than 14 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Pump Canyon Compressor Station GW-057 located in NW/4 SW/4 of Section 24-Township 30N-Range 9W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 40-120 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Manzanares Compressor Station GW-059 located in SW/4 SE/4 of Section 4-Township 29N-Range 8W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 211 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Hart Canyon Compressor Station GW-058 located in NW/4 SE/4 of Section 20-Township 31N-Range 10W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 130 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Val Verde Treater Gas Processing Plan t Station GW-051 located in SE/4 SE/4 of Section 11-Township 29N-Range 11W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 26-55 feet with an estimated total dissolved solids concentration matching that of the San Juan River and Citizens Ditch..

Arch Rock Compressor Station GW-183 located in NW/4 SW/4 of Section 14-Township 31 -Range 10W San juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 51 feet with an estimated total dissolved solids concentration of 1300 mg/l.

Frances Mesa Compressor Station GW-194 located in SW/4 SW/4 of Section 27-Township 30N-Range 7W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 240 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Sandstone Compressor Station GW-193 located in SE/4 SE/4 of Section 32-Township 31 N-Range 8W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 80 feet with an estimated total dissolved solids concentration of 1700 mg/l.

The discharge plans addresses how best management practices will be used to properly handle, store, and dispose of oilfield materials and waste. The plan will also have contingencies for preventing and managing releases of accidental discharges of water contaminants to the surface in order to protect fresh water.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge permit application and draft discharge permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft discharge permit may also be viewed at OCD's web site http://www.emnrd.state.nm.us/ocd/. Prior to ruling on any proposed discharge permit or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 30th day of November 2005.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

Mark Fesmire,
Director

NEW MEXICAN
Founded 1849

EMNRD MINING & MINERALS
ATTN: Wayne Price
1220 S St. Francis Dr
SANTA FE NM 87505

ALTERNATE ACCOUNT: 56660
AD NUMBER: 00148693 ACCOUNT: 00002190
LEGAL NO: 78092 P.O. #: 06-199-050125

477 LINES 1 TIME(S)	267.12
AFFIDAVIT:	0.00
TAX:	20.20
TOTAL:	287.32

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, R. Lara, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 78092 a copy of which is hereto attached was published in said newspaper 1 day(s) between 12/06/2005 and 12/06/2005 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 6th day of December, 2005 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

Approved
W Price

/S/ R. Lara
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 6th day of December, 2005

Notary Janet L. Montoya

Commission Expires: 12/30/07

OFFICIAL SEAL
Janet L. Montoya
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 12/30/07

NOTICE OF PUBLICATION

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Pump Mesa Compressor Station GW-148 located in SE/4 of Section 14-Township 31N-Range 8W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of greater than 20 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Sims Mesa Compressor Station GW-146 located in NE/4 of Section 22-Township 30N-Range 7W Rio Arriba Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of greater than 14 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Pu[redacted]anyon Compres[redacted] Station GW-057 located in NW/4 SW/4 of Section 24-Township 30N-Range 9W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 40-120 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Manzanares Compressor Station GW-059 located in SW/4 SE/4 of Section 4-Township 29N-Range 8W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 211 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Hart Canyon Compressor Station GW-058 located in NW/4 SE/4 of Section 20-Township 31N-Range 10W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 130 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Val Verde Treater Gas Processing Plan t Station GW-051 located in SE/4 SE/4 of Section 11-Township 29N-Range 11W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 26-55 feet with an estimated total dissolved solids concentration matching that of the San Juan River and Citizens Ditch..

Arch Rock Compressor Station GW-183 located in NW/4 SW/4 of Section 14-Township 31 -Range 10W San juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 51 feet with an estimated total dissolved solids concentration of 1300 mg/l.

Frances Mesa Compressor Station GW-194 located in SW/4 SW/4 of Section 27-Township 30N-Range 7W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 240 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Sandstone Compressor Station GW-193 located in SE/4 SE/4 of Section 32-Township 31 N-Range 8W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 80 feet with an estimated total dissolved solids concentration of 1700 mg/l.

The discharge plans addresses how best management practices will be used to properly handle, store, and dispose of oilfield materials and waste. The plan will also have contingencies for preventing and managing releases of accidental discharges of water contaminants to the surface in order to protect fresh water.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge permit application and draft discharge permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft discharge permit may also be viewed at OCD's web site http://www.emnrd.state.nm.us/ocd/. Prior to ruling on any proposed discharge permit or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

[redacted] no public hearing is held, the Director will approve or disapprove the proposed permit based on information available. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 30th day of November 2005.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

SEAL

Mark Fesmire, Director

Legal #78092
Pub. December 6, 2005

Ad No. 5263

STATE OF NEW MEXICO
County of San Juan:

CONNIE PRUITT, being duly sworn says: That she is the ADVERTISING MANAGER of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication and appeared in the Internet at The Daily Times web site on the following day(s):

Sunday, December 04, 2005.

And the cost of the publication is $178.18.

Connie Pruitt

ON 12/6/05 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Wynell Casey

My Commission Expires November 17, 2008.

COPY OF PUBLICATION

918 Legals

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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Pump Mesa Compressor Station GW-148 located in SE/4 of Section 14-Township 31N-Range 8W Son Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or occidental discharge to the surfoce is at o depth of greater than 20 feet with an estimoted total dissolved solids concentration of 1700 mg/l.

Sims Mesa Compressor Station GW-146 located in NE/4 of Section 22-Township 30N-Range 7W Rio Arriba Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidentol dischorge to the surface is at a depth of greater thon 14 feet with an estimoted total dissolved solids concentration of 1700 mg/l.

Pump Canyon Compressor Station GW-057 located in NW/4 SW/4 of Section 24-Township 30N-Range 9W San Juan Country, New Mexico. Groundwoter most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 40-120 feet with an estimated total dissolved solids concentration of 1700 mg/l.

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Hart Canyon Compressor Station GW-058 located in NW/4 SE/4 of Section 20-Township 31N-Range 10W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is ot a depth of 130 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Val Verde Treater Gas Processing Plan t Station GW-051 located in SE/4 SE/4 of Section 11-Township 29N-Range 11W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 26-55 feet with an estimated total dissolved solids concentration matching that of the San Juan River and Citizens Ditch..

Arch Rock Compressor Station GW-183 located in NW/4 SW/4 of Section 14-Township 31 -Range 10W Son Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 51 feet with an estimated total dissolved solids concentration of 1300 mg/l.

Fronces Mesa Compressor Station GW-194 located in SW/4 SW/4 of Section 27-Township 30N-Range 7W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is ot a depth of 240 feet with an estimated total dissolved solids concentration of 1700 mg/l.

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GIVEN under the Seal of New Mexico Oil Conservotion Commission at Santa Fe, New Mexico, on this 30th day of November 2005.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

Mark Fesmire, Director

Legal No. 52636 published in The Daily Ti...

Environmental, Health, Safety
and Regulatory Compliance

2929 Allen Parkway, 70019
P.O. Box 2521
Houston, Texas 77252-2521
Office 713/759-3636
Fax 713/759-3931

October 11, 2005

CERTIFIED MAIL NO.
7004 2510 0003 2575 1442
RETURN RECEIPT REQUESTED

New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: TEPPCO NGL Pipelines, LLC
TEPPCO Hart Canyon Compressor Station
San Juan County, New Mexico
Groundwater Discharge Plan (GW-058) Renewal Application

To Whom it May Concern:

TEPPCO NGL Pipelines, LLC ("TEPPCO") is submitting the enclosed Groundwater Discharge Plan Application (Attachment 1) for its TEPPCO Hart Canyon Compressor Station in San Juan County, New Mexico. Enclosed with the discharge plan renewal application is TEPPCO Check No. **0200001113** (Attachment 4) in the amount of **$100.00** for the application filing fee. The permit fee in the amount of $1,700 will be paid once the application is approved.

As mentioned in previous permit renewal application submitted by the former operator, Duke Energy Field Services ("DEFS"), TEPPCO does not believe that a discharge plan is required for this facility under the Water Quality Control Commission ("WQCC") regulations because there are no discharges from the TEPPCO Hart Canyon Compressor Station.

TEPPCO is submitting the discharge plan renewals as a conservative measure and in good faith, requesting that the discussion of TEPPCO obligations to have a groundwater discharge plan for this facility can occur in the future.

If you have any questions or require additional information, please contact Peter Cain at (713) 284-5213 or myself at (713) 759-3654.

Sincerely,

L. Kristine Aparicio
Manager, Environmental Protection

TEPPCO NGL Pipelines, LLC
TEPPCO Hart Canyon Compressor Station
Groundwater Discharge Plan Renewal Application

Attachment 1
Discharge Plan Application

October 11, 2005

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Revised June 10, 2003

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,GAS PLANTS, REFINERIES, COMPRESSOR, GEOTHERMAL FACILITES AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

1. Type: TEPPCO Hart Canyon Compressor Station

2. Operator: TEPPCO NGL Pipelines, LLC

   Address: PO Box 2521, Houston, Texas 77252-2521

   Contact Person: L. Kristine Aparicio Phone: 713-759-3636

3. Location: NW /4 SE /4 Section 20 Township 31N Range 10W
   Submit large scale topographic map showing exact location.

4. Attach the name, telephone number and address of the landowner of the facility site.

5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.

6. Attach a description of all materials stored or used at the facility.

7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.

8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.

9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.

10. Attach a routine inspection and maintenance plan to ensure permit compliance.

11. Attach a contingency plan for reporting and clean-up of spills or releases.

12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.

13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATIONI hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: L. Kristine Aparicio Title: Manager, Environmental Protection

Signature: L. Kristine Aparicio Date: 10-11-05

E-mail Address:

Hart Canyon Compressor Station
NW/4, SE/4 of Section 20, Township 31N, Range 10W
San Juan County, New Mexico

GROUNDWATER DISCHARGE PLAN

This document constitutes a renewal application for the Groundwater Discharge Plan for the Hart Canyon Compressor Station in San Juan County, New Mexico. This Groundwater Discharge Plan has been prepared in accordance with the NMOCD "Guidelines for the Preparation of Discharge Plans at Natural Gas Plants, Refineries, Compressor and Crude Oil Pump Stations" (rev. 12-95) and the New Mexico Water Quality Control Commission (WQCC) regulations, 20.6.2.3-104 and 3-106 NMAC.

1 Type of Operation

The facility does not intend or have a discharge or discharges that may move directly or indirectly into groundwater.

2 Operator / Legally Responsible Party

Operator
TEPPCO NGL Pipelines, LLC
PO Box 2521
Houston, Texas 77252-2521
(713) 759-3636
Contact Person: L. Kristine Aparicio

Owner
Val Verde Gas Gathering Company, LP
PO Box 2521
Houston, Texas 77252-2521

3 Facility Location

NW/4, SE/4 of Section 20, Township 31N, Range 10W

4 Landowner

U.S. Department of the Interior
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87499
(505) 599-8900

5 Facility Description

The facility provides natural gas compression for the gathering system.

6 Materials Stored or Used

There are no materials stored on-site or used that are discharged on site so that they may move directly or indirectly into groundwater.

7 Sources and Quantities of Effluent and Waste Solids

There are no effluents or waste solids that are discharged on-site or off-site at the TEPPCO Hart Canyon Compressor Station. All effluent and waste solids generated at the facility are removed from the facility for off-site disposal in accordance with applicable NMOCD, New Mexico Environment Department ("NMED"), and EPA regulations as stated in previous groundwater discharge plans.

Separators/Scrubbers
Effluents or waste solids generated from separators or scrubbers are not discharged on site so that they may move directly or indirectly into groundwater.

Boilers and Cooling Towers/Fans
There are no boilers or cooling towers/fans at the facility.

Process and Storage Equipment Wash Down
Effluent or waste solids generated from process and storage equipment wash down are not discharged on site so that they may move directly or indirectly into groundwater.

Solvents/Degreasers
Solvent or degreasers are not discharged on site so that they may move directly or indirectly into groundwater.

Spent Acids/Caustics
If generated, spent acids or caustics are not discharged on site so that they may move directly or indirectly into groundwater.

Used Engine Coolants
Engine coolants are not discharged on site so that they move directly or indirectly into groundwater.

Waste Lubrication and Motor Oils
Lubricating and motor oils are not discharged on site so that they may move directly or indirectly into groundwater.

Used Oil Filters
Used oil filters are not discharged on site so that they may move directly or indirectly into groundwater.

Solids and Sludges
Solids and sludges are not discharged on site so that they may move directly or indirectly into groundwater

Painting Wastes
Painting wastes are not discharged on site so that they may move directly or indirectly into groundwater

Sewage
There is one toilet and one sink located within the control room of the facility which uses an 800-gallon septic tank with a 300 sq. ft. constructed leach field adjacent to the motor control center.

Lab Wastes
Lab wastes are not generated at the facility.

Other Liquids and Solid Wastes
Other liquids and solid wastes are not discharged on site so that they may move directly or indirectly into groundwater

8 Liquid and Solid Waste Collection / Storage / Disposal

Collection / Storage
All liquid and solid wastes are collected and stored in closed containers for off-site disposal.

On-site Disposal
There are no on-site disposal activities at the facility

Off-site Disposal
All liquid and solid wastes are disposed off site.

9 Proposed Modifications

No modifications are proposed at this time.

10 Inspection, Maintenance, and Reporting

Routine inspections and maintenance are performed to ensure proper collection, storage, and off-site disposal of all wastes generated at the facility.

11 Spill / Leak Prevention and Reporting (Contingency Plans)

TEPPCO will respond to and report spills as outlined in the TEPPCO SPCC plan for TEPPCO Hart Canyon Compressor Station and in accordance with the requirements of NMOCD Rule 116 (19.15.C.116) and WQCC regulation (20.6.2.1203 NMAC)

12 Site characteristics

Geological/hydrological information for this facility has not changed since the previous renewal application.

Hydrologic Features

Hart Canyon Wash (a stream) is approximately one-half mile to the south-southwest edge of the site. The site generally slopes to the southwest.

Cathodic well data in the area indicates the depth to groundwater to be approximately 130 feet.

Groundwater flow direction is likely to be to the south-southwest, based on a review of topographic features at the site. This would be consistent with an existing wash/arroyo which runs along the southwest edge of the site

Geologic Description

The soil consists of silty or sandy clay with a low to moderate load bearing capability and moderate to high expansive potentials. These soils are underlain by cobbles, gravel and silty sand with moderate load bearing capabilities.

The aquifer most likely to be affected by a discharge in this area is the San Jose Formation. Total Dissolved Solids (TDS) of water from this formation is estimated to have an average greater than 1700 mg/l. This formation is characterized by interbedded sandstone and mudstones. The thickness of the formation ranges up to nearly 2,700 feet, in the basin between Cuba and Gobernador.

Depth to the top of the bedrock strata ranged from 10.5' to 18'.

TEPPCO Hart Canyon Compressor Station lies approximately 2.5 miles to the east of the Animas River. This area is not typically subject to flooding, therefore special flood protection measures are not needed.

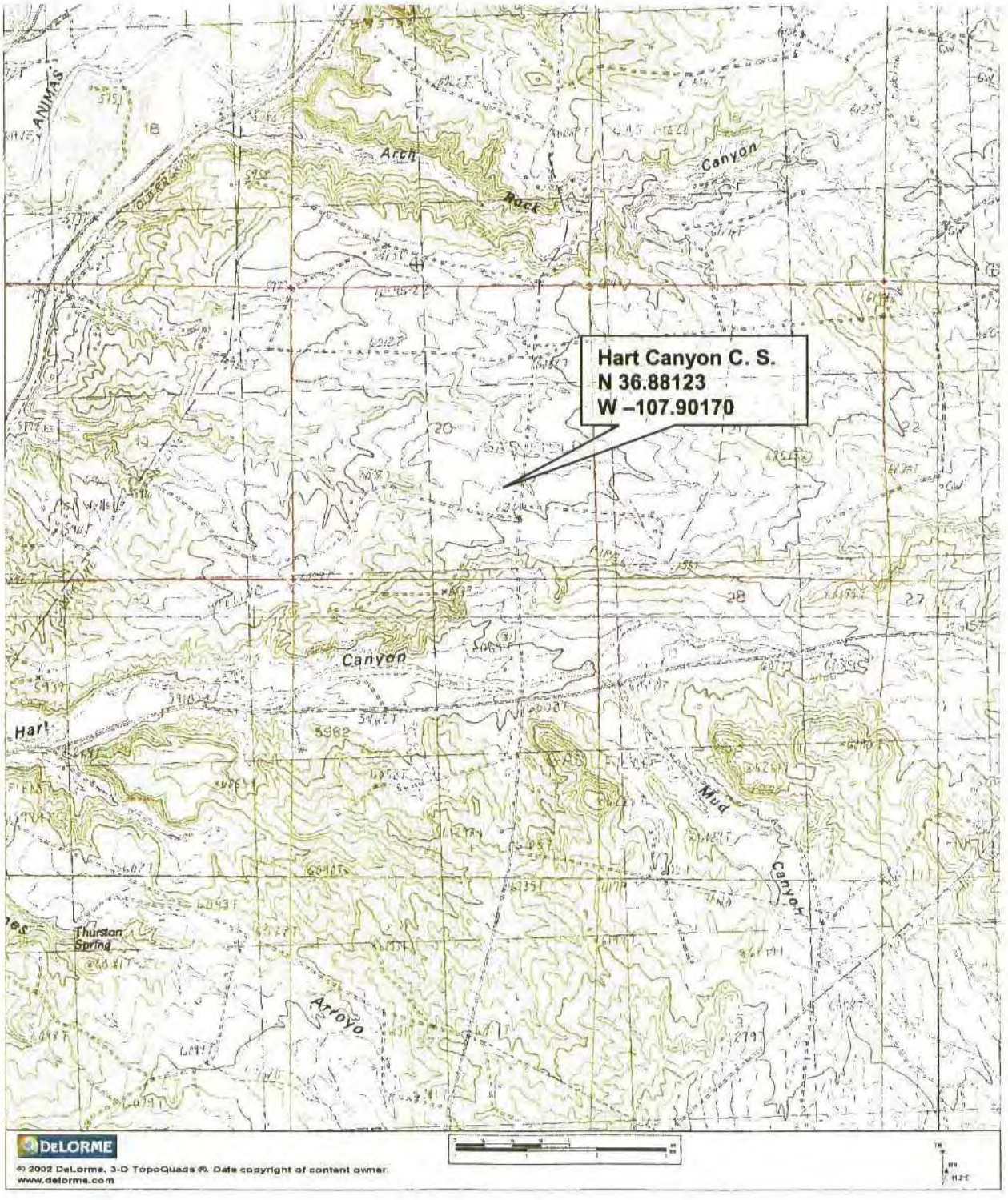
13 Additional Information

Any unauthorized releases or discharge will be reported to the NMOCD in accordance with NMOCD Rule 116, 19.15.C.116 NMAC, and WQCC regulation, 20.6.2.1203.

TEPPCO NGL Pipelines, LLC
TEPPCO Hart Canyon Compressor Station
Groundwater Discharge Plan Renewal Application

Attachment 2
Site Location Map
USGS Topographic Map
Cedar Hill & Aztec Quads

October 11, 2005


Hart Canyon C. S.
N 36.88123
W –107.90170
ANIMAS
Arch
Rock
Canyon
Canyon
Hart
Mud
Canyon
Thurston
Spring
Arroyo
5962
DeLORME
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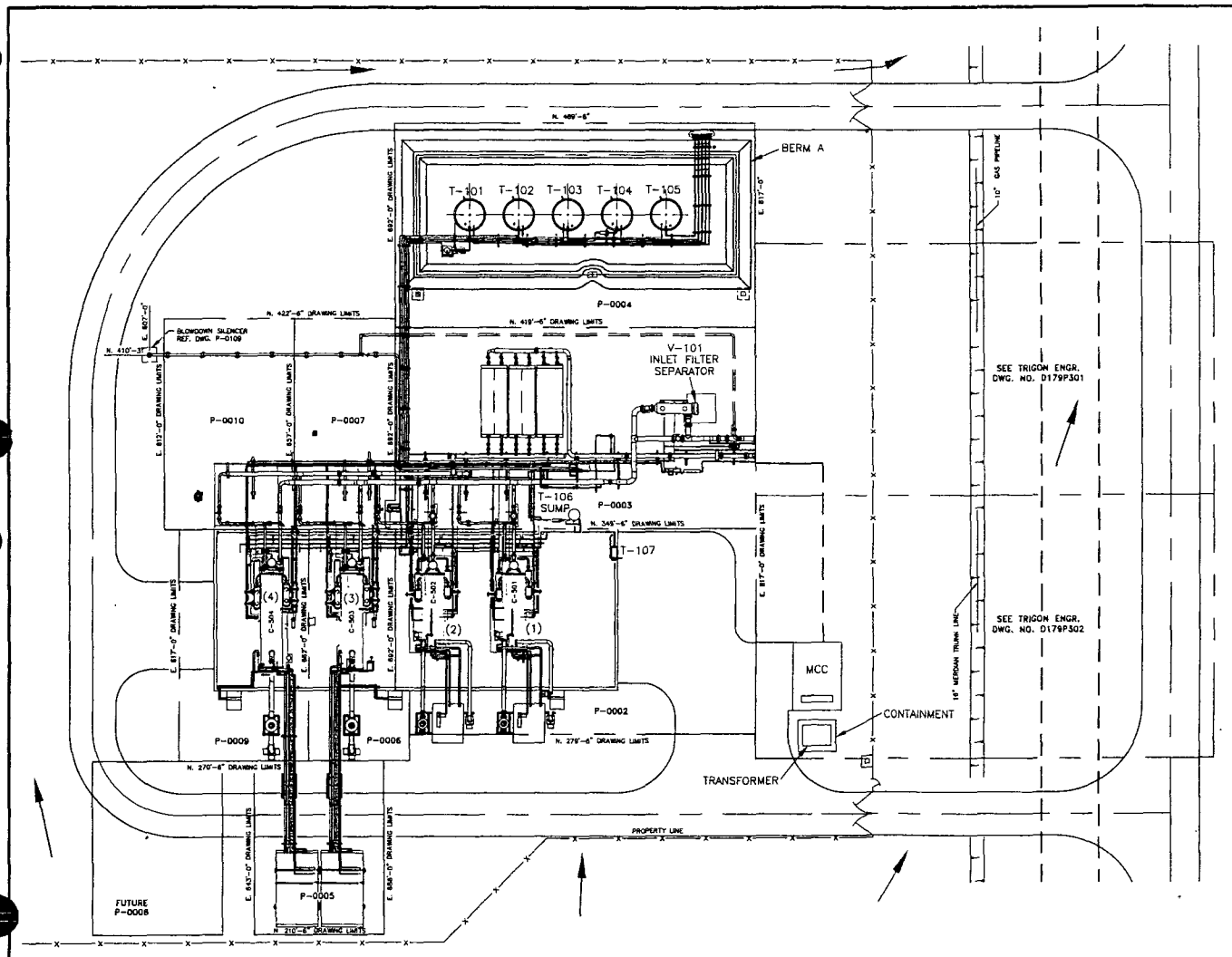
www.delorme.com

TEPPCO NGL Pipelines, LLC
TEPPCO Hart Canyon Compressor Station
Groundwater Discharge Plan Renewal Application

Attachment 3
Facility Plot Plan

October 11, 2005



LEGEND:

- FENCE
- OIL CONTAINING PIPE
- SURFACE WATER DRAINAGE DIRECTION
- SECONDARY CONTAINMENT BERM

N
W E
S
PLANT NORTH

Oil Storage Containers

AMS Name	Field Name	Contents Description	Capacity
None	T-103	Waste Oil	210 bbl
None	T-104	Lube Oil	210 bbl
None	T-105	Produced Water	210 bbl
None	T-107	Lube Oil	2 bbl

Process Equipment Containing Oils

AMS Name	Field Name	Contents Description	Capacity
V-101	Inlet Filter Separator	Produced Water	71 gal
T-106	Sump	Wastewater, Used Oil	375 gal

Oil Containing Equipment

AMS Name	Field Name	Contents Description	Capacity
1	Engine 1	Lube Oil	220 gal
2	Engine 2	Lube Oil	220 gal
C-3	Compressor 3	Lube Oil	80 gal
3	Engine 3	Lube Oil	122 gal
C-4	Compressor 4	Lube Oil	80 gal
4	Engine 4	Lube Oil	122 gal
None	Transformer	Transformer Oil	339 gal

Non-Oil Storage Containers

AMS Name	Field Name	Contents Description
T-101	T-101	Fresh Water
T-102	T-102	Glycol

NOT TO SCALE

Note: This drawing is based on a field sketch and depicts the location and contents of each oil containing container, equipment, and piping (as required by 40 CFR 112.7(3)). This drawing should only be used for Spill Prevention Control and Countermeasure Plan(SPCC) purposes. As drawing is not to scale, actual containers, equipment, or piping may vary in size and position from those represented here.

SPCC PLOT PLAN

REV	DATE	REVISION	BY	CHK'D	ENGR.	ENGR. MGR.
0	09/15/03	DRAWN FROM MERIDIAN OIL DRAWING AND FIELD NOTES	P.M.W.	B.R.		

REV	DATE	REVISION	BY	CHK'D	ENGR.	ENGR. MGR.

HART CANYON COMPRESSOR STATION
VAL VERDE GATHERING SYSTEM

San Juan County
NEW MEXICO

DWG. NAME: Hart Canyon Compressor Station_SPCC_Plan.dwg

TEPPCO NGL Pipelines, LLC
TEPPCO Hart Canyon Compressor Station
Groundwater Discharge Plan Renewal Application

Attachment 4
TEPPCO Check No 0200001113

October 11, 2005

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge permit application(s) has been submitted to the Director of the Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Ms L. Kristine Aparicio, Manager Environmental Protection, TEPPCO NGL Pipelines, LLC., 2929 Allen Parkway, 70019 P.O. Box 2521 Houston, Texas 77252-2521, telephone 713-759-3636, has submitted renewal applications for the previously approved discharge plans operated by Duke Energy Field Services for the following facilities:

Gobernador Compressor Station GW-056 located in NW/4 NW/4 of Section 31-Township 30N-Range 7W Ro Arriba County, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 80 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Pump Mesa Compressor Station GW-148 located in SE/4 of Section 14-Township 31N-Range 8W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of greater than 20 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Sims Mesa Compressor Station GW-146 located in NE/4 of Section 22-Township 30N-Range 7W Rio Arriba Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of greater than 14 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Pump Canyon Compressor Station GW-057 located in NW/4 SW/4 of Section 24-Township 30N-Range 9W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 40-120 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Manzanares Compressor Station GW-059 located in SW/4 SE/4 of Section 4-Township 29N-Range 8W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 211 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Hart Canyon Compressor Station GW-058 located in NW/4 SE/4 of Section 20-Township 31N-Range 10W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 130 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Val Verde Treater Gas Processing Plan t Station GW-051 located in SE/4 SE/4 of Section 11-Township 29N-Range 11W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 26-55 feet with an estimated total dissolved solids concentration matching that of the San Juan River and Citizens Ditch..

Arch Rock Compressor Station GW-183 located in NW/4 SW/4 of Section 14-Township 31 -Range 10W San juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 51 feet with an estimated total dissolved solids concentration of 1300 mg/l.

Frances Mesa Compressor Station GW-194 located in SW/4 SW/4 of Section 27-Township 30N-Range 7W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 240 feet with an estimated total dissolved solids concentration of 1700 mg/l.

Sandstone Compressor Station GW-193 located in SE/4 SE/4 of Section 32-Township 31 N-Range 8W San Juan Country, New Mexico. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of 80 feet with an estimated total dissolved solids concentration of 1700 mg/l.

The discharge plans addresses how best management practices will be used to properly handle, store, and dispose of oilfield materials and waste. The plan will also have contingencies for preventing and managing releases of accidental discharges of water contaminants to the surface in order to protect fresh water.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge permit application and draft discharge permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft discharge permit may also be viewed at OCD's web site http://www.emnrd.state.nm.us/ocd/. Prior to ruling on any proposed discharge permit or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 30th day of November 2005.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

Mark Fesmire,
Director

Duke Energy Field Services
A New Kind of Energy™

OIL CONSERVATION DIV.
02 JUL -5 PM 1:58

Duke Energy Field Services
P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
303/595-3331

July 1, 2002

CERTIFIED MAIL
RETURN RECEIPT

Electronic Delivery July 1, 2002

Mr. Wayne Price
New Mexico Energy, Minerals
& Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: Change in Ownership
Val Verde System

Dear Mr. Price:

On behalf of Val Verde Gas Gathering Company, LP, Duke Energy Field Services, LP (DEFS) is submitting notification of a change in ownership of 14 facilities in Rio Arriba and San Juan Counties, New Mexico. Effective July 1, 2002, Val Verde Gas Gathering Company, LP is the new owner of the facilities identified in the attached list. The attachment lists the facility name, discharge plan number and legal location.

DEFS will be operating the facilities identified in the attached lists. Therefore, DEFS requests the transfer of the discharge plans identified in the attached list to Duke Energy Field Services, LP.

DEFS will comply with the terms and conditions of the previously approved discharge plans submitted by Burlington Resources Gathering, Inc.

If you have any questions regarding this transfer of ownership and/or the discharge plans, please call me at (303) 605-1717.

Sincerely,
Duke Energy Field Services, LP

Karin Char
Environmental Specialist

Attachment

cc: NMOCD District 3 Office (hard copy)
1000 Rio Brazos Road
Aztec, NM 87410

Notification of Change in Ownership
Val Verde System
Effective July 1, 2002

Facility/Project	Plan Number	Location Sec-Twnshp-Range	County / State
Arch Rock Compressor Station	GW-183	14 –T31N – R10W	San Juan / New Mexico
Buena Vista Compressor Station	GW-255	13 – T30N – R9W	San Juan / New Mexico
Cedar Hill Compressor Station	GW-258	29 – T32N – R10W	San Juan / New Mexico
Frances Mesa Compressor Station	GW-194	27 – T30N – R7W	Rio Arriba / New Mexico
Gobernador Compressor Station	GW-056	31 – T30N – R7W	Rio Arriba / New Mexico
Manzanares Compressor Station	GW-059	4 – T29N – R8W	San Juan / New Mexico
Hart Canyon Compressor Station	GW-058	20 – T31N – R10W	San Juan / New Mexico
Middle Mesa Compressor Station	GW-077	10 – T31N – R7W	San Juan / New Mexico
Pump Canyon Compressor Station	GW-057	24 – T30N – R9W	San Juan / New Mexico
Pump Mesa Compressor Station	GW-148	14 – T31N – R8W	San Juan / New Mexico
Quinn Compressor Station	GW-239	16 – T31N – R8W	San Juan / New Mexico
Sandstone Compressor Station	GW-193	32 – T31N – R8W	San Juan / New Mexico
Sims Mesa Compressor Station	GW-146	22 – T30N – R7W	Rio Arriba / New Mexico
Val Verde Gas Handling Facility	GW-51	14 – T29N – R11W	San Juan / New Mexico

Duke Energy®
Field Services

P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
Direct: 303-595-3331
Fax: 303-389-1957

October 24, 2002

Mr. Wayne Price
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Results of the annual sump integrity inspection program - Val Verde Facilities.

Dear Mr. Price:

The purpose of this correspondence is to provide your office with written notice that Duke Energy Field Services (DEFS) completed the annual sump integrity testing at its Val Verde Area Facilities. I have sent you multiple copies of this letter such that you can file one copy per site.

The below listed facilities have double wall sumps with leak detection between the walls. The following actions were taken at each facility sump:

1. Visually inspect for liquids between the sump walls
2. Pull the leak sensor
3. Place it in water.
4. Check the control panel for a positive indication of a leak
5. Return the leak sensor.
6. Check the control panel to assure a return to a negative reading

These procedures were implemented at each of the inspections, at the facilities below. There were no visual signs of leaks and all equipment functioned correctly.

Facility Name / inspection date	Visual inspection	Electronic Sensor	Facility Name	Visual inspect	Electronic Sensor
Arch Rock 8/20/02	PASS	PASS	Middle Mesa 8/23/02	PASS	PASS
Buena Vista 8/22/02	PASS	PASS	Pump Canyon 8/19/02	PASS	PASS
Cedar Hill 8/21/02	PASS	PASS	Pump Mesa 8/19/02	PASS	PASS
Francis Mesa 8/20/02	PASS	PASS	Sandstone 8/19/02	PASS	PASS
Gobernador 8/20/02	PASS	PASS	Sims Mesa 8/20/02	PASS	PASS
Manzanares 8/20/02	PASS	PASS	Hart 8/20/02	PASS	PASS

The sump at the Quinn Compressor Station is double walled, but there is no leak detection system. A visual inspection of the space between the two sump walls showed no liquid. Additionally, the inner tank was pressured up with nitrogen to three pounds of pressure. The pressure was observed for 30 minutes, with no reduction. It was determined that the Quinn sump was structurally sound.

There are two sumps at the Val Verde Treater. (T-5419 and T8419) These two sumps were cleaned and inspected on August 18, 2002. The sumps are double walled and the secondary containment space was inspected for leaks from the primary tank. This area was found to be dry with no indication of a leak on both sumps. The high level alarm was tested in each sump and found to be operational. The ejection pumps were tested and found to be in good working order on each unit. After inspection, the sumps were cleaned and vacuumed to prevent any solid material from plugging the pumps. The sumps were inspected and photographed. It was determined that the two Val Verde sumps were structurally sound.

This completes the 2002 Val Verde Area annual sump inspection program. Thank you for reviewing this summary letter report. Should any questions arise, please notify me at 303 605 1726.

Sincerely yours,

Jack E. Braun

Jack E. Braun
Sr. Env. Specialist

Cc:	Mike Lee,	DEFS Val Verde Office
	Blair Armstrong.	"
	Rick Wade	"
	Denny Foust	OCD District Office

BURLINGTON RESOURCES

SAN JUAN DIVISION

February 7, 2002

Certified Mail: 70993400001842165353

Wayne Price
N.M. Oil Conservation Division
1220 South Street Francis Drive
Santa Fe, NM 87505

Re: 2001 Compressor Station Sump and Line Testing Integrity Inspections

Dear Mr. Price:

The purpose of this correspondence is to provide your office with written notice that the sumps at the following compressor stations were visually tested in September 2001 (OCD Discharge Plan Special Condition # 8). In addition, five of the stations successfully completed the required underground wastewater line testing (OCD Discharge Plan Condition # 9) at the same time as sump inspections. All the stations passed the required testing. No evidence of discharges of wastewater was observed during the testing. Under the normal gravity draining operation of the drain lines, no discharge of wastewater is expected.

Arch Rock	*Buena Vista	*Middle Mesa	Manzanares
Hart Canyon	*Rattlesnake	Pump Mesa	Gobernador
*Cedar Hill	Sandstone	Sims Mesa	Frances Mesa
Pump Canyon	*Quinn		

* Underground Line Testing

For the visual sump inspection, the sumps were completely emptied, cleaned and the lids removed to allow access to each unit. The underground line testing was conducted using the process approved in the OCD's letter dated November 19, 1998. Basically, the procedure is as follows:

1. Underground lines will be plugged at the end of the sump.
2. At the entry point of the underground lines a threaded site glass column assembly will be installed.
3. After all exit points are sealed, the underground lines will be filled with water to a common mark on a glass column assembly. The site glass filling mark will be of sufficient height to be equivalent to a static head pressure of at least 3 psi on the piping system.
4. The site glass will be monitored for 30 minutes.
5. The test will be deemed successful if the level does not fluctuate from the test mark on the glass column.

Please note, BR has included a copy of this letter for each test completed to assist in the distribution of the letter in your files. If you have questions or need additional information, please contact me at (505) 326-937.

Sincerely,

Gregg Wurtz
Environmental Representative

CC: Bruce Gantner
Denny Foust, OCD District Office

BURLINGTON
RESOURCES

SAN JUAN DIVISION

March 7, 2001
CERTIFIED MAIL RETURN RECEIPT NO.70993220000289813946

Wayne Price
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RE: Burlington Resources Compressor Station Site Inspections 2000. **Manzanares GW-05, Gobernador GW-056, Pump Mesa GW-148, Quinn GW-239, Sandstone GW-193, Rattlesnake GW-093, Buena Vista GW-255, Pump Canyon GW-057, Hart Canyon GW-058, Cedar Hill GW-258, and Middle Mesa GW-07:**

Dear Mr. Price:

New Mexico Oil Conservation Division (OCD) conducted site inspections of 11 Burlington Resource's (BR) compressor stations that have discharge plan permits. Subsequent to these inspections OCD provided a list of inspection recommendations.

BR has successfully completed the recommendations detailed in OCD's inspection report. The written responses to each recommendation are provided in italic bold print following the OCD comment.

Manzanares GW-059:

1. Discharge of oil from the compressors is being deposited on the ground. ***BR removed the stained gravel, deeply raked the underlying soil, applied a remediation enhancing potassium permanganate solution and placed new gravel. An analysis of the cause of the contamination is being performed to identify the source of the hydrocarbon staining. The oil staining appears to be superficial, impacting only the surface gravel and top 2-3 inches of soil underlying the gravel. No direct cause has been determined except for over spray from the engine starter stacks located on this end of the building. The stacks were modified in 1999 with drains to prevent oil accumulations in stacks. Additional modifications to the design may be necessary.***

2. Oil stain found around wastewater tank. ***BR removed the stained gravel, deeply raked the underlying soil, applied a remediation enhancing potassium permanganate solution and covered the soil with new gravel. The tank integrity was visually verified as satisfactory and tank-gauging records do not indicate a tank leak has occurred. The likely source of the staining was an historic minor tank upset that may not have been completely cleaned from the sides and base of tank.***

Gobernador GW-056:

Compressor building drain lines will not hold pressure. ***BR proposed an alternative drain line test during the inspection. The test proposed and implemented was a volume in/volume out drain line test and an analysis of risk for the liquids transported in the drain line system. The volume in/volume out drain line test was successfully completed and demonstrated insignificant risks to the environment from the waste drain line system. A more complete description of the testing procedures and results are provided in Attachment 1.***

Pump Mesa GW-148:

1. Oil stain around produced water tank. ***BR applied a remediation enhancing potassium permanganate solution to the gravel. The staining was superficial and limited to the top surface of the gravel. The cause of the staining was believed to be a dump valve that may have stuck open causing over spray from the top of the tank where the dump line enters the tank.***

2. Oil stain around compressor sump pump. ***BR removed the stained gravel, deeply raked the underlying soil, applied a remediation enhancing potassium permanganate solution and placed new gravel. Hydrocarbon staining was limited to the top 2-4 inches of the soil underlying the gravel. The pump seals were replace and the pump no longer leaks oil.***

Quinn GW-239:

TEG and De-hydrator wastewater tank secondary liner is torn. ***The TEG tank was determined to be a double wall tank and in satisfactory condition. The plastic under the TEG was not replaced and the berm was left in place as tertiary containment. The containment liner under the dehydrator wastewater tank was replaced and berm rebuilt.***

Sandstone GW-193:

Tank farm area lube oil pump is leaking and produced water tank is wet around base. ***Replacing the pump seals repaired the lube oil pump. The gravel and soil around the pump was deeply raked and a remediation enhancing potassium permanganate solution was applied and new gravel placed. The oil contamination was limited to the top 2-4 inches of soil underlying the gravel The wet area around the tank was believed to be natural water and no contamination or tank problems were detected.***

Rattlesnake GW-093:

1. Motor oil and anti-freeze storage tanks do not have proper containment. ***Containments under both tanks were upgraded to meet OCD's requirements.***

2. Oil and water observed in condensate underground wastewater storage tank leak detector. ***The fiberglass wastewater storage tank was removed and replaced with a new metal tank. The condition of the fiberglass tank was satisfactory with no evidence of leaking. Historic contamination was detected adjacent to the wastewater tank and followed under the condensate storage tank during the excavation process. The source of the contamination was believed to be the storage tank. A laboratory sample for clean closure conformation was collected under this tank. The extent of contamination was determined to be limited to the extent of the bermed containment encompassing both storage tanks, approximately 20 feet x30 feet and 16 feet in depth at the deepest point. The impacted soils were removed and land farmed at the Quinn Compressor Station. The excavation was backfilled with clean soils and the facility was rebuilt. A diagram of the excavation and analytical results are included in Attachment 2.***

Buena Vista GW-255:

Submit most recent analysis from monitoring wells. ***The most recent ground water monitoring analysis is provided in Attachment 3. Ground water samples were collected quarterly between 5/96 and 5/98 with no constituents of concern detected. Included in the attachment is a letter from BR to BLM (June 25, 1998) recommending the four wells for plugging and abandonment.***

Pump Canyon GW-057:

Sign needs to be changed from Meridian to Burlington Resources. ***The sign has been changed to read Burlington Resources.***

Hart Canyon GW-058:

Main compressor building sump has lost mechanical integrity. ***The sump was removed and replaced with a new double walled tank with leak detection. No contamination was observed in the tank excavation. The old tank was pressure tested at the fabricators to determine the location of tank failure. The pressure test did not detect any leaks in the tank's primary or secondary walls. The old tank was determined to be in satisfactory condition and should not have been removed. A new procedure for tank integrity and leak detection testing is being developed.***

Cedar Hill GW-258:

Plant main vent system has oil accumulating on stack and system is located in stormwater drain area. ***The staining was caused by hydrocarbons and water that have accumulated in the Emergency Shut Down stack between shutdowns. Shut downs are infrequent and only in an emergency. The oil staining was observed to be insignificant and unlikely to contribute to a reportable storm water release. However, the soil was cleaned and will be monitored for future stack accumulations and any resulting soil staining will be remediated.***

Middle Mesa GW-077:

1. De-hydrator steam condensate wastewater tank needs proper containment. ***The tank was replace with a double walled tank.***

2. Outside west compressor-oil and water being discharged to ground. ***The gravel and soil, to a depth of 6 inches, was removed around the area adjacent to the compressor skid. The remaining soil was deeply raked and a bioremediation enhancing potassium permanganate solution was applied and new gravel placed. The compressor skid was redesigned to prevent oil and water from being discharged to the ground adjacent to the compressor.***

Common action items for all sites:

1. Burlington shall make minor modifications to all discharge plans to include a routine check for emptying all sumps and troughs. ***A Best Management Practice has been developed for this routine check of all sumps and containments.***

2. Burlington shall make minor modifications to all discharge plans up dating where all solid waste is being disposed of. ***The discharge plans provide this information on a table in Section VIII Effluent Disposal, Part B. Off-Site Disposal.***

If you have any questions please do not hesitate to contact me at 505-326-9537.

Sincerely;

J. Gregg Wurtz

J. Gregg Wurtz
Sr. Environmental Rep.
San Juan Division
505-326-9537

Cc: OCD Aztec Office
Attachments-3

Gobernador Waste Drain Line Test

The purpose of this Attachment is to document the successful completion of the drain line test at the Gobernador Compressor station on 11/29/00.

Background

The Gobernador Compressor Station has eight floor drains manifolded into one common 4 inch PVC drain line that flows to an outside sump tank and then to an above ground storage tank. The drain lines are below the concrete floor and collect mainly wash water and petroleum lubes and oils (POLs) generated from normal operation and maintenance of the compressor engines.

The drain lines were tested starting in April 2000 using a hydrostatic test procedure approved by OCD. The drain lines from the outside sump to the above ground storage tank and the sump inspection were tested successfully. The hydrostatic test of the drain lines from the sump to within the compressor building was unsuccessful. The drain lines inside the building failed because they were not able to hold the OCD specified static 3 p.s.i. pressure for 30 minutes. A small amount of pressure was lost during the test until a static level was achieved at ambient pressure and temperature at floor level.

To identify the cause of the test failure BR looked for any missed outlets or small cracks in the drain line that could have contribute to the loss in static pressure. Asbuilts for the station were reexamined for overlooked drain line outlets and all drain line lengths outside of the building were excavated and examined. No missed outlets or breaks in the drain lines were identified. No evidence of discharges was observed along the drain line excavated outside the building. The drain lines within the building are located under the concrete floor and surrounded by concrete and could not be excavated practically. The next step was to perform a visual inspection of the inside of the drain lines with a downhole video camera. The video determined that the condition of the inside of the drain lines was satisfactory and no obvious cracks or damage was observed.

The drain lines are constructed of PVC and designed for gravity flow at ambient pressure and are not designed to operate under pressure. It is important to note that the drain lines when hydrostatic tested are completely full of water but under normal day-to-day gravity flow conditions may only be 1/3 full. Therefore, a crack in the upper 2/3 of the drain line above normal flow height may lead to a failed hydrostatic test but no discharge under normal flow conditions.

Alternative Test

An alternative drain line test was proposed to OCD during a site inspection with Wayne Price, OCD Santa Fe and Denny Foust, OCD Aztec. The alternative test proposed was to use a specific volume in/volume out test for each segment of the drain line. A description of the procedures used to complete the volume in/volume out procedures is provided in

Attachment 1A. In addition, an assessment of the waste that could be potentially discharged by the drain lines was performed.

The volume in/volume out test recovered 100% for each drain line segment (see Table 1, Attachment 1A). The waste analysis based on pre-existing data detected no hazardous waste.

Risk Assessment

Constituent of Concern

An analysis of the products used at the compressor station determined that only POLs are collected in the drain lines at the facilities in significant quantities and no hazardous substances are permitted in the drain lines and sump system.

Under normal engine operation trace amounts of metals are contained in the used oil and these trace metals along with the POLs were identified as the primary constituents of concern for potential releases from the drain lines. Existing analysis preformed to chemically profile the waste water and used oil was used to determine potential risk to the environment. The analysis of the water and the used POLs was performed for detection of metals, Flash point, and total organic halogen and volatile organic compounds. The analytical results determined that the parameters tested were below WQCC standards except for Selenium in the waste water. The Selenium concentration was measured at 0.23 mg/l and the WCCC human health standard for ground water is 0.05mg/l. The analytical results for the water and used oils are provided in Attachment 1A.

The results of the alternative volume in/volume out test demonstrated that an insignificant amount of water or none at all under normal operating conditions is lost from the drain lines

Geology and Hydrology

The receptors for potential releases from the drain line system would be the geologic materials underlying the station and to a lesser extent the ground water beneath the station. The potential for the soil contamination migrating a significant distance and subsequent ground water impacts was determined to be minor based on the following: 1) the drain lines are buried in concrete during construction further inhibiting the release of liquids; 2) the compaction necessary of the soils prior to construction of the compressor facility minimizes infiltration; 3) the 100% recovery results of the drain line volume in/volume out test completed demonstrated insignificant quantity of lost fluid; and 4) the down hole video survey not detecting significant failure in the drain line.

The soils at the Gobernador station consist of a clayey and silty sand. The underlying bedrock formation is sandstone. The cathodic well data in the area indicates the depth to groundwater to be approximately 80 feet. No groundwater was encountered during the

geotechnical test borings to a depth of 25 feet. The aquifer most likely to be affected by a potential discharge in this area is the San Juan Formation. This formation is characterized by interbedded sandstones and mudstones and is approximately 2700 ft. in total thickness. The closest ephemeral stream is the Gobernador Wash approximately ¼ mi southwest of the facility.

The migration of the POLs in the soils beneath the compressor station may be limited based on the characteristics of the POLS and the porosity of soils being fine grained and well compacted. Typically, heavier hydrocarbons do not travel far from the source without facilitated transport (i.e., head pressure) when released into fine compacted soils. Moreover, the risk to human health and the environment from the POLs may be further minimized by the natural biodegradation of the potential hydrocarbons in the soils over time. This coupled with the low hydrologic conductivity of the soils and the lack of natural precipitation to facilitate vertical transport may prevent the potential of groundwater impacts during the life of the compressor station.

Conclusion

The drain lines at the Gobernador Compressor Station present an insignificant risk to human health and the environment. This conclusion was supported by the testing and analysis results including: 1) satisfactory integrity of drain lines excavated outside the building; 2) no major findings of drain line failure using a down hole camera inspection; 3) 100% recovery results of the volume in /volume out testing under normal operation of the drain lines at ambient pressure; 4) the physical characteristics of the liquids minimizing migration; and 5) the analysis of potential constituents of concern in the waste drain line liquids.

To this end, in the unlikely event a release did occur the extent of contamination maybe small and in close proximity to the source and may never impact the groundwater. Finally, a complete remediation of the site will be performed after the decommissioning and abandonment of the station.

Attachment 1A

Volume In/Volume Out Waste Drain Line Testing Procedures

Attachment 1A

Volume In/Volume Out Waste Drain Line Testing Procedures

Preparation

1. Steam clean drain lines and sump prior to test.

2. Install inlet plug with stop flow valve into sump where drain line enters sump. This will aid in the accurate collection of "volume out" water. One person will need to be inside the sump to collect water. Caution this is a confined space and the appropriate confined space permit, freash air, safety procedures and equipment must be used.

3. Use graduated plastic buckets to accurately pour water into and capture water from drain lines.

4. Prevent the introduction of in coming fluids during the test by blocking drain lines at the source.

Test

1. Start at the furtherest drain line inlet from sump. Mark volume in .01-foot increments on volume in and volume out buckets.

2. Volume In: Add 5 gallons of liquid to drain line starting at furthest drain line from sump and document time. Be careful to add water slowly and use funnel to avoid water splash loss.

3. Volume Out: At sump inlet measure return volume in graduated bucket. Allow for sufficient time (approximately 30 minutes) for water to return through drain line. Note time and volume of water collected.

Quality Assurance/Quality Control

1. Repeat one drain line segment test blind to the person collecting the "volume out" measurement inside the sump. Compare both original and repeat "volume out" measurements to document measurement precision.

2. Decrease by ½ gallon the known amount of the "volume in" water added to a randomly selected drain line segment. Do this decreased volume test blind to the person collecting the "volume out" measurement inside the sump. This check will verify "volume out" measurement accuracy

TABLE 1 VOLUME IN/VOLUME OUT TEST RESULTS GOBERNADOR COMPRESSOR STATION

Drain line	Vol. In (gallons)	Vol. Out (gallons)	Time (minutes)	Notes
1	5.0	5.0	20	Start at south engine. Water and .01 ft film of oil
2	5.0	5.0	18	Water and .01 ft film of oil recovered
3	5.0	5.0	18	Water and .01 ft film of oil recovered
4	5.0	5.0	18	Water and .01 ft film of oil recovered
4R	5.0R	5.0R	17R	Water and .01 ft film of oil. Repeat drain line
5	5.0	5.0	17	Water and .01 ft film of oil recovered
6	4.5	4.5	15	Water with .01 ft. film of oil recovered
7	5.0	5.0	15	Water and .03 ft film of oil recovered
8	5.0	5.0	14	Water and .02 ft film of oil recovered

Note:
Graduated bucket accuracy was 0.01 feet

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2506 West Main Street, Farmington, NM 87401

WASTE OIL CHARACTERIZATION

Client: **Burlington Resources**
Project: BR-Compressor Stations
Sample ID: Gobarnador Compressor
Laboratory ID: 0398G06966
Sample Matrix: Oil
Condition: Intact

Date Reported: 12/22/98
Date Analyzed: 12/14/98
Date Sampled: 11/10/98
Date Received: 12/03/98

Analyte	Result	Units	Maximum Allowable Level
Arsenic	<3.0	ppm	5
Cadmium	<0.20	ppm	2
Chromium	<0.5	ppm	10
Lead	<2.50	ppm	100
Flash Point	>140	°F	must exceed 100
Total Organic Halogens	<1000	ppm	1000-4000

ND - Analyte not detected at stated detection level.

References:

Analysis performed according to SW-846 "Test Methods for Evaluating Solid Waste: Physical / Chemical Methods" United States Environmental Protection Agency 3rd Edition, Final Update III, December, 1996.

Annual Book of ASTM Standards, Vol. 05.01, Method D808-81, 1985.
Annual Book of ASTM Standards, Vol. 15.04, Method D93-80, 1985.

Comments:

Reported by: _____

Reviewed by: _____

imd

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2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Compressor Stations
Sample ID: Water From Used Oil Tank
Lab ID: 0399W05762
Matrix: Liquid
Condition: Cool/Intact

Date Reported: 12/13/99
Date Sampled: 11/23/99
Date Received: 11/23/99
Date Analyzed: 12/03/99

Parameter	Analytical Result	PQL	MCL	Units
TCLP Metals - EPA Method 1311				
Arsenic	<0.1	0.1	5.0	mg/L
Barium	<0.5	0.5	100	mg/L
Cadmium	<0.01	0.01	1.0	mg/L
Chromium	0.05	0.02	5.0	mg/L
Lead	<0.1	0.1	5.0	mg/L
Mercury	<0.001	0.001	0.2	mg/L
Selenium	0.23	0.1	1.0	mg/L
Silver	<0.05	0.05	5.0	mg/L

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protecti Agency, Final Update 1, July 1992.

Reviewed By: _____
William Lipps

jml

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2506 West Main Street, Farmington, NM 87401

Phone (505) 326-4737 Fax (505) 325-4182

Flash Point

Client:	**Burlington Resources**		
Project:	Compressor Stations	Date Reported:	12/13/99
Sample ID:	Water From Used Oil Tank	Date Sampled:	11/23/99
Laboratory ID:	0399W05762	Date Received:	11/23/99
Sample Matrix:	Liquid	Date Analyzed:	12/07/99
Condition:	Intact		

Analyte	Result	Units
Flash Point	>140	°F

References:

Analysis performed according to SW-846 "Test Methods for Evaluating Solid Waste: Physical / Chemical Methods" United States Environmental Protection Agency 3rd Edition, Final Update II, September, 1994.

Annual Book of ASTM Standards, Method D56.

Reported by: _____

Reviewed by: _____

jml

Inter·Mountain Laboratories, Inc.

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE
EPA METHOD 8260B
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client:	**Burlington Resources**	Date Reported:	12/08/99
Project ID:	Compressor Stations	Date Sampled:	11/23/99
Sample ID:	Water from used oil tanks	Date Received:	11/24/99
Laboratory ID:	0399W05762	Date Extracted:	NA
Sample Matrix:	Water	Date Analyzed:	12/01/99

Parameter	Analytical Result	Detection Limit	Regulatory Level	Units
Benzene	ND	0.05	0.5	mg/L
Carbon Tetrachloride	ND	0.05	0.5	mg/L
Chlorobenzene	ND	0.05	100	mg/L
Chloroform	ND	0.05	6.0	mg/L
1,2-Dichloroethane	ND	0.05	0.5	mg/L
1,1-Dichloroethylene	ND	0.05	0.7	mg/L
Methyl Ethyl Ketone (2-Butanone)	ND	1.25	200	mg/L
Tetrachloroethylene	ND	0.05	0.7	mg/L
Trichloroethylene	ND	0.05	0.5	mg/L
Vinyl Chloride	ND	0.05	0.2	mg/L

ND - Compound not detected at stated Detection Limit.

Surrogate Recovery	%	Limits
Dibromofluoromethane	97	86 - 118
Dichloroethane-d4	91	80 - 120
Toluene-d8	90	88 - 110
4-Bromofluorobenzene	92	86 - 116

Reference: Test Methods for Evaluating Water, Wastewater and Solid Waste, SW-846.U.S.E.P.A., Volume IB, Revision 2, December 1996.

Analyst

Reviewed

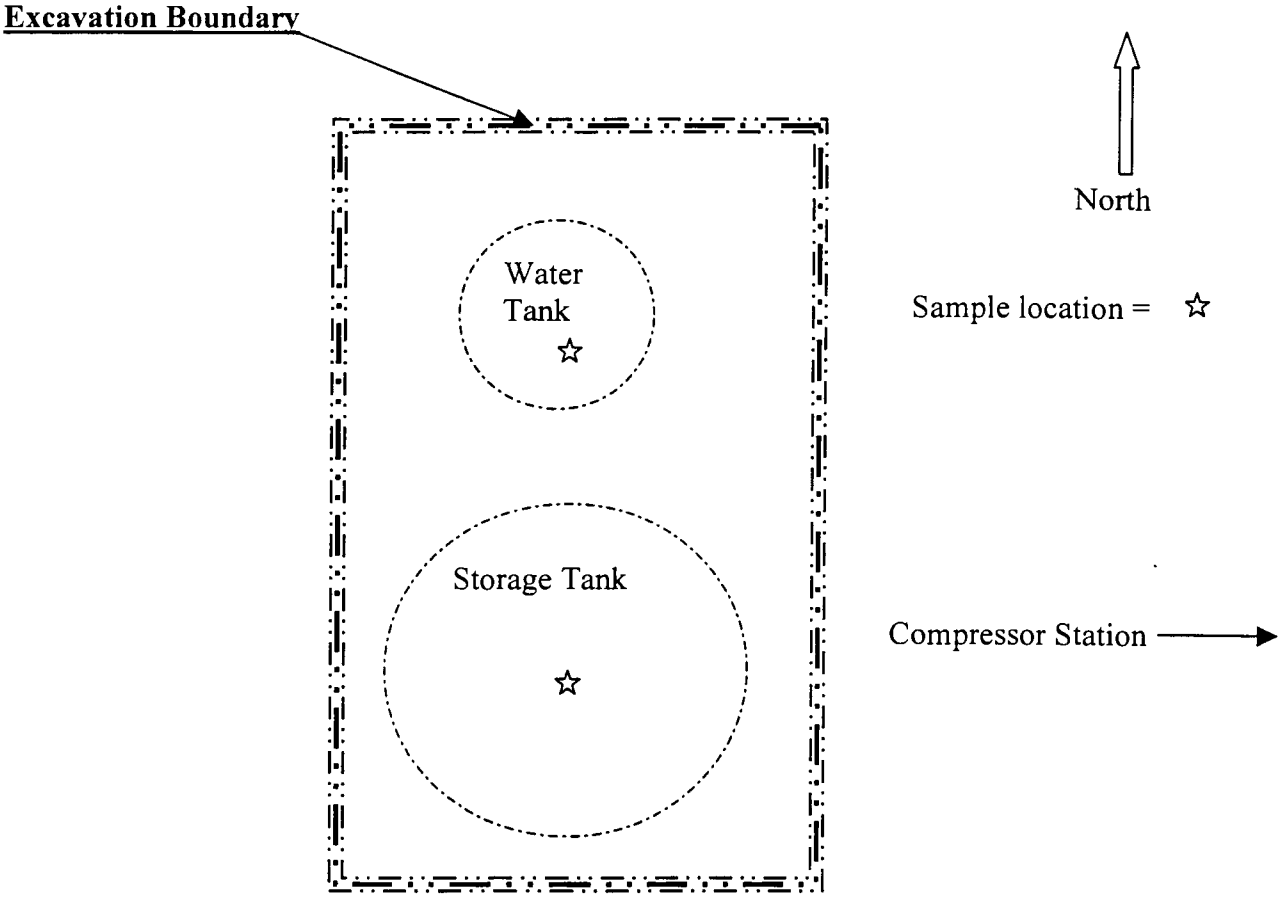
ATTACHMENT 2

RATTLE SNAKE COMPRESSOR STATION TANK WATER TANK REMEDIATION AND REPLACEMENT

Rattle Snake Compressor Station Fiberglass Waste Water Tank Replacement

Events

1. Area under both tanks excavated following the extent of soil contamination staining
2. Samples were collected at the deepest point of contamination under each tank.
3. The contamination was confined to area within berm perimeter (20 feet x 30 feet) and to a maximum depth under the storage tank of 16 feet.
4. Soil was replaced with clean fill and compacted and new water tank and the old storage tank were placed on liners and a berm reconstructed
5. Contaminated soil was land farmed at Quinn Compressor Station location



Sample from Water Tank collected at 8 feet PID field reading 0.0 ppm

Sample from Storage Tank collected at 16 feet BTEX = < 50 ug/kg
DRO/GRO = <30 ug/kg
PID = 0.0 ppm

Inter-Mountain Laboratories, Inc.
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2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Rattlesnake Comp. St.
Sample ID: Rattlesnake 12/00
Lab ID: 0300W05574
Matrix: Soil
Condition: Intact

Date Reported: 01/03/01
Date Sampled: 12/19/00
Date Received: 12/20/00

Parameter	Analytical Result	PQL	Units
DRO - METHOD 8015AZ			
Diesel Range Organics (C10 - C22)	<30	30	mg/Kg
Diesel Range Organics as Diesel	<30	30	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
o-Terphenyl(SUR-8015)	92	70 - 130

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: _____
William Lipps

imL Inter-Mountain Laboratories, Inc.
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2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Rattlesnake Comp. St.
Sample ID: Rattlesnake 12/00
Lab ID: 0300W05574
Matrix: Soil
Condition: Intact

Date Reported: 01/02/01
Date Sampled: 12/19/00
Date Received: 12/20/00

Parameter	Analytical Result	PQL	Units
BTEX - METHOD 8021B			
Benzene	<50	50	ug/Kg
Toluene	<50	50	ug/Kg
Ethylbenzene	<50	50	ug/Kg
Xylenes (total)	<150	150	ug/Kg

Quality Control - Surrogate Recovery	%	QC Limits
4-Bromofluorobenzene(SUR-8021B)	101	70 - 130

Reference: Method 8021b, Volatile Organic Compounds, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, United States Environmental Protection Agency, SW-846, Volume IB.

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Client: Burlington Resources
Project: Rattlesnake Comp. St.
Sample ID: Rattlesnake 12/00
Lab ID: 0300W05574
Matrix: Soil
Condition: Intact

Date Reported: 01/02/01
Date Sampled: 12/19/00
Date Received: 12/20/00

Parameter	Analytical Result	PQL	Units
GRO - METHOD 8015AZ			
Gasoline Range Organics(C6-C10)	<5	5	mg/Kg
Gasoline Range Organics as Gasoline	<5	5	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
4-Bromofluorobenzene(SUR-8015B)	101	70 - 130

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: _____
William Lipps

imi
Inter- Mountain
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSES / PARAMETERS
Burlington Resources	Rattlesnake Comp. St.	
Sampler: (Signature)	**Chain of Custody Tape No.**	
Gregg Wurtz		

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	BTEX	TPH GRO/DRO			Remarks
Rattlesnake 12/00	12/19/00	1500	[illegible]	Soil	1	✓	✓			Method 8015 mod.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Gregg Wurtz	12/19/00	1500	Karin Arrington	12/20/00	9:10
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by laboratory: (Signature)**	**Date**	**Time**

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Farmington, NM 87401
Telephone (505) 326-4737

☐ 11183 State Hwy. 30
College Station, TX 77845
Telephone (979) 776-8945

70466

ATTACHMENT 3

BUNEA VISTA COMPRESSOR STATION
GROUNDWATER MONITORING DATA

BUENA VISTA COMPRESSOR STATION

Quarterly Report for Groundwater Sampling

June 1998

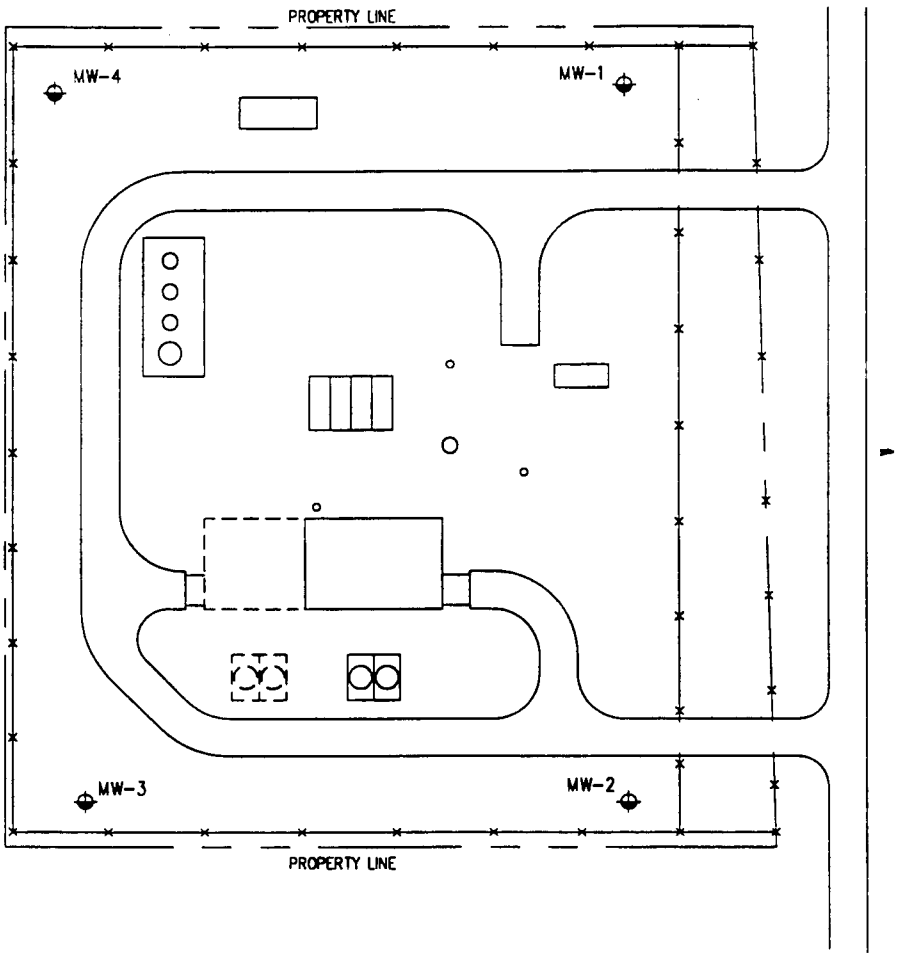
Prepared For

BURLINGTON RESOURCES OIL AND GAS COMPANY, FARMINGTON, NEW MEXICO

Project 16060

PHILIP SERVICES CORP.

4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262



LEGEND

MW-1 APPROXIMATE MONITORING WELL LOCATION AND WELL NUMBER

0 100'
FEET

NOTE: THIS FIGURE WAS PREPARED USING TRIGON ENGINEERING, INC. SCHEMATIC, FILE NUMBER 8VEMA2.

PHILIP ENVIRONMENTAL

NO.	REVISION	BY	APPR.	DATE
△				

TITLE:

GROUNDWATER MONITORING WELLS
BUENTA VISTA COMPRESSOR STATION
SAN JUAN COUNTY, NEW MEXICO

SCALE	AS NOTED	DATE
DWN:	M.R.W.	9/16/96
DES:		
CHKD:		
APPD:		

PROJECT NO: 16060
BURLINGTON RESOURCES
SAN JUAN COUNTY, NM

FIGURE 1

REV: 0

DL J:\16060\CIV\CL01-1

TABLE 1
SAMPLE RESULTS FROM GROUNDWATER SAMPLING
BURLINGTON RESOURCES OIL & GAS COMPANY
BUENA VISTA COMPRESSOR STATION

Location	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Chloro-benzene µg/L	1,2-Dichloro-benzene µg/L	1,3-Dichloro-benzene µg/L	Trichloro-fluoro-methane µg/L	TDS mg/L
MW-1	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2100
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2100
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	1100
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2200
	11/20/96	< 0.5	3.4	0.5	2.2	< 0.6	< 0.7	< 1.1	< 0.6	2100
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2200
	05/23/96	< 0.5	5.3	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	NA	2100
MW-2	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2300
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2100
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	1100
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2300
	11/20/96	< 0.5	3.1	0.6	3.3	< 0.6	< 0.7	< 1.1	< 0.6	2300
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2300
	05/23/96	< 0.5	5.3	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	NA	2400
MW-3	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	6100
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	5600
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2700
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	4800
	11/20/96	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	4400
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	4400
	05/23/96	< 0.5	5.4	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	NA	4000

µg/L = micrograms per liter
mg/L = milligrams per liter
BTEX Analysis by USEPA Method 8260
TDS Analysis by USEPA Method 160.1
NA - Data not available for this sampling event

PHILIP SERVICES CORP

TABLE 1

SAMPLE RESULTS FROM GROUNDWATER SAMPLING
BURLINGTON RESOURCES OIL & GAS COMPANY
BUENA VISTA COMPRESSOR STATION

CONTINUED

Location	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Chloro-benzene µg/L	1,2-Dichloro-benzene µg/L	1,3-Dichloro-benzene µg/L	Trichloro-fluoro-methane µg/L	TDS mg/L
MW-4	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2500
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2800
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	1400
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2600
	11/20/96	< 0.5	< 1.2	0.5	0.8	< 0.6	< 0.7	< 1.1	< 0.6	2300
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2600
	05/23/96	2.5	18	< 2.0	9.7	< 0.6	< 0.7	< 1.1	NA	2500

µg/L = micrograms per liter
BTEX Analysis by USEPA Method 8260
NA - Data not available for this sampling event

mg/L = milligrams per liter
TDS Analysis by USEPA Method 160.1

PHILIP SERVICES CORP

BURLINGTON RESOURCES

SAN JUAN DIVISION

June 25, 1998

Dale L. Wirth
Bureau of Land Management
1235 La Plata Highway
Farmington, New Mexico 87401

Re: Buena Vista Compressor Station
Groundwater Sampling Event

Dear Mr. Wirth:

Burlington Resources Oil and Gas Inc. (BR) is supplying you with a copy of the final Buena Vista Compressor Station Semi-Annual Report for Groundwater Sampling. The final sampling event took place on May 20, 1998. As with the previous sampling, laboratory results indicated that all tested parameters were below laboratory detection limits, except total disolved solids.

All groundwater sampling was done to meet the Buena Vista Environmental Assessment Requirements. Now that these requirements have been met, BR recommends plugging and abandoning the four monitoring wells. Please respond in writing indicating your concurrence.

If you have any questions regarding this submittal, please contact me at (505) 326-9841.

Sincerely,

Ed Hasely
Sr. Staff Environmental Representative

Enclosure: (1) Report for Groundwater Sampling, June 1998

cc: Bruce Gantner - BR
Rick Benson - BR
Buena Vista C.S. Facility File

File: Buena Vista\Groundwater Monitoring & Reports
s:\2-envnmt\grndwatr\facility\bunavsta\corresp\~~dec97~~.doc

BURLINGTON
RESOURCES

SAN JUAN DIVISION

March 7, 2001
CERTIFIED MAIL RETURN RECEIPT NO.70993220000289813946

Wayne Price
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RE: Burlington Resources Compressor Station Site Inspections 2000. **Manzanares GW-05, Gobernador GW-056, Pump Mesa GW-148, Quinn GW-239, Sandstone GW-193, Rattlesnake GW-093, Buena Vista GW-255, Pump Canyon GW-057, Hart Canyon GW-058, Cedar Hill GW-258, and Middle Mesa GW-07:**

Dear Mr. Price:

New Mexico Oil Conservation Division (OCD) conducted site inspections of 11 Burlington Resource's (BR) compressor stations that have discharge plan permits. Subsequent to these inspections OCD provided a list of inspection recommendations.

BR has successfully completed the recommendations detailed in OCD's inspection report. The written responses to each recommendation are provided in italic bold print following the OCD comment.

Manzanares GW-059:

1. Discharge of oil from the compressors is being deposited on the ground. ***BR removed the stained gravel, deeply raked the underlying soil, applied a remediation enhancing potassium permanganate solution and placed new gravel. An analysis of the cause of the contamination is being performed to identify the source of the hydrocarbon staining. The oil staining appears to be superficial, impacting only the surface gravel and top 2-3 inches of soil underlying the gravel. No direct cause has been determined except for over spray from the engine starter stacks located on this end of the building. The stacks were modified in 1999 with drains to prevent oil accumulations in stacks. Additional modifications to the design may be necessary.***

2. Oil stain found around wastewater tank. ***BR removed the stained gravel, deeply raked the underlying soil, applied a remediation enhancing potassium permanganate solution and covered the soil with new gravel. The tank integrity was visually verified as satisfactory and tank-gauging records do not indicate a tank leak has occurred. The likely source of the staining was an historic minor tank upset that may not have been completely cleaned from the sides and base of tank.***

Gobernador GW-056:

Compressor building drain lines will not hold pressure. ***BR proposed an alternative drain line test during the inspection. The test proposed and implemented was a volume in/volume out drain line test and an analysis of risk for the liquids transported in the drain line system. The volume in/volume out drain line test was successfully completed and demonstrated insignificant risks to the environment from the waste drain line system. A more complete description of the testing procedures and results are provided in Attachment 1.***

Pump Mesa GW-148:

1. Oil stain around produced water tank. ***BR applied a remediation enhancing potassium permanganate solution to the gravel. The staining was superficial and limited to the top surface of the gravel. The cause of the staining was believed to be a dump valve that may have stuck open causing over spray from the top of the tank where the dump line enters the tank.***

2. Oil stain around compressor sump pump. ***BR removed the stained gravel, deeply raked the underlying soil, applied a remediation enhancing potassium permanganate solution and placed new gravel. Hydrocarbon staining was limited to the top 2-4 inches of the soil underlying the gravel. The pump seals were replace and the pump no longer leaks oil.***

Quinn GW-239:

TEG and De-hydrator wastewater tank secondary liner is torn. ***The TEG tank was determined to be a double wall tank and in satisfactory condition. The plastic under the TEG was not replaced and the berm was left in place as tertiary containment. The containment liner under the dehydrator wastewater tank was replaced and berm rebuilt.***

Sandstone GW-193:

Tank farm area lube oil pump is leaking and produced water tank is wet around base. ***Replacing the pump seals repaired the lube oil pump. The gravel and soil around the pump was deeply raked and a remediation enhancing potassium permanganate solution was applied and new gravel placed. The oil contamination was limited to the top 2-4 inches of soil underlying the gravel The wet area around the tank was believed to be natural water and no contamination or tank problems were detected.***

Rattlesnake GW-093:

1. Motor oil and anti-freeze storage tanks do not have proper containment. ***Containments under both tanks were upgraded to meet OCD's requirements.***

2. Oil and water observed in condensate underground wastewater storage tank leak detector. ***The fiberglass wastewater storage tank was removed and replaced with a new metal tank. The condition of the fiberglass tank was satisfactory with no evidence of leaking. Historic contamination was detected adjacent to the wastewater tank and followed under the condensate storage tank during the excavation process. The source of the contamination was believed to be the storage tank. A laboratory sample for clean closure conformation was collected under this tank. The extent of contamination was determined to be limited to the extent of the bermed containment encompassing both storage tanks, approximately 20 feet x30 feet and 16 feet in depth at the deepest point. The impacted soils were removed and land farmed at the Quinn Compressor Station. The excavation was backfilled with clean soils and the facility was rebuilt. A diagram of the excavation and analytical results are included in Attachment 2.***

Buena Vista GW-255:

Submit most recent analysis from monitoring wells. ***The most recent ground water monitoring analysis is provided in Attachment 3. Ground water samples were collected quarterly between 5/96 and 5/98 with no constituents of concern detected. Included in the attachment is a letter from BR to BLM (June 25, 1998) recommending the four wells for plugging and abandonment.***

Pump Canyon GW-057:

Sign needs to be changed from Meridian to Burlington Resources. ***The sign has been changed to read Burlington Resources.***

Hart Canyon GW-058:

Main compressor building sump has lost mechanical integrity. ***The sump was removed and replaced with a new double walled tank with leak detection. No contamination was observed in the tank excavation. The old tank was pressure tested at the fabricators to determine the location of tank failure. The pressure test did not detect any leaks in the tank's primary or secondary walls. The old tank was determined to be in satisfactory condition and should not have been removed. A new procedure for tank integrity and leak detection testing is being developed.***

Cedar Hill GW-258:

Plant main vent system has oil accumulating on stack and system is located in stormwater drain area. ***The staining was caused by hydrocarbons and water that have accumulated in the Emergency Shut Down stack between shutdowns. Shut downs are infrequent and only in an emergency. The oil staining was observed to be insignificant and unlikely to contribute to a reportable storm water release. However, the soil was cleaned and will be monitored for future stack accumulations and any resulting soil staining will be remediated.***

Middle Mesa GW-077:

1. De-hydrator steam condensate wastewater tank needs proper containment. ***The tank was replace with a double walled tank.***

2. Outside west compressor-oil and water being discharged to ground. ***The gravel and soil, to a depth of 6 inches, was removed around the area adjacent to the compressor skid. The remaining soil was deeply raked and a bioremediation enhancing potassium permanganate solution was applied and new gravel placed. The compressor skid was redesigned to prevent oil and water from being discharged to the ground adjacent to the compressor.***

Common action items for all sites:

1. Burlington shall make minor modifications to all discharge plans to include a routine check for emptying all sumps and troughs. ***A Best Management Practice has been developed for this routine check of all sumps and containments.***

2. Burlington shall make minor modifications to all discharge plans up dating where all solid waste is being disposed of. ***The discharge plans provide this information on a table in Section VIII Effluent Disposal, Part B. Off-Site Disposal.***

If you have any questions please do not hesitate to contact me at 505-326-9537.

Sincerely;

J. Gregg Wurtz

J. Gregg Wurtz
Sr. Environmental Rep.
San Juan Division
505-326-9537

Cc: OCD Aztec Office
Attachments-3

Gobernador Waste Drain Line Test

The purpose of this Attachment is to document the successful completion of the drain line test at the Gobernador Compressor station on 11/29/00.

Background

The Gobernador Compressor Station has eight floor drains manifolded into one common 4 inch PVC drain line that flows to an outside sump tank and then to an above ground storage tank. The drain lines are below the concrete floor and collect mainly wash water and petroleum lubes and oils (POLs) generated from normal operation and maintenance of the compressor engines.

The drain lines were tested starting in April 2000 using a hydrostatic test procedure approved by OCD. The drain lines from the outside sump to the above ground storage tank and the sump inspection were tested successfully. The hydrostatic test of the drain lines from the sump to within the compressor building was unsuccessful. The drain lines inside the building failed because they were not able to hold the OCD specified static 3 p.s.i. pressure for 30 minutes. A small amount of pressure was lost during the test until a static level was achieved at ambient pressure and temperature at floor level.

To identify the cause of the test failure BR looked for any missed outlets or small cracks in the drain line that could have contribute to the loss in static pressure. Asbuilts for the station were reexamined for overlooked drain line outlets and all drain line lengths outside of the building were excavated and examined. No missed outlets or breaks in the drain lines were identified. No evidence of discharges was observed along the drain line excavated outside the building. The drain lines within the building are located under the concrete floor and surrounded by concrete and could not be excavated practically. The next step was to perform a visual inspection of the inside of the drain lines with a downhole video camera. The video determined that the condition of the inside of the drain lines was satisfactory and no obvious cracks or damage was observed.

The drain lines are constructed of PVC and designed for gravity flow at ambient pressure and are not designed to operate under pressure. It is important to note that the drain lines when hydrostatic tested are completely full of water but under normal day-to-day gravity flow conditions may only be 1/3 full. Therefore, a crack in the upper 2/3 of the drain line above normal flow height may lead to a failed hydrostatic test but no discharge under normal flow conditions.

Alternative Test

An alternative drain line test was proposed to OCD during a site inspection with Wayne Price, OCD Santa Fe and Denny Foust, OCD Aztec. The alternative test proposed was to use a specific volume in/volume out test for each segment of the drain line. A description of the procedures used to complete the volume in/volume out procedures is provided in

Attachment 1A. In addition, an assessment of the waste that could be potentially discharged by the drain lines was performed.

The volume in/volume out test recovered 100% for each drain line segment (see Table 1, Attachment 1A). The waste analysis based on pre-existing data detected no hazardous waste.

Risk Assessment

Constituent of Concern

An analysis of the products used at the compressor station determined that only POLs are collected in the drain lines at the facilities in significant quantities and no hazardous substances are permitted in the drain lines and sump system.

Under normal engine operation trace amounts of metals are contained in the used oil and these trace metals along with the POLs were identified as the primary constituents of concern for potential releases from the drain lines. Existing analysis preformed to chemically profile the waste water and used oil was used to determine potential risk to the environment. The analysis of the water and the used POLs was performed for detection of metals, Flash point, and total organic halogen and volatile organic compounds. The analytical results determined that the parameters tested were below WQCC standards except for Selenium in the waste water. The Selenium concentration was measured at 0.23 mg/l and the WCCC human health standard for ground water is 0.05mg/l. The analytical results for the water and used oils are provided in Attachment 1A.

The results of the alternative volume in/volume out test demonstrated that an insignificant amount of water or none at all under normal operating conditions is lost from the drain lines

Geology and Hydrology

The receptors for potential releases from the drain line system would be the geologic materials underlying the station and to a lesser extent the ground water beneath the station. The potential for the soil contamination migrating a significant distance and subsequent ground water impacts was determined to be minor based on the following: 1) the drain lines are buried in concrete during construction further inhibiting the release of liquids; 2) the compaction necessary of the soils prior to construction of the compressor facility minimizes infiltration; 3) the 100% recovery results of the drain line volume in/volume out test completed demonstrated insignificant quantity of lost fluid; and 4) the down hole video survey not detecting significant failure in the drain line.

The soils at the Gobernador station consist of a clayey and silty sand. The underlying bedrock formation is sandstone. The cathodic well data in the area indicates the depth to groundwater to be approximately 80 feet. No groundwater was encountered during the

geotechnical test borings to a depth of 25 feet. The aquifer most likely to be affected by a potential discharge in this area is the San Juan Formation. This formation is characterized by interbedded sandstones and mudstones and is approximately 2700 ft. in total thickness. The closest ephemeral stream is the Gobernador Wash approximately ¼ mi southwest of the facility.

The migration of the POLs in the soils beneath the compressor station may be limited based on the characteristics of the POLS and the porosity of soils being fine grained and well compacted. Typically, heavier hydrocarbons do not travel far from the source without facilitated transport (i.e., head pressure) when released into fine compacted soils. Moreover, the risk to human health and the environment from the POLs may be further minimized by the natural biodegradation of the potential hydrocarbons in the soils over time. This coupled with the low hydrologic conductivity of the soils and the lack of natural precipitation to facilitate vertical transport may prevent the potential of groundwater impacts during the life of the compressor station.

Conclusion

The drain lines at the Gobernador Compressor Station present an insignificant risk to human health and the environment. This conclusion was supported by the testing and analysis results including: 1) satisfactory integrity of drain lines excavated outside the building; 2) no major findings of drain line failure using a down hole camera inspection; 3) 100% recovery results of the volume in /volume out testing under normal operation of the drain lines at ambient pressure; 4) the physical characteristics of the liquids minimizing migration; and 5) the analysis of potential constituents of concern in the waste drain line liquids.

To this end, in the unlikely event a release did occur the extent of contamination maybe small and in close proximity to the source and may never impact the groundwater. Finally, a complete remediation of the site will be performed after the decommissioning and abandonment of the station.

Attachment 1A

Volume In/Volume Out Waste Drain Line Testing Procedures

Attachment 1A

Volume In/Volume Out Waste Drain Line Testing Procedures

Preparation

1. Steam clean drain lines and sump prior to test.

2. Install inlet plug with stop flow valve into sump where drain line enters sump. This will aid in the accurate collection of "volume out" water. One person will need to be inside the sump to collect water. Caution this is a confined space and the appropriate confined space permit, freash air, safety procedures and equipment must be used.

3. Use graduated plastic buckets to accurately pour water into and capture water from drain lines.

4. Prevent the introduction of in coming fluids during the test by blocking drain lines at the source.

Test

1. Start at the furtherest drain line inlet from sump. Mark volume in .01-foot increments on volume in and volume out buckets.

2. Volume In: Add 5 gallons of liquid to drain line starting at furthest drain line from sump and document time. Be careful to add water slowly and use funnel to avoid water splash loss.

3. Volume Out: At sump inlet measure return volume in graduated bucket. Allow for sufficient time (approximately 30 minutes) for water to return through drain line. Note time and volume of water collected.

Quality Assurance/Quality Control

1. Repeat one drain line segment test blind to the person collecting the "volume out" measurement inside the sump. Compare both original and repeat "volume out" measurements to document measurement precision.

2. Decrease by ½ gallon the known amount of the "volume in" water added to a randomly selected drain line segment. Do this decreased volume test blind to the person collecting the "volume out" measurement inside the sump. This check will verify "volume out" measurement accuracy

TABLE 1 VOLUME IN/VOLUME OUT TEST RESULTS GOBERNADOR COMPRESSOR STATION

Drain line	Vol. In (gallons)	Vol. Out (gallons)	Time (minutes)	Notes
1	5.0	5.0	20	Start at south engine. Water and .01 ft film of oil
2	5.0	5.0	18	Water and .01 ft film of oil recovered
3	5.0	5.0	18	Water and .01 ft film of oil recovered
4	5.0	5.0	18	Water and .01 ft film of oil recovered
4R	5.0R	5.0R	17R	Water and .01 ft film of oil. Repeat drain line
5	5.0	5.0	17	Water and .01 ft film of oil recovered
6	4.5	4.5	15	Water with .01 ft. film of oil recovered
7	5.0	5.0	15	Water and .03 ft film of oil recovered
8	5.0	5.0	14	Water and .02 ft film of oil recovered

Note:
Graduated bucket accuracy was 0.01 feet

imL Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182 2506 West Main Street, Farmington, NM 87401

WASTE OIL CHARACTERIZATION

Client: **Burlington Resources**
Project: BR-Compressor Stations
Sample ID: Gobernador Compressor
Laboratory ID: 0398G06966
Sample Matrix: Oil
Condition: Intact

Date Reported: 12/22/98
Date Analyzed: 12/14/98
Date Sampled: 11/10/98
Date Received: 12/03/98

Analyte	Result	Units	Maximum Allowable Level
Arsenic	<3.0	ppm	5
Cadmium	<0.20	ppm	2
Chromium	<0.5	ppm	10
Lead	<2.50	ppm	100
Flash Point	>140	°F	must exceed 100
Total Organic Halogens	<1000	ppm	1000-4000

ND - Analyte not detected at stated detection level.

References:

Analysis performed according to SW-846 "Test Methods for Evaluating Solid Waste: Physical / Chemical Methods" United States Environmental Protection Agency 3rd Edition, Final Update III, December, 1996.

Annual Book of ASTM Standards, Vol. 05.01, Method D808-81, 1985.
Annual Book of ASTM Standards, Vol. 15.04, Method D93-80, 1985.

Comments:

Reported by: _____ Reviewed by: _____

imL

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Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Compressor Stations
Sample ID: Water From Used Oil Tank
Lab ID: 0399W05762
Matrix: Liquid
Condition: Cool/Intact

Date Reported: 12/13/99
Date Sampled: 11/23/99
Date Received: 11/23/99
Date Analyzed: 12/03/99

Parameter	Analytical Result	PQL	MCL	Units
TCLP Metals - EPA Method 1311				
Arsenic	<0.1	0.1	5.0	mg/L
Barium	<0.5	0.5	100	mg/L
Cadmium	<0.01	0.01	1.0	mg/L
Chromium	0.05	0.02	5.0	mg/L
Lead	<0.1	0.1	5.0	mg/L
Mercury	<0.001	0.001	0.2	mg/L
Selenium	0.23	0.1	1.0	mg/L
Silver	<0.05	0.05	5.0	mg/L

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protecti Agency, Final Update 1, July 1992.

Reviewed By: _____
William Lipps

imL

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Flash Point

Client:	**Burlington Resources**		
Project:	Compressor Stations	Date Reported:	12/13/99
Sample ID:	Water From Used Oil Tank	Date Sampled:	11/23/99
Laboratory ID:	0399W05762	Date Received:	11/23/99
Sample Matrix:	Liquid	Date Analyzed:	12/07/99
Condition:	Intact		

Analyte	Result	Units
Flash Point	>140	°F

References:

Analysis performed according to SW-846 "Test Methods for Evaluating Solid Waste: Physical / Chemical Methods" United States Environmental Protection Agency 3rd Edition, Final Update II, September, 1994.

Annual Book of ASTM Standards, Method D56.

Reported by: _____

Reviewed by: _____

Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182 2506 West Main Street, Farmington, NM 87401

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
EPA METHOD 8260B
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client:	**Burlington Resources**	Date Reported:	12/08/99
Project ID:	Compressor Stations	Date Sampled:	11/23/99
Sample ID:	Water from used oil tanks	Date Received:	11/24/99
Laboratory ID:	0399W05762	Date Extracted:	NA
Sample Matrix:	Water	Date Analyzed:	12/01/99

Parameter	Analytical Result	Detection Limit	Regulatory Level	Units
Benzene	ND	0.05	0.5	mg/L
Carbon Tetrachloride	ND	0.05	0.5	mg/L
Chlorobenzene	ND	0.05	100	mg/L
Chloroform	ND	0.05	6.0	mg/L
1,2-Dichloroethane	ND	0.05	0.5	mg/L
1,1-Dichloroethylene	ND	0.05	0.7	mg/L
Methyl Ethyl Ketone (2-Butanone)	ND	1.25	200	mg/L
Tetrachloroethylene	ND	0.05	0.7	mg/L
Trichloroethylene	ND	0.05	0.5	mg/L
Vinyl Chloride	ND	0.05	0.2	mg/L

ND - Compound not detected at stated Detection Limit.

Surrogate Recovery	%	Limits
Dibromofluoromethane	97	86 - 118
Dichloroethane-d4	91	80 - 120
Toluene-d8	90	88 - 110
4-Bromofluorobenzene	92	86 - 116

Reference: Test Methods for Evaluating Water, Wastewater and Solid Waste, SW-846.U.S.E.P.A., Volume IB, Revision 2, December 1996.

Analyst

Reviewed

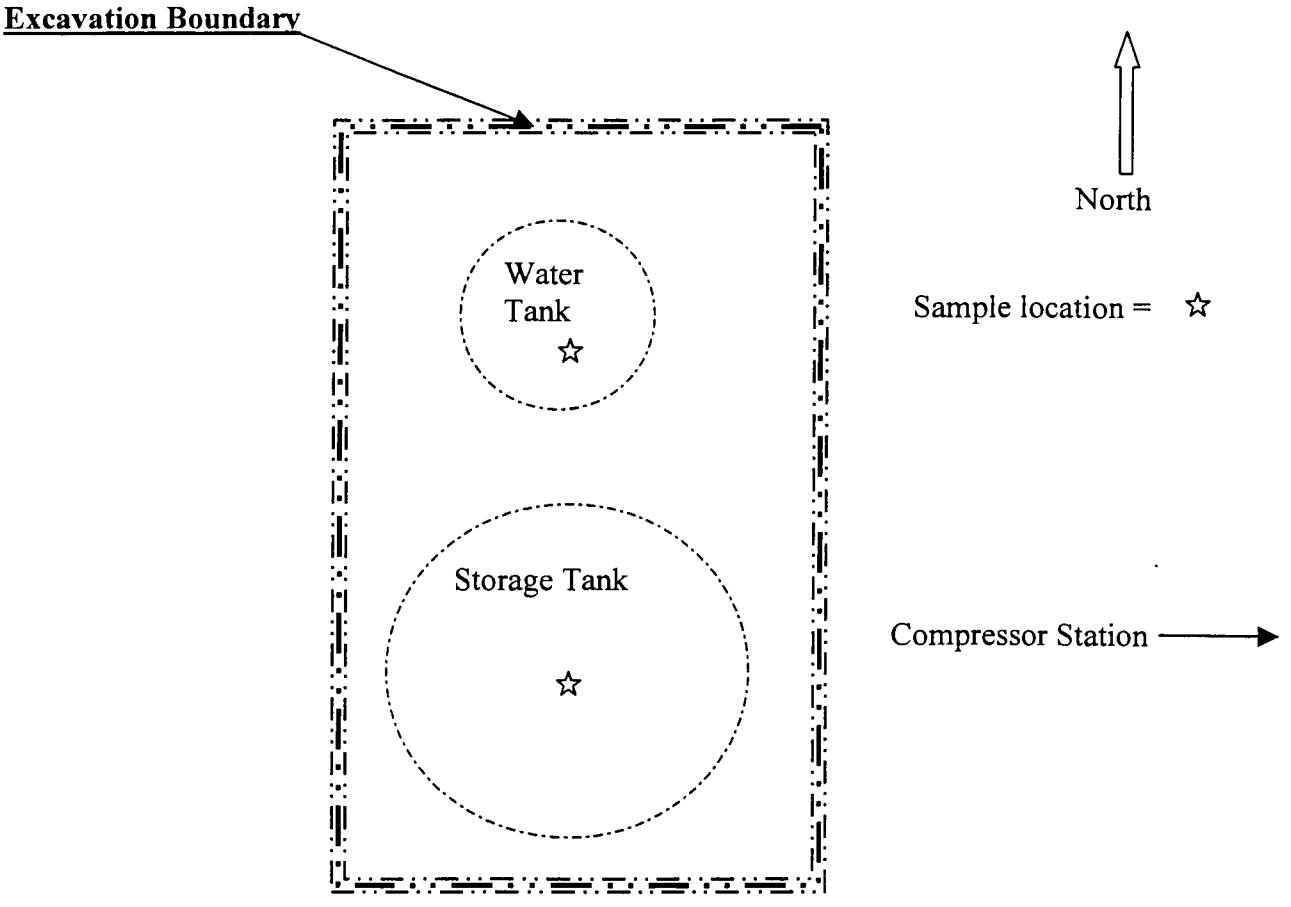
ATTACHMENT 2

**RATTLE SNAKE COMPRESSOR STATION
TANK WATER TANK REMEDIATION AND
REPLACEMENT**

Rattle Snake Compressor Station Fiberglass Waste Water Tank Replacement

Events

1. Area under both tanks excavated following the extent of soil contamination staining
2. Samples were collected at the deepest point of contamination under each tank.
3. The contamination was confined to area within berm perimeter (20 feet x 30 feet) and to a maximum depth under the storage tank of 16 feet.
4. Soil was replaced with clean fill and compacted and new water tank and the old storage tank were placed on liners and a berm reconstructed
5. Contaminated soil was land farmed at Quinn Compressor Station location



Sample from Water Tank collected at 8 feet PID field reading 0.0 ppm

Sample from Storage Tank collected at 16 feet BTEX = < 50 ug/kg
DRO/GRO = <30 ug/kg
PID = 0.0 ppm

Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Rattlesnake Comp. St.
Sample ID: Rattlesnake 12/00
Lab ID: 0300W05574
Matrix: Soil
Condition: Intact

Date Reported: 01/03/01
Date Sampled: 12/19/00
Date Received: 12/20/00

Parameter	Analytical Result	PQL	Units
DRO - METHOD 8015AZ			
Diesel Range Organics (C10 - C22)	<30	30	mg/Kg
Diesel Range Organics as Diesel	<30	30	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
o-Terphenyl(SUR-8015)	92	70 - 130

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: _____
William Lipps

imL

Inter-Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Rattlesnake Comp. St.
Sample ID: Rattlesnake 12/00
Lab ID: 0300W05574
Matrix: Soil
Condition: Intact

Date Reported: 01/02/01
Date Sampled: 12/19/00
Date Received: 12/20/00

Parameter	Analytical Result	PQL	Units
BTEX - METHOD 8021B			
Benzene	<50	50	ug/Kg
Toluene	<50	50	ug/Kg
Ethylbenzene	<50	50	ug/Kg
Xylenes (total)	<150	150	ug/Kg

Quality Control - Surrogate Recovery	%	QC Limits
4-Bromofluorobenzene(SUR-8021B)	101	70 - 130

Reference: Method 8021b, Volatile Organic Compounds, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, United States Environmental Protection Agency, SW-846, Volume IB.

Reviewed By: _____
William Lipps

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2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Rattlesnake Comp. St.
Sample ID: Rattlesnake 12/00
Lab ID: 0300W05574
Matrix: Soil
Condition: Intact

Date Reported: 01/02/01
Date Sampled: 12/19/00
Date Received: 12/20/00

Parameter	Analytical Result	PQL	Units
GRO - METHOD 8015AZ			
Gasoline Range Organics(C6-C10)	<5	5	mg/Kg
Gasoline Range Organics as Gasoline	<5	5	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
4-Bromofluorobenzene(SUR-8015B)	101	70 - 130

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: _____
William Lipps

imi
Inter-Mountain Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSES / PARAMETERS
Burlington Resources	Rattlesnake Comp. St.	
Sampler: (Signature)	**Chain of Custody Tape No.**	
Gregg Wurtz		

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	BTEX	TPH GRO/DRO			Remarks
Rattlesnake 12/00	12/19/00	1500	EE914	Soil	1	✓	✓			Method 8015 mod.

	Date	Time		Date	Time
Relinquished by: (Signature) Gregg Wurtz	12/19/00 ~~12/19/00~~	1500	**Received by: (Signature)** Karin Arrington	12/20/00	0910
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by laboratory: (Signature)**	**Date**	**Time**

Inter-Mountain Laboratories, Inc.

☐ 555 Absaraka, Sheridan, Wyoming 82801, Telephone (307) 674-7506
☐ 1633 Terra Avenue, Sheridan, Wyoming 82801, Telephone (307) 672-8945
☐ 1701 Phillips Circle, Gillette, Wyoming 82718, Telephone (307) 682-8945
☒ 2506 West Main Street, Farmington, NM 87401, Telephone (505) 326-4737
☐ 11183 State Hwy. 30, College Station, TX 77845, Telephone (979) 776-8945

70466

ATTACHMENT 3

BUNEA VISTA COMPRESSOR STATION
GROUNDWATER MONITORING DATA

BUENA VISTA COMPRESSOR STATION

Quarterly Report for Groundwater Sampling

June 1998

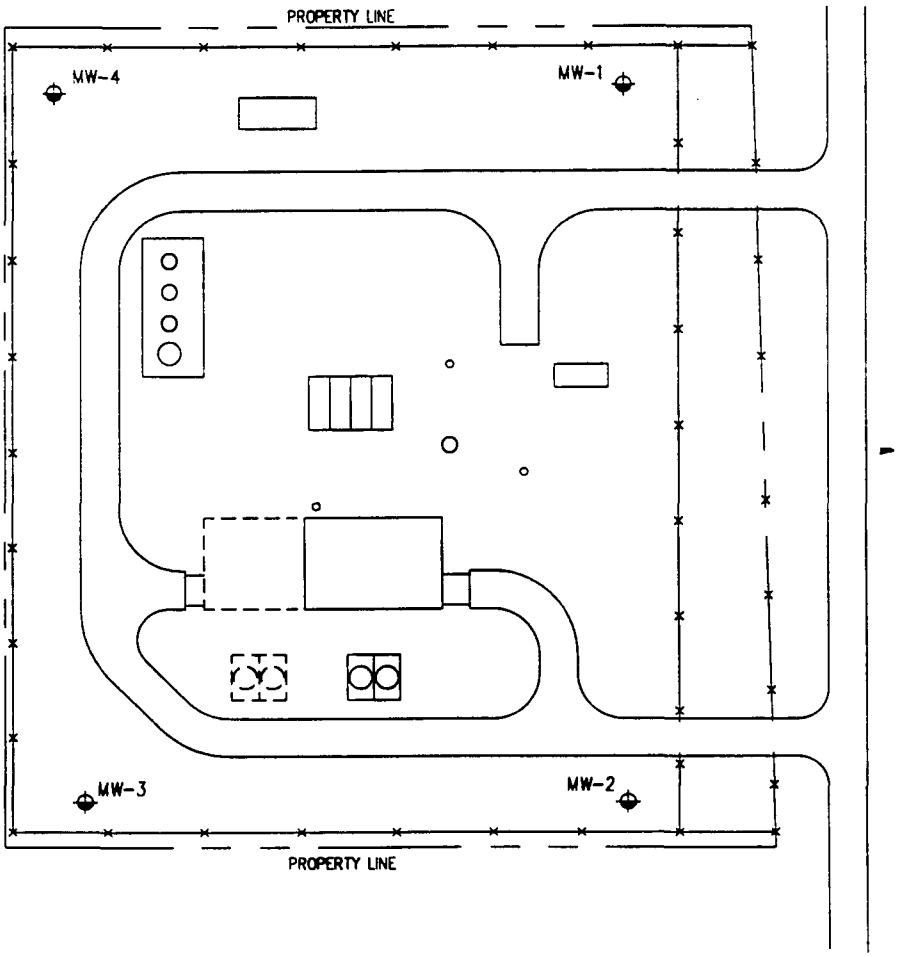
Prepared For

BURLINGTON RESOURCES OIL AND GAS COMPANY, FARMINGTON, NEW MEXICO

Project 16060

PHILIP SERVICES CORP.

4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262



LEGEND

MW-1 APPROXIMATE MONITORING WELL LOCATION AND WELL NUMBER

0 100'
FEET

NOTE: THIS FIGURE WAS PREPARED USING TRICON ENGINEERING, INC. SCHEMATIC, FILE NUMBER BVEMA2.

PHILIP ENVIRONMENTAL

NO.	REVISION	BY	APPR.	DATE
△				

TITLE:

GROUNDWATER MONITORING WELLS
BUENTA VISTA COMPRESSOR STATION
SAN JUAN COUNTY, NEW MEXICO

SCALE	AS NOTED	DATE
DWN:	M.R.W.	9/16/96
DES:		
CHKD:		
APPD:		

PROJECT NO: 16060
BURLINGTON RESOURCES
SAN JUAN COUNTY, NM

FIGURE 1

REV: 0

DL. J:\16060\CIV\CL01-1

TABLE 1
SAMPLE RESULTS FROM GROUNDWATER SAMPLING
BURLINGTON RESOURCES OIL & GAS COMPANY
BUENA VISTA COMPRESSOR STATION

Location	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Chloro-benzene µg/L	1,2-Dichloro-benzene µg/L	1,3-Dichloro-benzene µg/L	Trichloro-fluoro-methane µg/L	TDS mg/L
MW-1	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2100
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2100
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	1100
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2200
	11/20/96	< 0.5	3.4	0.5	2.2	< 0.6	< 0.7	< 1.1	< 0.6	2100
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2200
	05/23/96	< 0.5	5.3	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	NA	2100
MW-2	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2300
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2100
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	1100
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2300
	11/20/96	< 0.5	3.1	0.6	3.3	< 0.6	< 0.7	< 1.1	< 0.6	2300
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2300
	05/23/96	< 0.5	5.3	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	NA	2400
MW-3	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	6100
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	5600
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2700
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	4800
	11/20/96	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	4400
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	4400
	05/23/96	< 0.5	5.4	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	NA	4000

µg/L = micrograms per liter
mg/L = milligrams per liter
BTEX Analysis by USEPA Method 8260
TDS Analysis by USEPA Method 160.1
NA - Data not available for this sampling event

PHILIP SERVICES CORP

TABLE 1
SAMPLE RESULTS FROM GROUNDWATER SAMPLING
BURLINGTON RESOURCES OIL & GAS COMPANY
BUENA VISTA COMPRESSOR STATION

CONTINUED

Location	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Chloro-benzene µg/L	1,2-Dichloro-benzene µg/L	1,3-Dichloro-benzene µg/L	Trichloro-fluoro-methane µg/L	TDS mg/L
MW-4	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2500
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2800
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	1400
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2600
	11/20/96	< 0.5	< 1.2	0.5	0.8	< 0.6	< 0.7	< 1.1	< 0.6	2300
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2600
	05/23/96	2.5	18	< 2.0	9.7	< 0.6	< 0.7	< 1.1	NA	2500

µg/L = micrograms per liter
BTEX Analysis by USEPA Method 8260
NA - Data not available for this sampling event

mg/L = milligrams per liter
TDS Analysis by USEPA Method 160.1

PHILIP SERVICES CORP

BURLINGTON
RESOURCES

SAN JUAN DIVISION

June 25, 1998

Dale L. Wirth
Bureau of Land Management
1235 La Plata Highway
Farmington, New Mexico 87401

Re: Buena Vista Compressor Station
Groundwater Sampling Event

Dear Mr. Wirth:

Burlington Resources Oil and Gas Inc. (BR) is supplying you with a copy of the final Buena Vista Compressor Station Semi-Annual Report for Groundwater Sampling. The final sampling event took place on May 20, 1998. As with the previous sampling, laboratory results indicated that all tested parameters were below laboratory detection limits, except total disolved solids.

All groundwater sampling was done to meet the Buena Vista Environmental Assessment Requirements. Now that these requirements have been met, BR recommends plugging and abandoning the four monitoring wells. Please respond in writing indicating your concurrence.

If you have any questions regarding this submittal, please contact me at (505) 326-9841.

Sincerely,

Ed Hasely
Sr. Staff Environmental Representative

Enclosure: (1) Report for Groundwater Sampling, June 1998

cc: Bruce Gantner - BR
Rick Benson - BR
Buena Vista C.S. Facility File

File: Buena Vista\Groundwater Monitoring & Reports
s:\2-envnmt\grndwatr\facility\bunavsta\corresp\dec97.doc

3535 East 30th St., 87402-8891, P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

November 14, 2000

CERTIFIED MAIL
RETURN RECEIPT NO. 5051 4560

Mr. Greg Wurtz
Burlington Resources
P.O. Box 4289
Farmington, NM 87499-4289

RE: Site Inspections

Dear Mr. Wurtz:

New Mexico Oil Conservation Division (OCD) recently conducted site inspections of several Burlington Resources (BR) compressor stations that currently have discharge plan permits. Please find enclosed a copy of these inspection reports including photos for your files. Below is a summary of action items required to be addressed by Burlington Resources:

Manzanares GW-059:

1. Discharge of oil from the compressors are being deposited on the ground. (see picture #2)
2. Oil stain found around waste water tank. (see picture #3)

Gobernador GW-056:

1. Compressor building drain line will not hold pressure.

Pump Mesa GW-148:

1. Oil stain around produced water tank. (see picture #2)
2. Oil stain around compressor sump. (see picture #3)

Quinn GW-239:

1. TEG and De-hydrator waste water tank secondary liner is torn. (see picture #2)

Sandstone GW-193:

1. Tank farm area- lube oil pump is leaking and produced water tank is wet around base.

Rattlesnake GW-093:

1. Motor oil and anti-freeze storage tanks do not have proper containment.
2. Oil and water observed in condensate underground wastewater storage tank leak detector. (see picture 2&3)

Bunea Vista GW-255:

1. Submit most recent analysis from monitoring wells.

Pump Canyon GW-057:

1. Sign needs to be changed from Meridian to Burlington Resources. (see picture #1)

Hart Canyon GW-058:

1. Main Compressor sump has lost mechanical integrity. (see picture #3)

Cedar Hill GW-258:

1. Plant main vent system has oil accumulating on stack and system is located in stormwater drain area. (see picture #2)

Middle Mesa GW-077:

1. De-hydrator steam condensate wastewater tank needs proper containment. (see picture #2)
2. Outside west compressor-oil and water being discharged to ground. (see picture #3)

Common action items for all sites:

1. Burlington shall make minor modifications to all discharge plans to include a routine check for emptying all sumps and troughs.
2. Burlington shall make minor modifications to all discharge plans up dating where all solid waste is being disposed of.

Sandstone GW-193:

1. Tank farm area- lube oil pump is leaking and produced water tank is wet around base.

Rattlesnake GW-093:

1. Motor oil and anti-freeze storage tanks do not have proper containment.
2. Oil and water observed in condensate underground wastewater storage tank leak detector. (see picture 2&3)

Bunea Vista GW-255:

1. Submit most recent analysis from monitoring wells.

Pump Canyon GW-057:

1. Sign needs to be changed from Meridian to Burlington Resources. (see picture #1)

Hart Canyon GW-058:

1. Main Compressor sump has lost mechanical integrity. (see picture #3)

Cedar Hill GW-258:

1. Plant main vent system has oil accumulating on stack and system is located in stormwater drain area. (see picture #2)

Middle Mesa GW-077:

1. De-hydrator steam condensate wastewater tank needs proper containment. (see picture #2)
2. Outside west compressor-oil and water being discharged to ground. (see picture #3)

Common action items for all sites:

1. Burlington shall make minor modifications to all discharge plans to include a routine check for emptying all sumps and troughs.
2. Burlington shall make minor modifications to all discharge plans up dating where all solid waste is being disposed of.

Please provide a detail report for each action item listed above showing your corrective actions taken and/or findings by January 15, 2001.

If you have any questions please do not hesitate to call me at 505-827-7155.

Sincerely;

Wayne Price- Pet. Engr. Spec.

Cc: OCD Aztec Office
Attachments-11

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Revised March 17, 1999

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,GAS PLANTS. REFINERIES, COMPRESSOR, AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

1. Type: HART CANYON COMPRESSOR STATION
2. Operator: Burlington Resources Inc.

   Address: P.O. Box 4289, Farmington, New Mexico 87499-4289

   Contact Person: Gregg Wurtz Phone: (505) 326-~~9841~~ 9537

3. Location: NW /4 SE /4 Section 20 Township 31N Range 10W
   Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATIONI hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Gregg Wurtz Title: SR. Environmental Representative

Signature: Gregg Wurtz Date: 6/27/2000

BURLINGTON RESOURCES

SAN JUAN DIVISION

June 27, 2000

Certified –Z 186 732 865

Mr. Roger C. Anderson
Chief, Environmental Bureau
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

Re: Discharge Plan Renewal (GW-058) Hart Canyon Compressor Station

Dear Mr. Anderson:

As per the New Mexico Oil Conservation Division's request, Burlington Resources, Inc. (BR) is submitting the attached Hart Canyon Compressor Station Discharge Plan Renewal (GW-058).

Thank you for your time in reviewing this discharge plan. If I can be of further assistance, please contact me at (505) 326-9537.

Sincerely,

Gregg Wurtz
Senior Environmental Representative

Attachments

cc: Denny Foust New Mexico Oil Conservation Division 1000 Rio Brazos Aztec, NM 87401
Hart Canyon Compressor Station/Discharge Plan/Correspondence
Greg Kardos – BR
John Zent - BR

HART CANYON COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

JUNE 29, 2000

Prepared for:

Burlington Resources, Inc.
Farmington, New Mexico

Prepared by:

Gregg Wurtz

TABLE OF CONTENTS

HART CANYON COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

I. TYPE OF OPERATION

Hart Canyon Compressor Station (Hart Canyon) is a natural gas compressor station which receives lean gas via an upstream gas gathering system. At this facility the gas is compressed to an intermediate pressure.

II. OPERATOR AND LOCAL REPRESENTATIVE

A. Operator

Name: Burlington Resources	Address: P. O. Box 4289
City: Farmington	State: New Mexico
Zip: 87499-4289	Phone: 505-326-9700

B. Local Representative

Name: Gregg Wurtz	Address: P. O. Box 4289
City: Farmington	State: New Mexico
Zip: 87499-4289	Phone: 505-326-9537

III. FACILITY LOCATION

Township: T 31N	Range: R10W	Section: S 20 SW 1/4	County: San Juan

A topographic map of the area is attached as Figure 1, Facility Area Map.

IV. LANDOWNERS

Name: Burlington Resources	Address: P.O. Box 4289
City: Farmington	State: New Mexico
Zip: 87499-4289	Phone: 505 326-9700
Name: BLM	Address: 1235 La Plata Hwy.
City: Farmington	State: New Mexico
Zip: 87499	Phone: (505) 599 – 8900

V. FACILITY DESCRIPTION

Hart Canyon Compressor Station is constructed on a pad of approximately 10 acres in size. It consists of four gas compression engines (two-2650 hp and two 1350 hp), and the following tanks and sumps:

Container Type	Capacity	Product	Construction Material	Location
Tank	210 barrel	Lube Oil	Steel	Above ground
Tank	210 barrel	Used Oil	Steel	Above ground
Tank	210 barrel	Ethylene glycol (EG)	Steel	Above ground
Tank	210 barrel	Produced Water	Steel	Above ground
Tank	210 barrel	Fresh Water	Steel	Above ground
Process Sump	375 gallon	Oil, EG, Water	Steel	Below ground

The attached Figure 2 illustrates the overall facility layout and equipment components.

VI. SOURCES, QUANTITIES & QUALITY OF EFFLUENTS

A. Waste Stream Data

Source of Waste	Type of Waste	Volume/Month	Type/Volume of Additives	Collection System/Storage
Compressor Engines	Cooling Water	Intermittent	Ethylene Glycol (EG)	Drums
Compressor Engines	Leaks	Intermittent	EG, Oil, Water	Sump
Compressor Engines	Used Oil	654 gallons	None	Aboveground steel tank
Compressor Engines	Oil Filters	31 filters	None	Container/bin
Inlet Filter Separator	Inlet Filters	43 per year	None	Container/bin
Slug Catcher Inlet Separator	Produced Water	13 barrels	Corrosion Inhibitors	Aboveground steel tank
Trash	Solid Waste	1-2 Containers	None	Container/bin

B. Quality Characteristics

1. Note that there are no process waste stream discharges from Hart Canyon to the ground surface. Waste streams are contained and their disposition is described in Section VIII.

2. Chemical analysis has not been performed on any of the waste streams because they are not disposed of on-site as an "effluent". Produced water from the inlet filter separator may contain the BETX hydrocarbon compounds listed in WQCC 1-101.ZZ. Similarly, used oil collected in the sump will contain the WQCC 1-101.ZZ hydrocarbon compounds.

C. Commingled Waste Streams

1. Produced water from the inlet scubbers and filter separator may be commingled prior to being hauled for disposal. In addition, drips and/or leaks (deminimus quanties) from compressors, compressor engines, elevated oil lube tanks and wash water (fresh water) may be introduced into the sump during maintenance operations.

VII. TRANSFER & STORAGE OF PROCESS FLUIDS & EFFLUENTS

A. Storage

Information on the waste stream collection and storage containers is summarized in the tables in Sections V and VI.

B. Flow Schematics

The individual "treatment" units are shown on Figure 2. Produced water may be generated during the compression of natural gas with water being diverted to an aboveground tank.

C. Surface and Subsurface Discharge Potential

1. The table in section V provides a listing of all aboveground tanks and below grade sumps. Pressurized pipelines carry the compressed gas through the station to the outlet meter run.

2. Used compressor lube oil and engine crankcase oil is pumped into the 210 barrel used oil tank. Drips and minor leaks (de minimus quantities) from the compressors, compressor engines and elevated lube oil tank may drain into the sump. Fluids collected in the sump are periodically transferred to the 210 bbl above ground storage tank for disposal (see section VIII).

3. The size and construction material of the collection units is described in the table in section V.

D. NMOCD Design Criteria

1. The 210 bbl tanks (produced water tank, used oil tank, EG tank, and lube oil tank) are located in a 101' x 39' x 4' bermed area. Capacity of the bermed areas meets the general engineering practice of one and one third times the capacity of the largest tank. Each of the five tanks are independent and are not connected together by a common manifold.

2. Product drums may be in use or stored on location on occasion. To reduce the risk of spilled product from contacting the ground surface, BR stores these drums within the building that has containment or has constructed curbed concrete or containment to store the drums.

3. The below ground sump complies with OCD specifications. Sump is equipped with double walls and a leak detection system that provides a discrete alarm which can be viewed and monitored through the stations telemetry system 24 hours per day.

4. The installation of the 210 bbl storage tanks has been constructed on a 6" gravel pack, contained in a steel ring. Any leak in the tanks will be identified in the area outside of the steel ring.

5. An impermeable bermed containment would be installed if a major modification to the existing tank battery occurs and the potential for a release to the environment exist. BR will consider the replacement of a single tank within a multiple tank battery a minor modification. A major modification may include but is not limited to replacing the entire tank battery or increasing tank volume substantially.

E. Underground Pipelines and Below Grade Sumps

The mechanical integrity testing of the underground wastewater pipelines is performed once every 5 years from the date of permit approval. The mechanical integrity of the below grade sumps is performed annually. NMOCD will be notified 72 hours prior to testing.

F. Proposed Modifications

The existing site conditions at Hart Canyon provide protection from present or future ground water contamination. All plant processes are closed pipes, contained in tanks, or otherwise controlled to prevent leakage. No additional modifications are proposed at this time.

VIII. EFFLUENT DISPOSAL

A. On-Site Disposal

The Control Room is equipped with a toilet and sink, and uses an 800-gallon septic tank with a 300 sq. ft. constructed leach field adjacent to the motor control center. This facility does not conduct any on-site waste disposal other than human waste. All waste streams are taken off-site for recycling or disposal.

B. Off-Site Disposal

The following table provides information about off-site waste disposal:

Waste Stream	Shipment Method	Shipping Agent	Final Disposition	Receiving Facility
Produced Water	**Truck**	*See Note 1*	**Class II Well**	*See Note 2*
Inlet Separator, Used Oil, TEG and Fuel Gas Filters	**Truck**	*See Note 3*	**Filters are landfilled**	**Waste Management C/R 3100 Aztec, NM #**
Engine coolant	**Truck**	**Overland Dehy 5895 US Hwy. 64 Bloomfield, NM**	**Recycled**	**Overland Dehy 5895 US Hwy. 64 Bloomfield, NM**
Used Oil	**Truck**	*See Note 1*	**Recycled**	**Safety Clean 4210 A Hawkins Rd Farmington, NM**
Solid Waste *(Trash/Refuse)*	**Truck**	**Waste Management C/R 3100 Aztec, NM**	**Landfill**	**Waste Management C/R 3100 Aztec, NM**

Note 1: The trucking agent contracted to ship effluents off-site will be one of the following:

Dawn Trucking Co.
318 Hwy. 64
Farmington, New Mexico.

Key Trucking
708 S. Tucker Ave.
Farmington, New Mexico

Safety-Kleen
4210 A Hawkins Rd
Farmington, NM

Note 2: The off-site Disposal Facility will be one of the following:

McGrath SWD #4
Sec. 34, T-30-N, R-12-W
San Juan County
New Mexico

Key Disposal
Sec. 2, T-29-N, R-12-W
323 County Rd. 3500
Farmington, New Mexico

Basin Disposal
Sec. 3, T-29-N, R-11-W
6 County Rd 5046
Bloomfield, New Mexico

Note 3: The shipping agent for this material will be one of the following companies:

Waste Management
Road 3100
Aztec, New Mexico

Envirotech
5796 US Hwy. 64
Farmington, New Mexico

Tierra Environmental
Sec 2, T29N, R12W
San Juan Co., NM

Coastal Chemical Co.
10 Road 5911
Farmington, NM

IX. INSPECTION, MAINTENANCE AND REPORTING

A. Leak Detection/Site Visits

The below ground sump is equipped with double walls and a leak detection system that provides a discrete alarm which can be viewed through the stations telemetry system.
The 210 bbl storage tanks are placed on a liner within a berm to aid in detecting any leaks from the storage tanks.

B. Precipitation/Storm Water Runoff Control

Exposure minimization practices are used to lessen the potential for storm water to come into contact with process and waste streams. Consequently, storm water run-off does not come in contact with process waste streams. Precipitation that contacts the process equipment is contained within bermed or containment areas and allowed to evaporate. The facility pad is maintained to prevent surface accumulations and where necessary armored with gravel to minimize erosion and prevent surface accumulations. Open top tanks are inspected periodically to monitor fluid levels.

A storm water plan is not a requirement of the EPA (Federal; Register/Vol. 55 No. 22, Friday, November 16, 1990). A storm water permit is necessary only if a facility has had a release of a reportable quanty of oil or a hazardous substance in storm water with in the last three years. The Hart Canyon Compressor Station has not had a release of a reportable quantity to date.

C. General Maintenance

A log documenting spill collection/prevention is maintained as part of a daily log of the station operator's activities and maintenance work. The log specifically addresses compressor maintenance, however the operator does inspect the general facility and the station's systems for spill collection /prevention on a routine basis. Maintenance findings are noted in a logbook and corrective action is documented.

X. SPILL/LEAK PREVENTION & REPORTING

A. Spill/Leak Potential

Potential sources of spills or leaks at this facility include the following:

1. Tank overflow or rupture;
2. Overflow or cracking of concrete sumps;
3. Rupture of process pipelines.
4. Pigging operations

Prevention of accidental releases from these sources is a high priority of Burlington Resources Inc. (BR). Spill prevention is achieved primarily through proper execution

of operating procedures and secondly, by an active equipment inspection and maintenance program. Spill detection is accomplished by routine visual inspection of facility equipment and continuous monitoring of process instrumentation.

To reduce the risk of spilled process fluids from contacting the ground surface, BR has constructed curbed concrete or containment around process equipment with a higher probability of a spill/leak.

B. Spill/Leak Control

General spill cleanup procedures may involve minor earthwork to prevent migration, and recovery of as much free liquid as possible. Recovered fluids would then be transported off-site for recycling or disposal. Clean up procedures by BR will follow OCD Guidelines For Remediation of Leaks, Spills and Releases

.

Process and maintenance areas are not paved and curbed or have spill collection controls implemented unless a reoccurring long term pattern of significant spills or leaks is identified that can not be remediated by general clean up procedures. Incidental leaks or process/maintenance spills that are adequately remediated are not considered significant.

C. Spill/Leak Reporting

Should a release of materials occur, BR will comply in accordance with provisions described in NMOCD Rule and Regulation #116 and WQCC Section 1-203.

XI. SITE CHARACTERISTICS

Much of the information used for this section was obtained from New Mexico Bureau of Mines and Mineral Resources publications and a geotechnical report written for BR by Western Technologies Inc. in December of 1989. The report was generated to document physical characteristics of soils in the area of Hart Canyon for the purposes of construction. Documentation of the soils involved drilling three boreholes (ranging from 10' to 13.5' in depth), classifying and logging each soil type as it was encountered. The geotechical survey is not included with this discharge plan.

A. Hydrologic Features

1. Hart Canyon Wash is approximately one-half mile to the south-southwest edge of the site. The site generally slopes to the southwest.

2. Cathodic well data in the area indicates the depth to ground water to be approximately 130 feet. No ground water was encountered during test borings for the geotechnical survey.

3. Ground water flow direction is likely to be south southwest, based on a review of topographic features at the site. This would be consistent with an existing

wash/arroyo which runs along the southwest edge of the site.

B. Geologic Description of Site

1 The soil consist of silty or sandy clay with a low to moderate load bearing capabilities and moderate to high expansive potentials. These soils are underlain by cobbles, gravel and silty sand with moderate load bearing capabilities.

2. The aquifer most likely to be affected by a discharge in this area is the San Jose Formation. Total Dissolved Solids (TDS) of water from this formation is estimated to be greater than 1700 mg/l on an avg. (New Mexico Bureau of Mines and Mineral
Resources, 1983).

3. This formation is characterized by interbedded sandstone and mudstones. The thickness of the formation ranges up to nearly 2,700 feet, in the basin between Cuba and Gobernador. (New Mexico Bureau of Mines and Mineral Resources, 1983).

4. Depth to the top of bedrock strata, measured from the top of test bore holes ranged from 10.5' to 18'. (Western Technologies Inc. Geotechnical Report)

C. Flood Protection

Hart Canyon lies approximately 2.5 miles east of the Animas River. This area is not typically subject to flooding therefore special flood protection measures are not needed.

XII. ADDITIONAL INFORMATION

As stated previously, this facility does not intentionally discharge or dispose of any waste on-site. Containment devices are installed and regularly inspected to insure proper operation. As a result, BR has demonstrated that approval of this plan will not result in concentrations in excess of the standards of Section 3-103 or the presence of any toxic pollutant at any place of withdrawal of water for present or reasonably foreseeable future use.

XIII. AFFIRMATION

"I hereby certify that I am familiar with the information contained in and submitted with this discharge plan, and that such information is true, accurate, and complete to the best of my knowledge and belief."

Name: John Zent Title: General Manager, Compliance

Signature: John Zent Date: June 13, 2000

Name: Greg Kardos Title: Senior Plant Supervisor

Signature: Greg Kardos Date: 6/27/2000

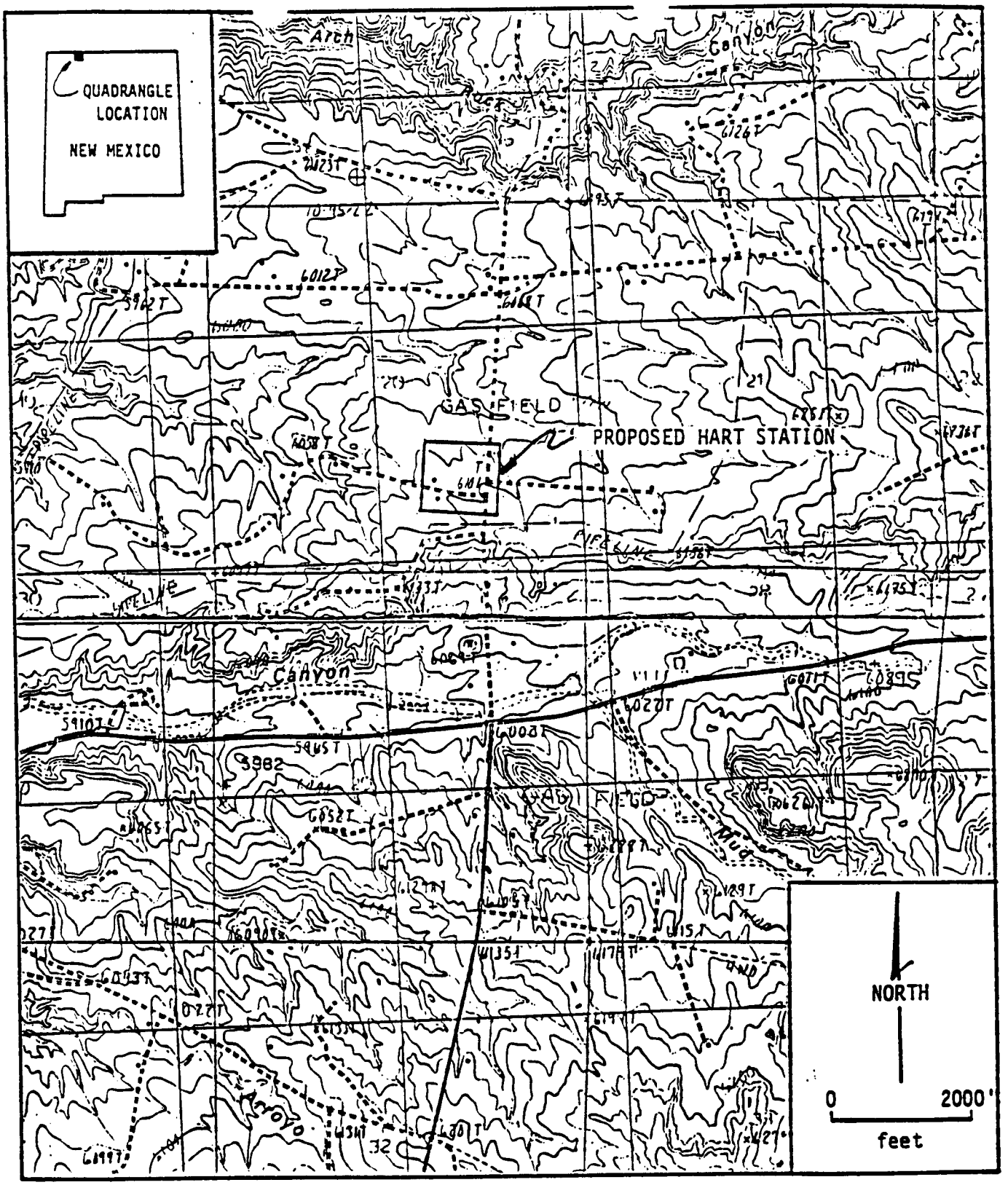


Figure #1

SITE LOCATION MAP OF PROPOSED HART STATION
(Modified from the Aztec, NM and the Cedar Hill, NM/CO USGS quadrangle maps)

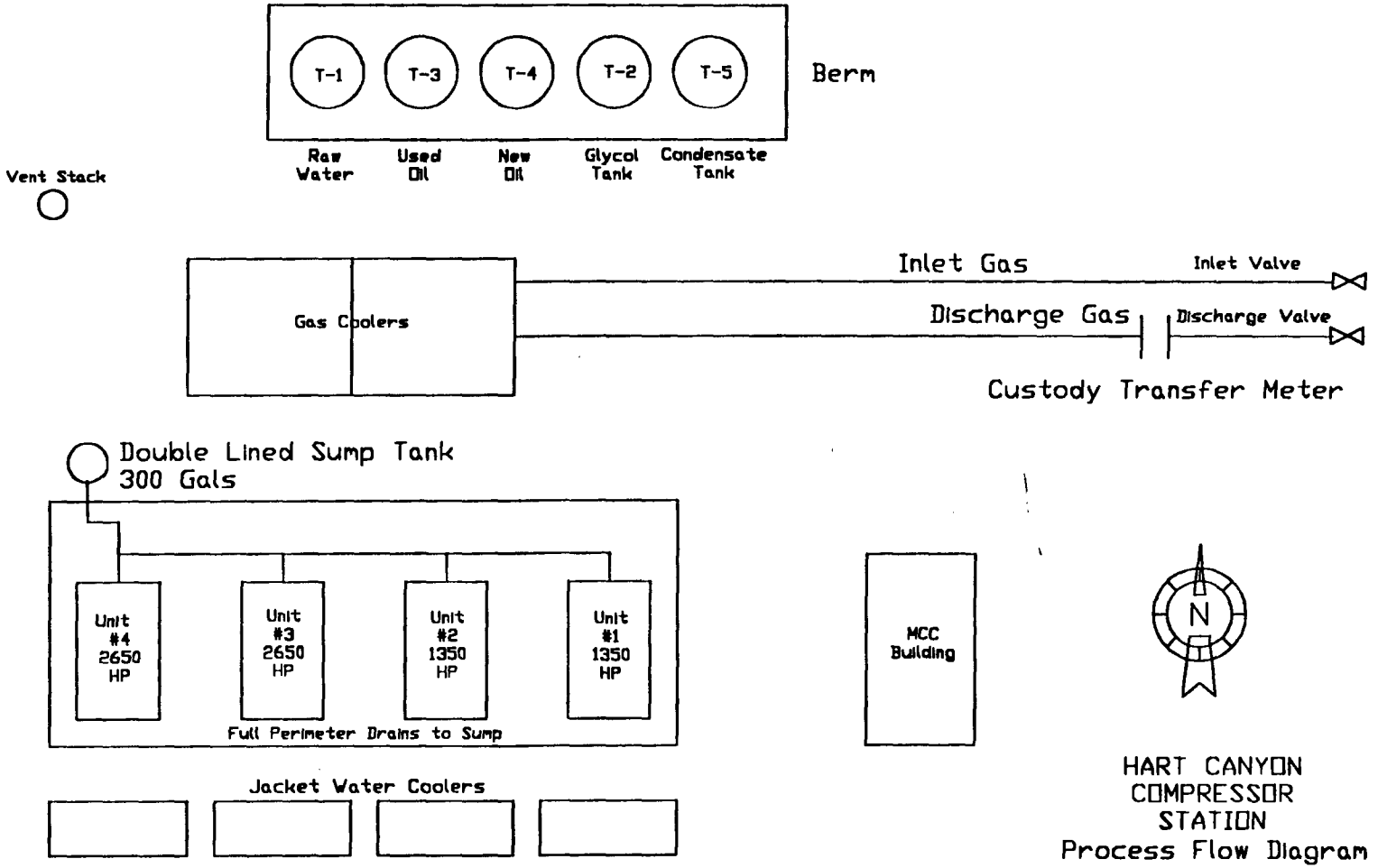

T-1
T-3
T-4
T-2
T-5
Berm
Raw Water
Used Oil
New Oil
Glycol Tank
Condensate Tank
Vent Stack
Gas Coolers
Inlet Gas
Inlet Valve
Discharge Gas
Discharge Valve
Custody Transfer Meter
Double Lined Sump Tank
300 Gals
Unit #4 2650 HP
Unit #3 2650 HP
Unit #2 1350 HP
Unit #1 1350 HP
Full Perimeter Drains to Sump
MCC Building
N
Jacket Water Coolers
HART CANYON
COMPRESSOR
STATION
Process Flow Diagram

Figure #2

THE SANTA FE
NEW MEXICAN
Founded 1849

AUG 1 8

NM OIL CONSERVATION DIVISION
ATTN: DONNA DOMINGUEZ
2040 S. PACHECO ST.
SANTA FE, NM 87505

AD NUMBER: 165351 ACCOUNT: 56689
LEGAL NO: 67907 P.O.#: 00199000278
314 LINES 1 time(s) at $ 138.41
AFFIDAVITS: 5.25
TAX: 8.98
TOTAL: 152.64

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE
I, B Perner being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #67907 a copy of which is hereto attached was published in said newspaper 1 day(s) between 08/15/2000 and 08/15/2000 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 15 day of August, 2000 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ Bilsy Perner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this
15 day of August A.D., 2000

Notary Laura L Harding

Commission Expires 01/23/03

Approved
8/21/00

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan applications have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-056) - Burlington Resources, Greg Wurtz, Environmental Representative, P.O. Box 4289, Farmington, New Mexico 87499-4289, has submitted a discharge plan renewal application for their Gobernador Natural Gas Compressor Station located in the NW/4 NW/4 of Section 31, Township 30 North, Range 7 West, NMPM, Rio Arriba County, New Mexico. Natural gas products, waste oil and water is stored in above ground tanks prior to being transported off-site to OCD approved facilities. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 80 feet with an estimated total dissolved solids concentration of approximately 1700 mg/L. The discharge plan addresses how oilfield products and waste will be properly handled, stored, and disposed of, including how spills, leaks and other accidental discharges to the surface will be managed in order to protect fresh water.

(GW-058) - Burlington Resources, Greg Wurtz, Environmental Representative, P.O. Box 4289, Farmington, New Mexico 87499-4289, has submitted a discharge plan renewal application for their Hart Canyon Natural Gas Compressor Station located in the NW/4 SE/4 of Section 20, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico. Natural gas products, waste oil and water is stored in above ground tanks prior to being transported off-site to OCD approved facilities. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 130 feet with an estimated total dissolved solids concentration of approximately 1700 mg/L. The discharge plan addresses how oilfield products and waste will be properly handled, stored, and disposed of, including how spills, leaks and other accidental discharges to the surface will be managed in order to protect fresh water.

(GW-059) - Burlington Resources, Greg Wurtz, Environmental Representative, P.O. Box 4289, Farmington, New Mexico 87499-4289, has submitted a discharge plan renewal application for their Manzanares Natural Gas Compressor Station located in the SW/4 SE/4 of Section 4, Township 29 North, Range 8 West, NMPM, San Juan County, New Mexico. Natural gas products, waste oil and water is stored in above ground tanks prior to being transported off-site to OCD approved facilities. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 211 feet with an estimated total dissolved solids concentration of approximately 1700 mg/L. The discharge plan addresses how oilfield products and waste will be properly handled, stored, and disposed of, including how spills, leaks and other accidental discharges to the surface will be managed in order to protect fresh water.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the Director determines there is significant public interest.

If no hearing is held, the Director will approve or disapprove the proposed plan based on the information available. If a public hearing is held, the Director will approve the proposed plan based on the information in the discharge plan application and information submitted at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 8th day of August, 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
LORI WROTENBERY,
Director

Legal #67907
Pub. August 15, 2000

(GW-059) — Burlington Resources, Greg Wurtz, Environmental Representative, P.O. Box 4289, Farmington, New Mexico 87499-4289, has submitted a discharge plan renewal application for their Manzanares Natural Gas Compressor Station located in the SW/4 SE/4 of Section 4, Township 29 North, Range 8 West, NMPM, San Juan County, New Mexico. Natural gas products, waste oil and water is stored in above ground tanks prior to being transported off-site to OCD approved facilities. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 211 feet with an estimated total dissolved solids concentration of approximately 1700 mg/l. The discharge plan addresses how oilfield products and waste will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

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If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 8th day of August, 2000.

STATE OF
NEW MEXICO
OIL CONSERVATION
DIVISION
LORI WROTENBERY,
Director

(SEAL)
(Published August 17, 2000)

NOTICE OF
PUBLICATION
STATE OF
NEW MEXICO
ENERGY, MINERALS
AND NATURAL
RESOURCES
DEPARTMENT
OIL CONSERVATION
DIVISION

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Affidavit of Publication

State of New Mexico
County of Río Arriba

I, Robert Trapp, being first duly sworn, declare and say I am the Publisher of the ***Río Grande SUN***, a weekly newspaper published in the English language and having a general circulation in the City of Española, County of Río Arriba, State of New Mexico, and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 of the Session Laws of 1937; the publication, a copy of which is hereto attached, was published in said paper once each week for

1 consecutive weeks and on the same day of each week in the regular issue of the paper during the time of publication and the notice was published in the newspaper proper, and not in any supplement, the first publication being on the 17th day of Aug, 2000 and the last publication on the 17th day of Aug., 2000; payment for said advertisement has been duly made, or assessed as court costs; the undersigned has personal knowledge of the matters and things set forth in this affidavit.

Robert Trapp
Publisher

Subscribed and sworn to before me this 17th day of August A.D., 2000

Notary Public
My commission expires 17 May 2001

Approved
8/22/00

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Revised March 17, 1999

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,GAS PLANTS. REFINERIES, COMPRESSOR, AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

1. Type: HART CANYON COMPRESSOR STATION
2. Operator: Burlington Resources Inc.

   Address: P.O. Box 4289, Farmington, New Mexico 87499-4289

   Contact Person: Gregg Wurtz Phone: (505) 326-~~9841~~ 9537

3. Location: NW /4 SE /4 Section 20 Township 31N Range 10W
   Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATIONI hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Gregg Wurtz Title: SR. Environmental Representative

Signature: Gregg Wurtz Date: 6/27/2000

BURLINGTON RESOURCES

SAN JUAN DIVISION

June 27, 2000

Certified –Z 186 732 865

Mr. Roger C. Anderson
Chief, Environmental Bureau
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

Re: Discharge Plan Renewal (GW-058) Hart Canyon Compressor Station

Dear Mr. Anderson:

As per the New Mexico Oil Conservation Division's request, Burlington Resources, Inc. (BR) is submitting the attached Hart Canyon Compressor Station Discharge Plan Renewal (GW-058).

Thank you for your time in reviewing this discharge plan. If I can be of further assistance, please contact me at (505) 326-9537.

Sincerely,

Gregg Wurtz
Senior Environmental Representative

Attachments

cc: Denny Foust New Mexico Oil Conservation Division 1000 Rio Brazos Aztec, NM 87401
Hart Canyon Compressor Station/Discharge Plan/Correspondence
Greg Kardos – BR
John Zent - BR

HART CANYON COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

JUNE 29, 2000

Prepared for:

Burlington Resources, Inc.
Farmington, New Mexico

Prepared by:

Gregg Wurtz

TABLE OF CONTENTS

HART CANYON COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

I. TYPE OF OPERATION

Hart Canyon Compressor Station (Hart Canyon) is a natural gas compressor station which receives lean gas via an upstream gas gathering system. At this facility the gas is compressed to an intermediate pressure.

II. OPERATOR AND LOCAL REPRESENTATIVE

A. Operator

Name: Burlington Resources	Address: P. O. Box 4289
City: Farmington	State: New Mexico
Zip: 87499-4289	Phone: 505-326-9700

B. Local Representative

Name: Gregg Wurtz	Address: P. O. Box 4289
City: Farmington	State: New Mexico
Zip: 87499-4289	Phone: 505-326-9537

III. FACILITY LOCATION

Township: T 31N	Range: R10W	Section: S 20 SW 1/4	County: San Juan

A topographic map of the area is attached as Figure 1, Facility Area Map.

IV. LANDOWNERS

Name: Burlington Resources	Address: P.O. Box 4289
City: Farmington	State: New Mexico
Zip: 87499-4289	Phone: 505 326-9700
Name: BLM	Address: 1235 La Plata Hwy.
City: Farmington	State: New Mexico
Zip: 87499	Phone: (505) 599 – 8900

V. FACILITY DESCRIPTION

Hart Canyon Compressor Station is constructed on a pad of approximately 10 acres in size. It consists of four gas compression engines (two-2650 hp and two 1350 hp), and the following tanks and sumps:

Container Type	Capacity	Product	Construction Material	Location
Tank	210 barrel	Lube Oil	Steel	Above ground
Tank	210 barrel	Used Oil	Steel	Above ground
Tank	210 barrel	Ethylene glycol (EG)	Steel	Above ground
Tank	210 barrel	Produced Water	Steel	Above ground
Tank	210 barrel	Fresh Water	Steel	Above ground
Process Sump	375 gallon	Oil, EG, Water	Steel	Below ground

The attached Figure 2 illustrates the overall facility layout and equipment components.

VI. SOURCES, QUANTITIES & QUALITY OF EFFLUENTS

A. Waste Stream Data

Source of Waste	Type of Waste	Volume/Month	Type/Volume of Additives	Collection System/Storage
Compressor Engines	Cooling Water	Intermittent	Ethylene Glycol (EG)	Drums
Compressor Engines	Leaks	Intermittent	EG, Oil, Water	Sump
Compressor Engines	Used Oil	654 gallons	None	Aboveground steel tank
Compressor Engines	Oil Filters	31 filters	None	Container/bin
Inlet Filter Separator	Inlet Filters	43 per year	None	Container/bin
Slug Catcher Inlet Separator	Produced Water	13 barrels	Corrosion Inhibitors	Aboveground steel tank
Trash	Solid Waste	1-2 Containers	None	Container/bin

B. Quality Characteristics

1. Note that there are no process waste stream discharges from Hart Canyon to the ground surface. Waste streams are contained and their disposition is described in Section VIII.

2. Chemical analysis has not been performed on any of the waste streams because they are not disposed of on-site as an "effluent". Produced water from the inlet filter separator may contain the BETX hydrocarbon compounds listed in WQCC 1-101.ZZ. Similarly, used oil collected in the sump will contain the WQCC 1-101.ZZ hydrocarbon compounds.

C. Commingled Waste Streams

1. Produced water from the inlet scubbers and filter separator may be commingled prior to being hauled for disposal. In addition, drips and/or leaks (deminimus quanties) from compressors, compressor engines, elevated oil lube tanks and wash water (fresh water) may be introduced into the sump during maintenance operations.

VII. TRANSFER & STORAGE OF PROCESS FLUIDS & EFFLUENTS

A. Storage

Information on the waste stream collection and storage containers is summarized in the tables in Sections V and VI.

B. Flow Schematics

The individual "treatment" units are shown on Figure 2. Produced water may be generated during the compression of natural gas with water being diverted to an aboveground tank.

C. Surface and Subsurface Discharge Potential

1. The table in section V provides a listing of all aboveground tanks and below grade sumps. Pressurized pipelines carry the compressed gas through the station to the outlet meter run.

2. Used compressor lube oil and engine crankcase oil is pumped into the 210 barrel used oil tank. Drips and minor leaks (de minimus quantities) from the compressors, compressor engines and elevated lube oil tank may drain into the sump. Fluids collected in the sump are periodically transferred to the 210 bbl above ground storage tank for disposal (see section VIII).

3. The size and construction material of the collection units is described in the table in section V.

D. NMOCD Design Criteria

1. The 210 bbl tanks (produced water tank, used oil tank, EG tank, and lube oil tank) are located in a 101' x 39' x 4' bermed area. Capacity of the bermed areas meets the general engineering practice of one and one third times the capacity of the largest tank. Each of the five tanks are independent and are not connected together by a common manifold.

2. Product drums may be in use or stored on location on occasion. To reduce the risk of spilled product from contacting the ground surface, BR stores these drums within the building that has containment or has constructed curbed concrete or containment to store the drums.

3. The below ground sump complies with OCD specifications. Sump is equipped with double walls and a leak detection system that provides a discrete alarm which can be viewed and monitored through the stations telemetry system 24 hours per day.

4. The installation of the 210 bbl storage tanks has been constructed on a 6" gravel pack, contained in a steel ring. Any leak in the tanks will be identified in the area outside of the steel ring.

5. An impermeable bermed containment would be installed if a major modification to the existing tank battery occurs and the potential for a release to the environment exist. BR will consider the replacement of a single tank within a multiple tank battery a minor modification. A major modification may include but is not limited to replacing the entire tank battery or increasing tank volume substantially.

E. Underground Pipelines and Below Grade Sumps

The mechanical integrity testing of the underground wastewater pipelines is performed once every 5 years from the date of permit approval. The mechanical integrity of the below grade sumps is performed annually. NMOCD will be notified 72 hours prior to testing.

F. Proposed Modifications

The existing site conditions at Hart Canyon provide protection from present or future ground water contamination. All plant processes are closed pipes, contained in tanks, or otherwise controlled to prevent leakage. No additional modifications are proposed at this time.

VIII. EFFLUENT DISPOSAL

A. On-Site Disposal

The Control Room is equipped with a toilet and sink, and uses an 800-gallon septic tank with a 300 sq. ft. constructed leach field adjacent to the motor control center. This facility does not conduct any on-site waste disposal other than human waste. All waste streams are taken off-site for recycling or disposal.

B. Off-Site Disposal

The following table provides information about off-site waste disposal:

Waste Stream	Shipment Method	Shipping Agent	Final Disposition	Receiving Facility
Produced Water	**Truck**	***See Note 1***	**Class II Well**	***See Note 2***
Inlet Separator, Used Oil, TEG and Fuel Gas Filters	**Truck**	***See Note 3***	**Filters are landfilled**	**Waste Management C/R 3100 Aztec, NM #**
Engine coolant	**Truck**	**Overland Dehy 5895 US Hwy. 64 Bloomfield, NM**	**Recycled**	**Overland Dehy 5895 US Hwy. 64 Bloomfield, NM**
Used Oil	**Truck**	***See Note 1***	**Recycled**	**Safety Clean 4210 A Hawkins Rd Farmington, NM**
Solid Waste *(Trash/Refuse)*	**Truck**	**Waste Management C/R 3100 Aztec, NM**	**Landfill**	**Waste Management C/R 3100 Aztec, NM**

Note 1: The trucking agent contracted to ship effluents off-site will be one of the following:

Dawn Trucking Co.
318 Hwy. 64
Farmington, New Mexico.

Key Trucking
708 S. Tucker Ave.
Farmington, New Mexico

Safety-Kleen
4210 A Hawkins Rd
Farmington, NM

Note 2: The off-site Disposal Facility will be one of the following:

McGrath SWD #4
Sec. 34, T-30-N, R-12-W
San Juan County
New Mexico

Key Disposal
Sec. 2, T-29-N, R-12-W
323 County Rd. 3500
Farmington, New Mexico

Basin Disposal
Sec. 3, T-29-N, R-11-W
6 County Rd 5046
Bloomfield, New Mexico

Note 3: The shipping agent for this material will be one of the following companies:

Waste Management
Road 3100
Aztec, New Mexico

Envirotech
5796 US Hwy. 64
Farmington, New Mexico

Tierra Environmental
Sec 2, T29N, R12W
San Juan Co., NM

Coastal Chemical Co.
10 Road 5911
Farmington, NM

IX. INSPECTION, MAINTENANCE AND REPORTING

A. Leak Detection/Site Visits

The below ground sump is equipped with double walls and a leak detection system that provides a discrete alarm which can be viewed through the stations telemetry system.
The 210 bbl storage tanks are placed on a liner within a berm to aid in detecting any leaks from the storage tanks.

B. Precipitation/Storm Water Runoff Control

Exposure minimization practices are used to lessen the potential for storm water to come into contact with process and waste streams. Consequently, storm water run-off does not come in contact with process waste streams. Precipitation that contacts the process equipment is contained within bermed or containment areas and allowed to evaporate. The facility pad is maintained to prevent surface accumulations and where necessary armored with gravel to minimize erosion and prevent surface accumulations. Open top tanks are inspected periodically to monitor fluid levels.

A storm water plan is not a requirement of the EPA (Federal; Register/Vol. 55 No. 22, Friday, November 16, 1990). A storm water permit is necessary only if a facility has had a release of a reportable quanty of oil or a hazardous substance in storm water with in the last three years. The Hart Canyon Compressor Station has not had a release of a reportable quantity to date.

C. General Maintenance

A log documenting spill collection/prevention is maintained as part of a daily log of the station operator's activities and maintenance work. The log specifically addresses compressor maintenance, however the operator does inspect the general facility and the station's systems for spill collection /prevention on a routine basis. Maintenance findings are noted in a logbook and corrective action is documented.

X. SPILL/LEAK PREVENTION & REPORTING

A. Spill/Leak Potential

Potential sources of spills or leaks at this facility include the following:

1. Tank overflow or rupture;
2. Overflow or cracking of concrete sumps;
3. Rupture of process pipelines.
4. Pigging operations

Prevention of accidental releases from these sources is a high priority of Burlington Resources Inc. (BR). Spill prevention is achieved primarily through proper execution

of operating procedures and secondly, by an active equipment inspection and maintenance program. Spill detection is accomplished by routine visual inspection of facility equipment and continuous monitoring of process instrumentation.

To reduce the risk of spilled process fluids from contacting the ground surface, BR has constructed curbed concrete or containment around process equipment with a higher probability of a spill/leak.

B. Spill/Leak Control

General spill cleanup procedures may involve minor earthwork to prevent migration, and recovery of as much free liquid as possible. Recovered fluids would then be transported off-site for recycling or disposal. Clean up procedures by BR will follow OCD Guidelines For Remediation of Leaks, Spills and Releases

.

Process and maintenance areas are not paved and curbed or have spill collection controls implemented unless a reoccurring long term pattern of significant spills or leaks is identified that can not be remediated by general clean up procedures. Incidental leaks or process/maintenance spills that are adequately remediated are not considered significant.

C. Spill/Leak Reporting

Should a release of materials occur, BR will comply in accordance with provisions described in NMOCD Rule and Regulation #116 and WQCC Section 1-203.

XI. SITE CHARACTERISTICS

Much of the information used for this section was obtained from New Mexico Bureau of Mines and Mineral Resources publications and a geotechnical report written for BR by Western Technologies Inc. in December of 1989. The report was generated to document physical characteristics of soils in the area of Hart Canyon for the purposes of construction. Documentation of the soils involved drilling three boreholes (ranging from 10' to 13.5' in depth), classifying and logging each soil type as it was encountered. The geotechical survey is not included with this discharge plan.

A. Hydrologic Features

1. Hart Canyon Wash is approximately one-half mile to the south-southwest edge of the site. The site generally slopes to the southwest.

2. Cathodic well data in the area indicates the depth to ground water to be approximately 130 feet. No ground water was encountered during test borings for the geotechnical survey.

3. Ground water flow direction is likely to be south southwest, based on a review of topographic features at the site. This would be consistent with an existing

wash/arroyo which runs along the southwest edge of the site.

B. Geologic Description of Site

1 The soil consist of silty or sandy clay with a low to moderate load bearing capabilities and moderate to high expansive potentials. These soils are underlain by cobbles, gravel and silty sand with moderate load bearing capabilities.

2. The aquifer most likely to be affected by a discharge in this area is the San Jose Formation. Total Dissolved Solids (TDS) of water from this formation is estimated to be greater than 1700 mg/l on an avg. (New Mexico Bureau of Mines and Mineral
Resources, 1983).

3. This formation is characterized by interbedded sandstone and mudstones. The thickness of the formation ranges up to nearly 2,700 feet, in the basin between Cuba and Gobernador. (New Mexico Bureau of Mines and Mineral Resources, 1983).

4. Depth to the top of bedrock strata, measured from the top of test bore holes ranged from 10.5' to 18'. (Western Technologies Inc. Geotechnical Report)

C. Flood Protection

Hart Canyon lies approximately 2.5 miles east of the Animas River. This area is not typically subject to flooding therefore special flood protection measures are not needed.

XII. ADDITIONAL INFORMATION

As stated previously, this facility does not intentionally discharge or dispose of any waste on-site. Containment devices are installed and regularly inspected to insure proper operation. As a result, BR has demonstrated that approval of this plan will not result in concentrations in excess of the standards of Section 3-103 or the presence of any toxic pollutant at any place of withdrawal of water for present or reasonably foreseeable future use.

XIII. AFFIRMATION

"I hereby certify that I am familiar with the information contained in and submitted with this discharge plan, and that such information is true, accurate, and complete to the best of my knowledge and belief."

Name: John Zent Title: General Manager, Compliance

Signature: John F Zent Date: June 13, 2000

Name: Greg Kardos Title: Senior Plant Supervisor

Signature: Greg Kardos Date: 6/27/2000

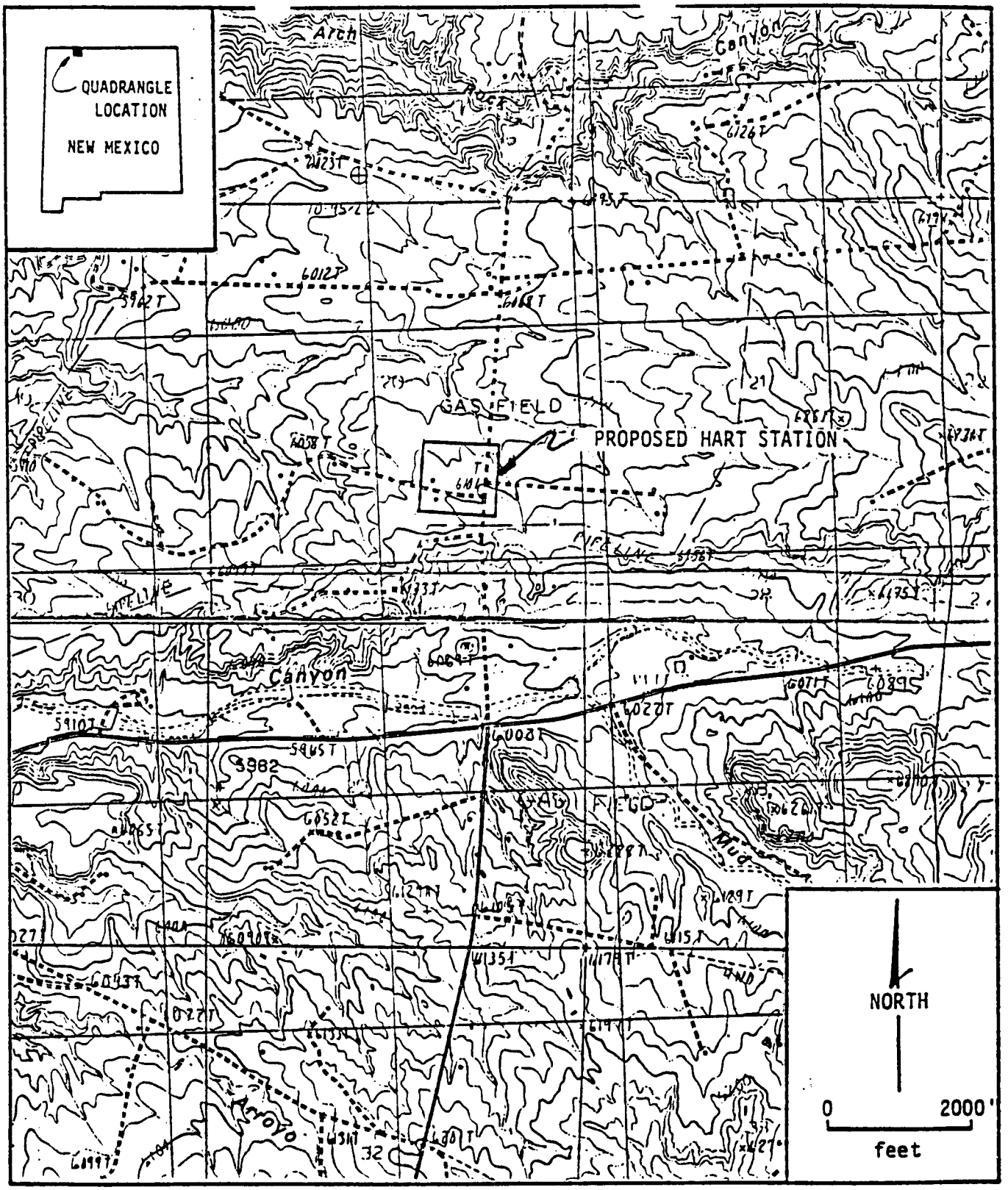


Figure #1

SITE LOCATION MAP OF PROPOSED HART STATION
(Modified from the Aztec, NM and the Cedar Hill, NM/CO USGS quadrangle maps)

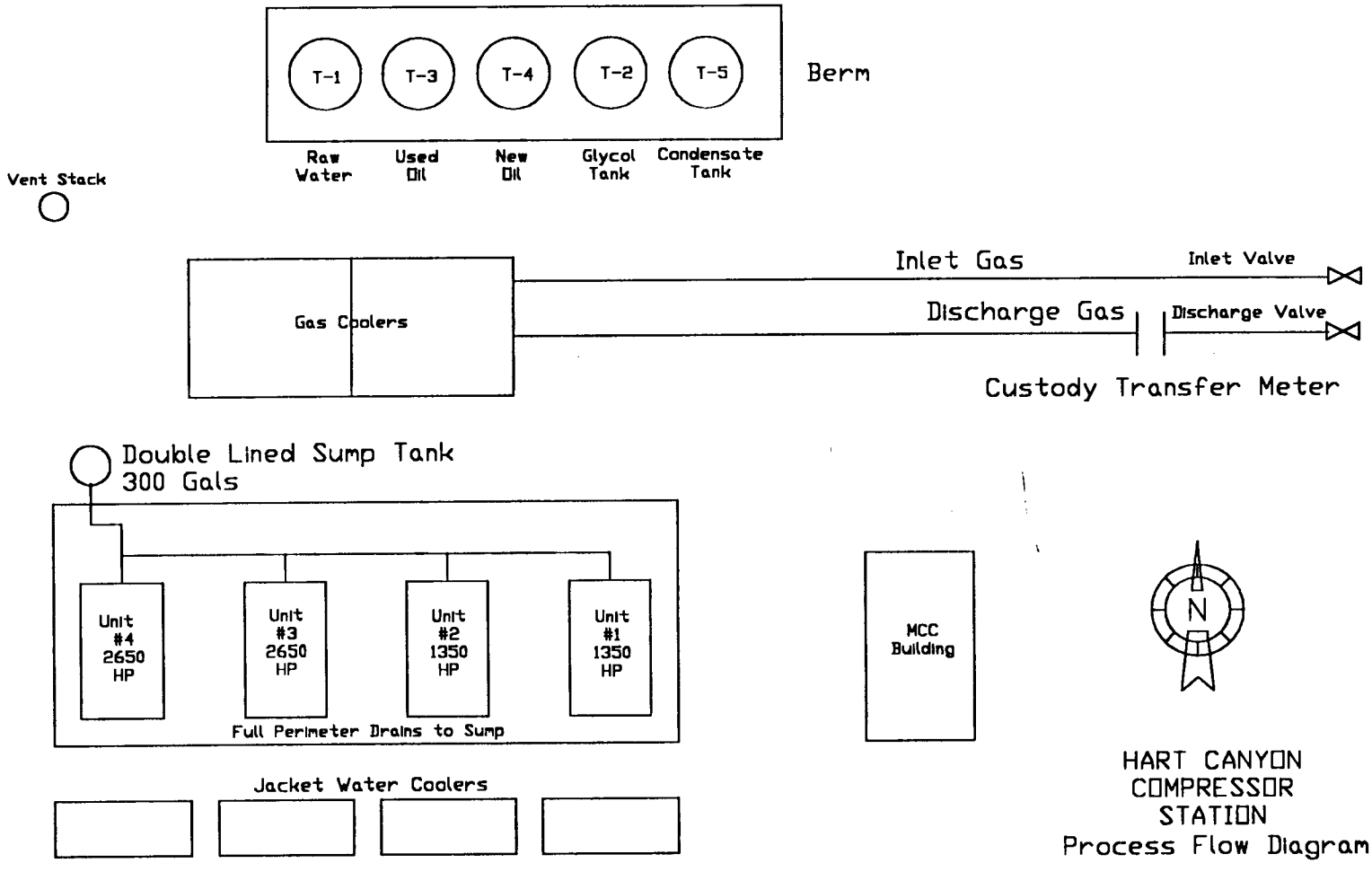

T-1
T-3
T-4
T-2
T-5
Berm
Raw Water
Used Oil
New Oil
Glycol Tank
Condensate Tank
Vent Stack
Gas Coolers
Inlet Gas
Inlet Valve
Discharge Gas
Discharge Valve
Custody Transfer Meter
Double Lined Sump Tank
300 Gals
Unit #4 2650 HP
Unit #3 2650 HP
Unit #2 1350 HP
Unit #1 1350 HP
Full Perimeter Drains to Sump
MCC Building
N
Jacket Water Coolers
HART CANYON
COMPRESSOR
STATION
Process Flow Diagram

Figure #2

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

Jennifer A. Salisbury
CABINET SECRETARY

Oil Conservation Div.
Environmental Bureau
2040 S. Pacheco
Santa Fe, NM 87505

Memorandum of Meeting or Conversation

COPY

Telephone __X__
Personal _____
Time: 11:30am
Date: January 6, 2000

Originating Party: Wayne Price-OCD

Other Parties: Ed Hasely- Burlington Resources- 505-326-9841 320-1803 cell
Fax 505-326-9725

Subject: Discharge Plan Renewal Notice for the following Burlington Facilities:

GW-183 expires 2/21/2000 ARCH ROCK
GW-194 expires 6/9/2000 FRANCES
GW-193 expires 6/9/2000 SANDSTONE
GW-058 expires 10/11/2000 HART CANYON
GW-059 expires 10/11/2000 MANZANARES
GW-056 expires 11/11/2000 GOBERNADOR

WQCC 3106.F. If the holder of an approved discharge plan submits an application for discharge plan renewal at least 120 days before the discharge plan expires, and the discharger is not in violation of the approved discharge plan on the date of its expiration, then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved. A discharge plan continued under this provision remains fully effective and enforceable. An application for discharge plan renewal must include and adequately address all of the information necessary for evaluation of a new discharge plan. Previously submitted materials may be included by reference provided they are current, readily available to the secretary and sufficiently identified to be retrieved. [12-1-95]

Discussion:
Discussed WQCC 3106F and gave Burlington Notice to submit Discharge Plan renewal application with $50.00 filing fee for the above listed facilities.

Conclusions or Agreements:

Signed: Wayne Price

CC: fax to Burlington

BURLINGTON RESOURCES

SAN JUAN DIVISION

May 18, 1999

Certified Mail: Z 186 732 837

New Mexico Energy, Minerals
& Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, NM 87505

Attention: Wayne Price

Re: Compressor Station Sump Integrity Inspections

Dear Mr. Price:

The purpose of this correspondence is to provide your office with written notice that the following compressor stations are to be visually tested during a three-day time frame starting May 25th, 1999:

May 25th	**May 26th**	**May 27th**
Pump Canyon	Hart	Manzanares
Buena Vista	Arch Rock	Gobernador
Sandstone	Rattlesnake	Frances Mesa
Quinn	Cedar Hill	Sims Mesa
Pump Mesa		
Middle Mesa		

As required under OCD Discharge Plan Special Condition # 8:

"All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or **visual** inspection of cleaned out tanks and/or sumps, or other OCD approved methods".

As a result, to comply with this condition the above dates have been scheduled for cleaning out the sumps and visually inspecting each unit. Before the inspection commences, the sumps will be completely emptied and the lids removed to allow access to each unit. To complete the tests within a three-day time frame, the facilities have been logistically organized by area and the test will start each day at 7:30 a.m. at the first facility.

By providing written notice to OCD regarding these tests, it is Burlington Resources intentions to comply with the "72 hours prior to all testing" notification requirement contained in Condition #8. I thank you for your time and consideration and should you have any questions regarding this correspondence please feel free to contact me at 505-326-9537.

Sincerely,

Jeffery T. Schoenbacher
Environmental Representative

CC: Bruce Gantner
Ed Hasely
Ken Johnson
Kevin Johnson
Denny Foust, OCD District Office
Correspondence

JTS:

3535 East 30th St., 87402-8801, P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833

BURLINGTON RESOURCES

SAN JUAN DIVISION

6/1/1999

JUN - 3

New Mexico Energy, Minerals
& Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, NM 87505

Attention: Wayne Price

Re: Compressor Station Sump Integrity Inspections

Dear Mr. Price:

The purpose of this correspondence is to provide your office with the results of the compressor stations visual test that was conducted at the following locations:

Pump Canyon	Hart	Manzanares
Buena Vista	Arch Rock	Gobernador
Sandstone	Rattlesnake	Frances Mesa
Quinn	Cedar Hill	Sims Mesa
Pump Mesa	Middle Mesa	

The purpose of the test was to comply not only with the terms and conditions of the original OCD Discharge Plans, but also to satisfy special condition 8. To complete the visual inspection of the sumps, Scat Hot Wash was employed to pressure wash the interior. After the unit was steam cleaned, the residual liquid was removed to allow all areas of the sump to be examined. During the sump inspection no pitting of the steel was observed and the welds appeared to be adequate for sustaining structural integrity.

I thank you for your time and consideration and should you have any questions regarding this correspondence please feel free to contact me at 505-326-9537.

Sincerely,

Jeffery T. Schoenbacher
Environmental Representative

CC: Bruce Gantner
Ed Hasely
Ken Johnson
Kevin Johnson
Denny Foust, OCD District Office
Correspondence

JTS:

3535 East 30th St., 87402-8801, P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833

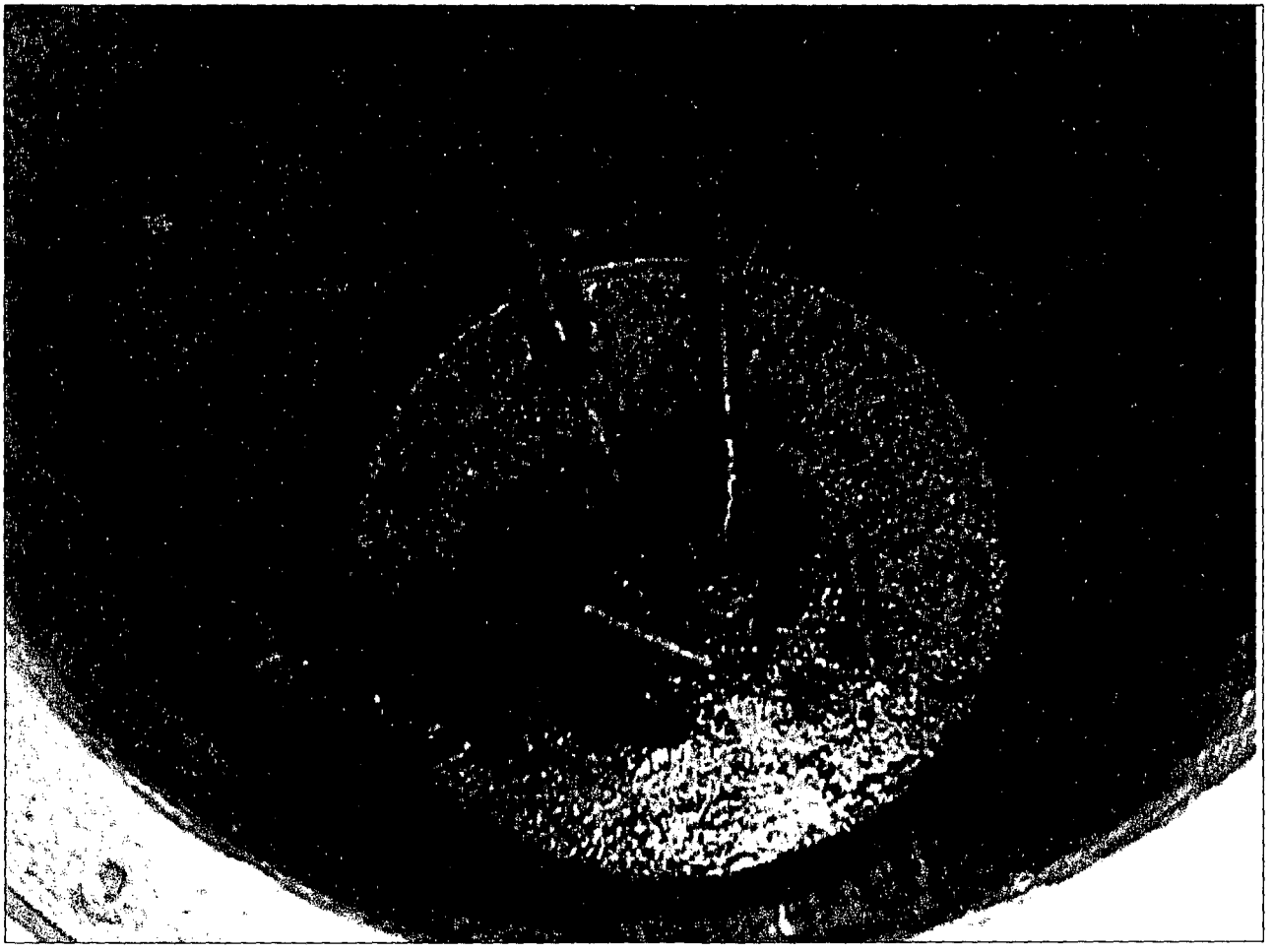
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Arch Rock*
Section:	14
Township	32N
Range:	11W
Date of Inspection:	5/26/99
Plan Expiration Date:	2/21/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments:

pector:

Environmental Representative

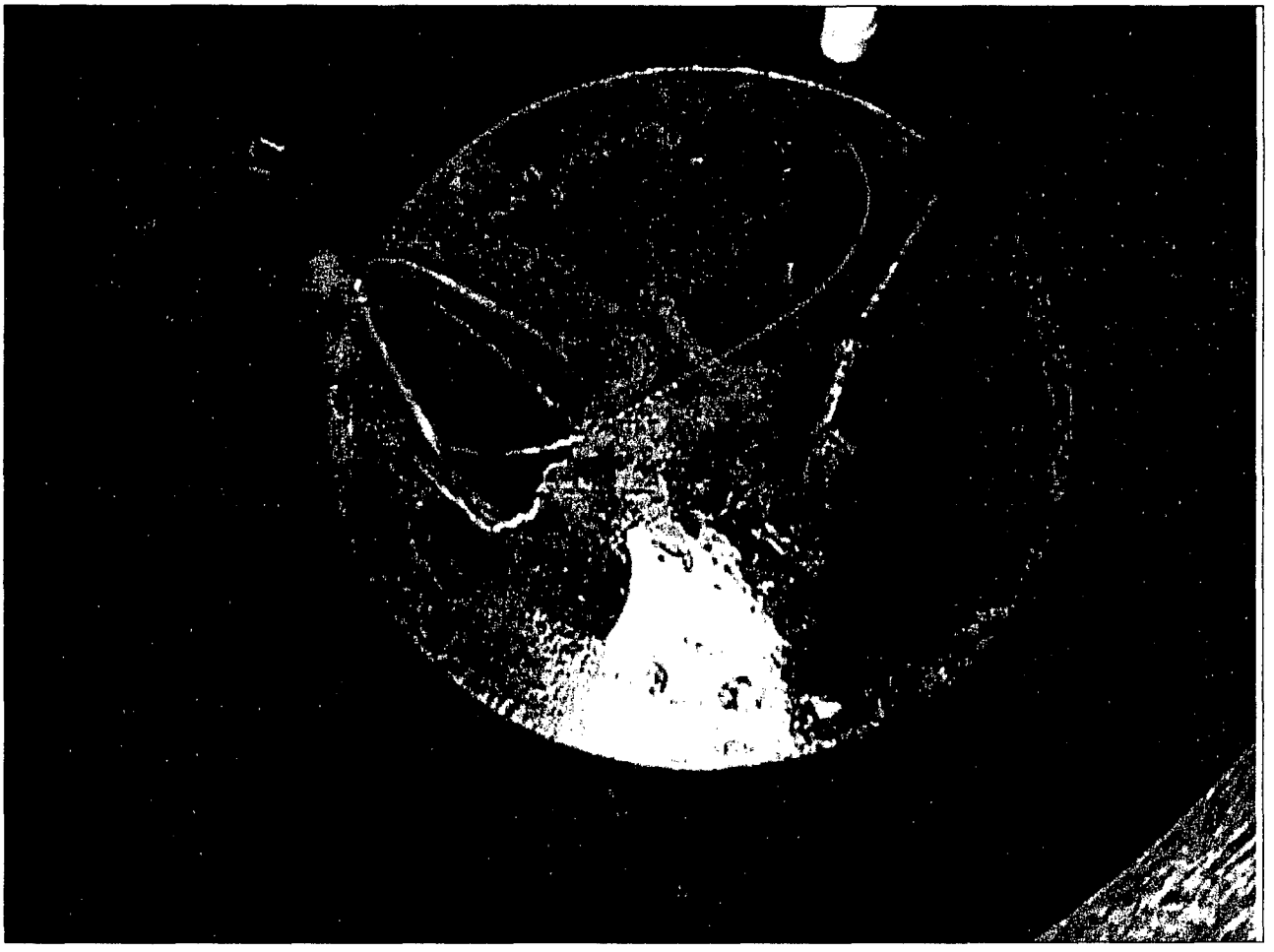
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Buena Vista*
Section:	13
Township	30N
Range:	9W
Date of Inspection:	5/25/99
Plan Expiration Date:	9/5/01
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

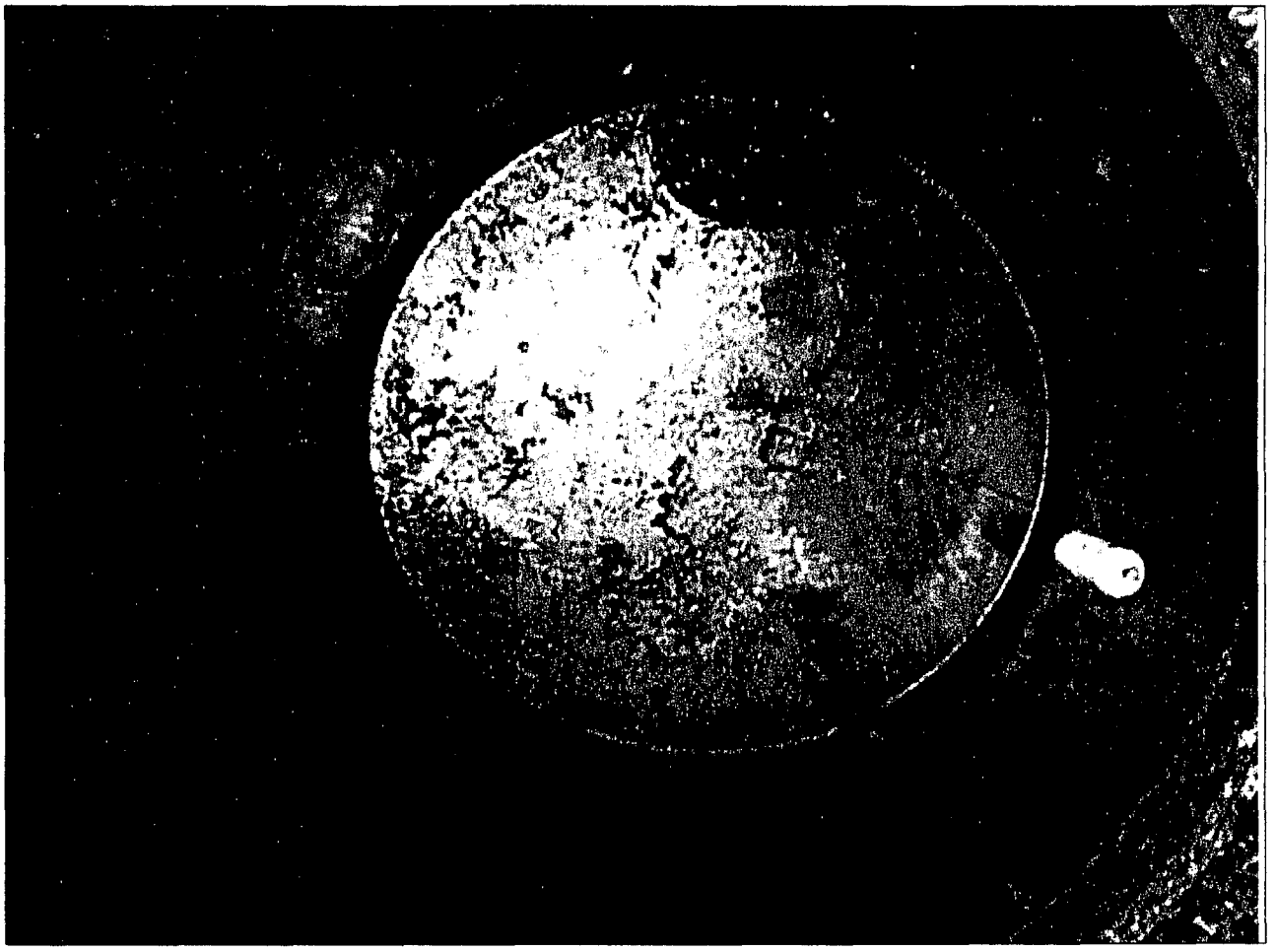
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Cedar Hill*
Section:	29
Township	30N
Range:	10W
Date of Inspection:	5/26/99
Plan Expiration Date:	9/30/01
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector:

Environmental Representative

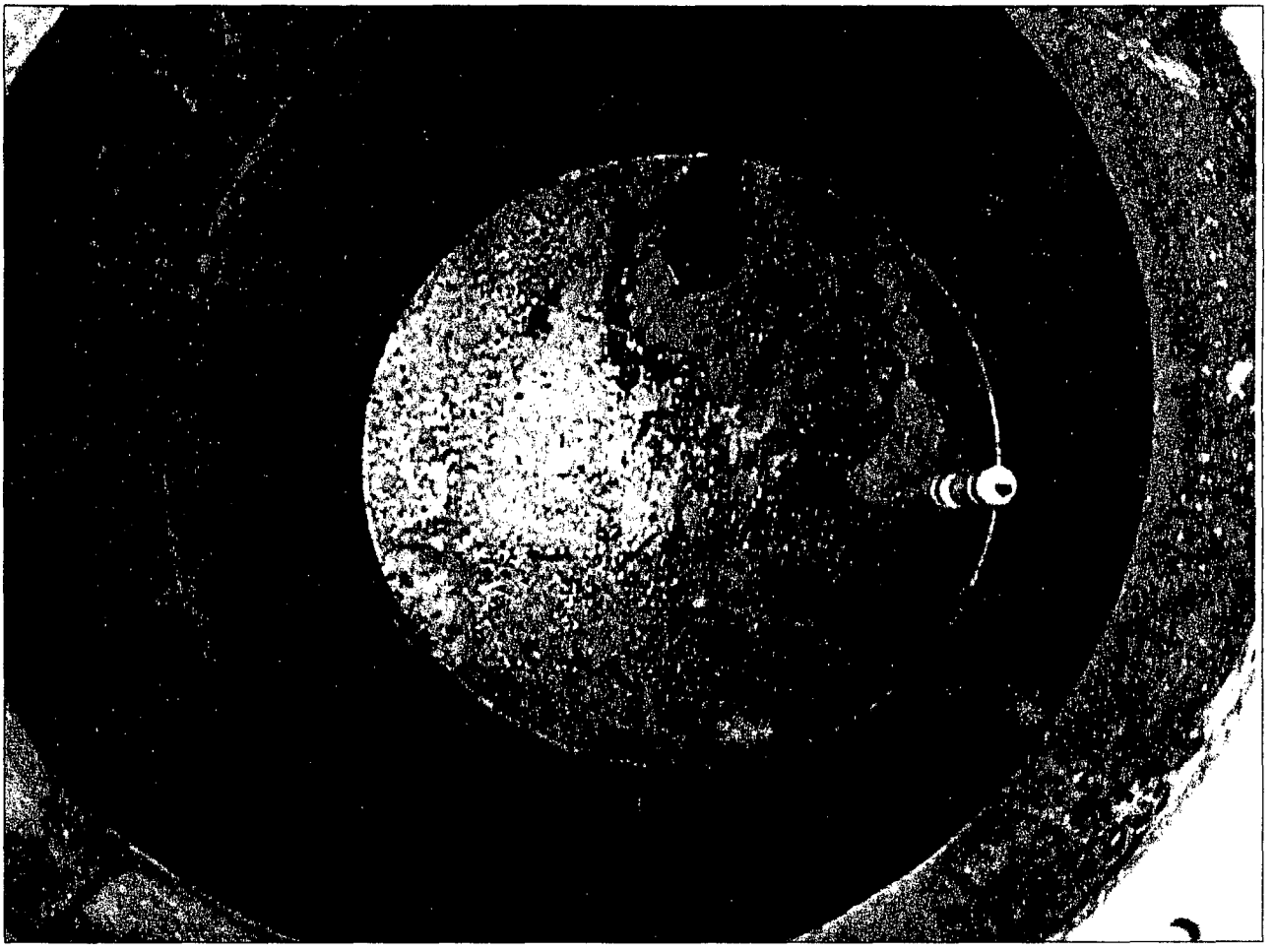
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Frances Mesa*
Section:	27
Township	30N
Range:	7W
Date of Inspection:	5/27/99
Plan Expiration Date:	6/9/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

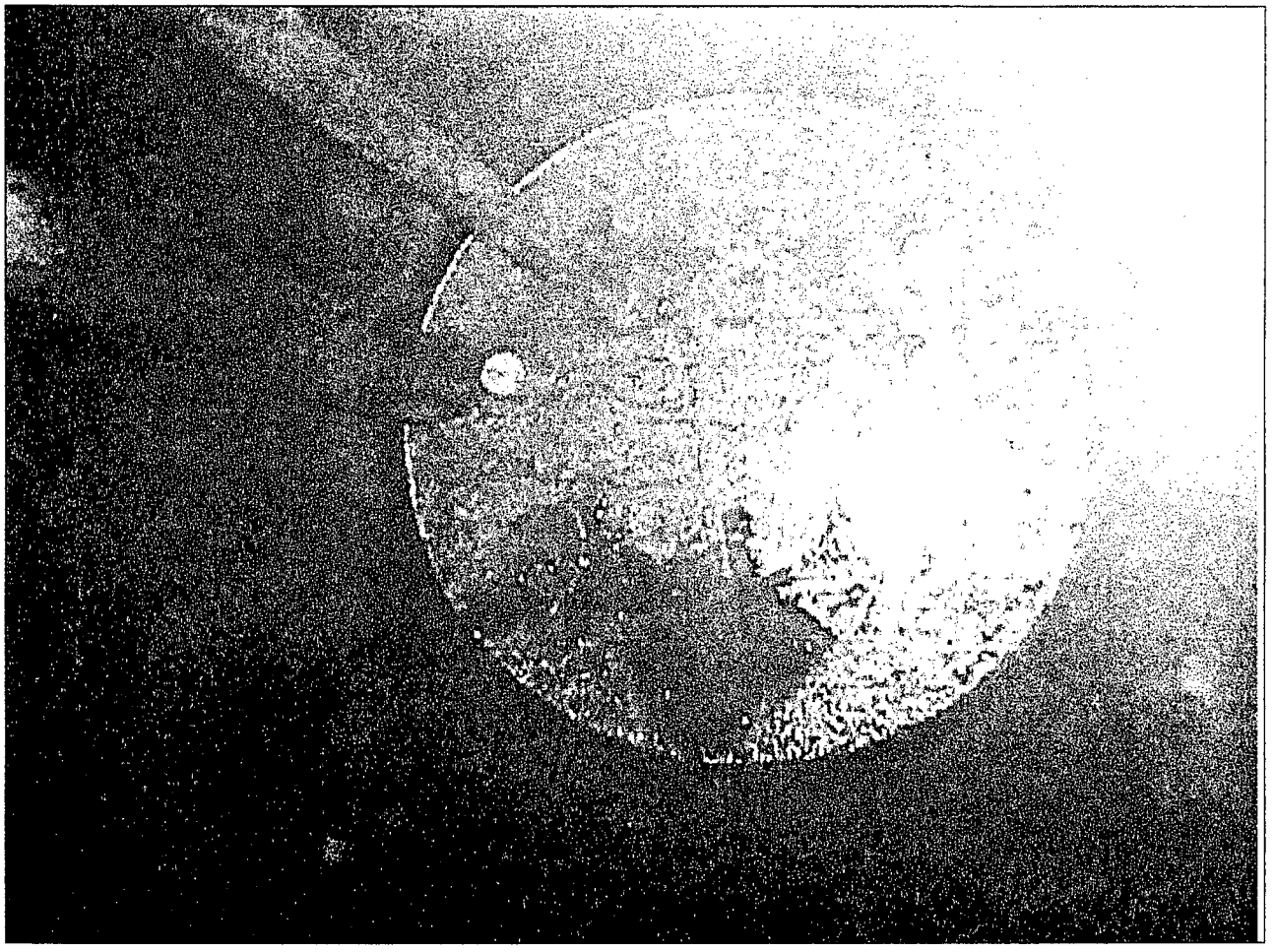
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Gobernador Compressor*
Section:	10
Township	31N
Range:	7W
Date of Inspection:	5/26/99
Plan Expiration Date:	1/11/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

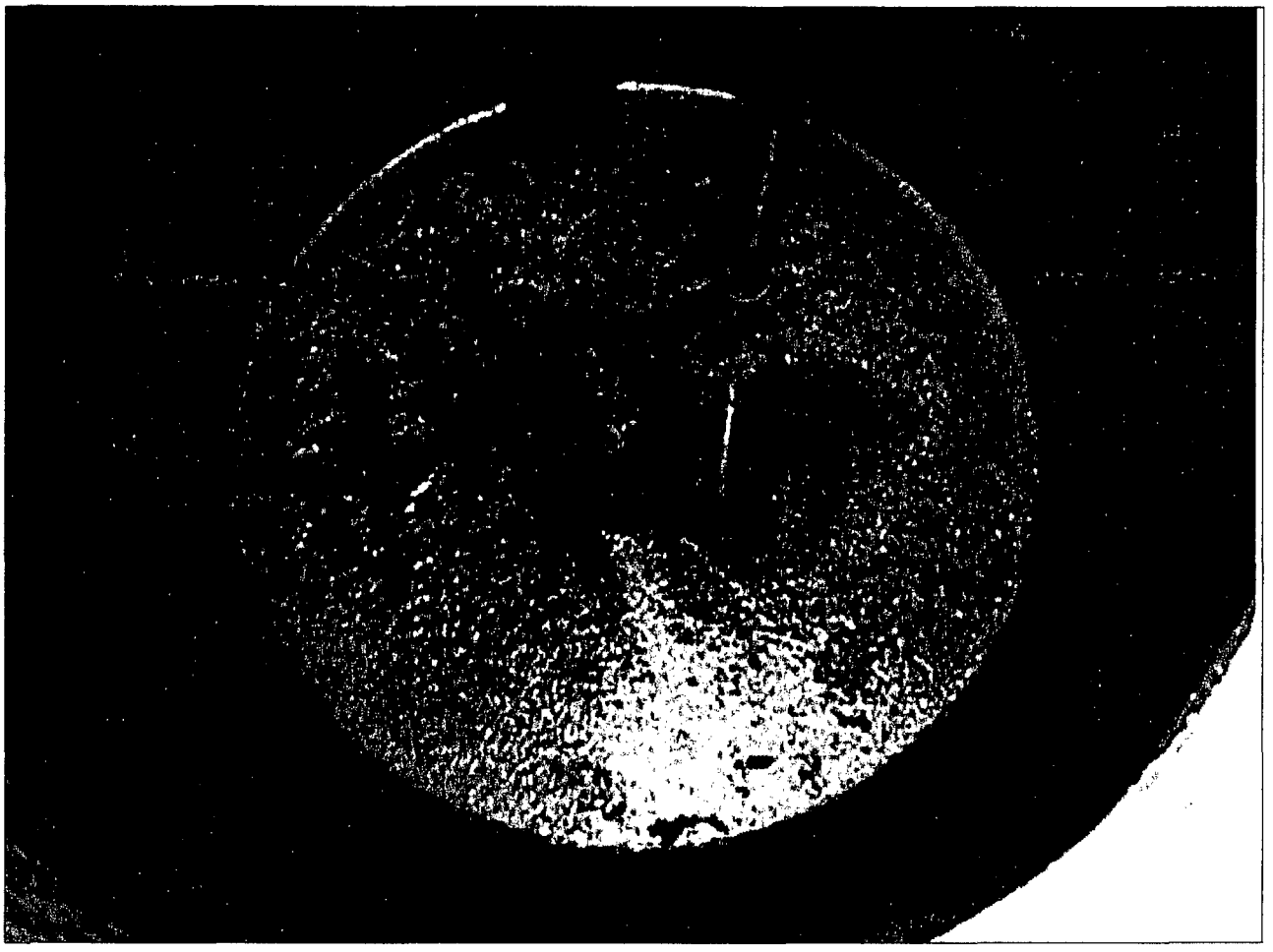
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Hart Canyon*
Section:	20
Township	31N
Range:	10W
Date of Inspection:	5/26/99
Plan Expiration Date:	0/11/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector:

Environmental Representative

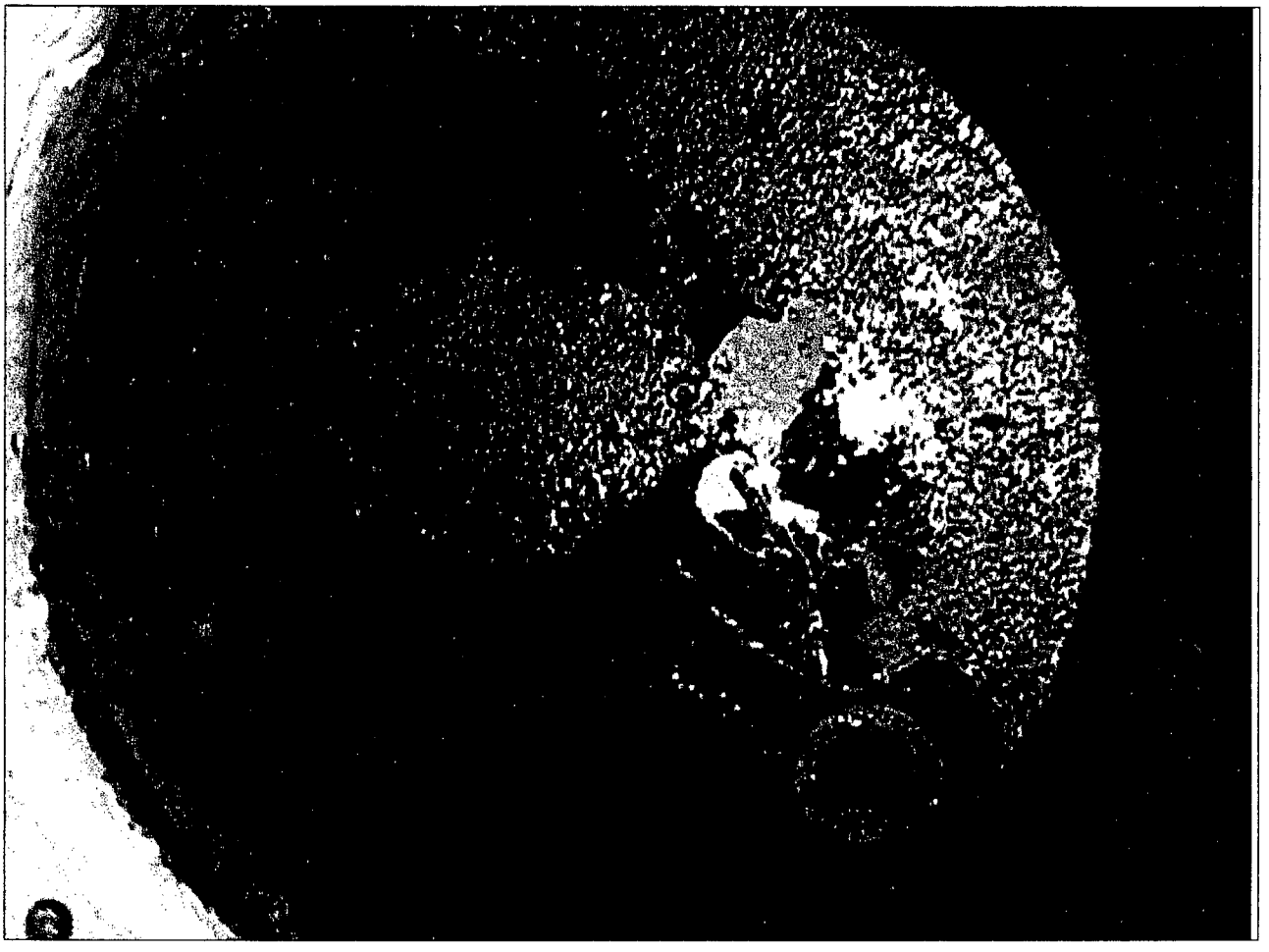
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Manzanares*
Section:	4
Township	29N
Range:	8W
Date of Inspection:	5/27/99
Plan Expiration Date:	0/11/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

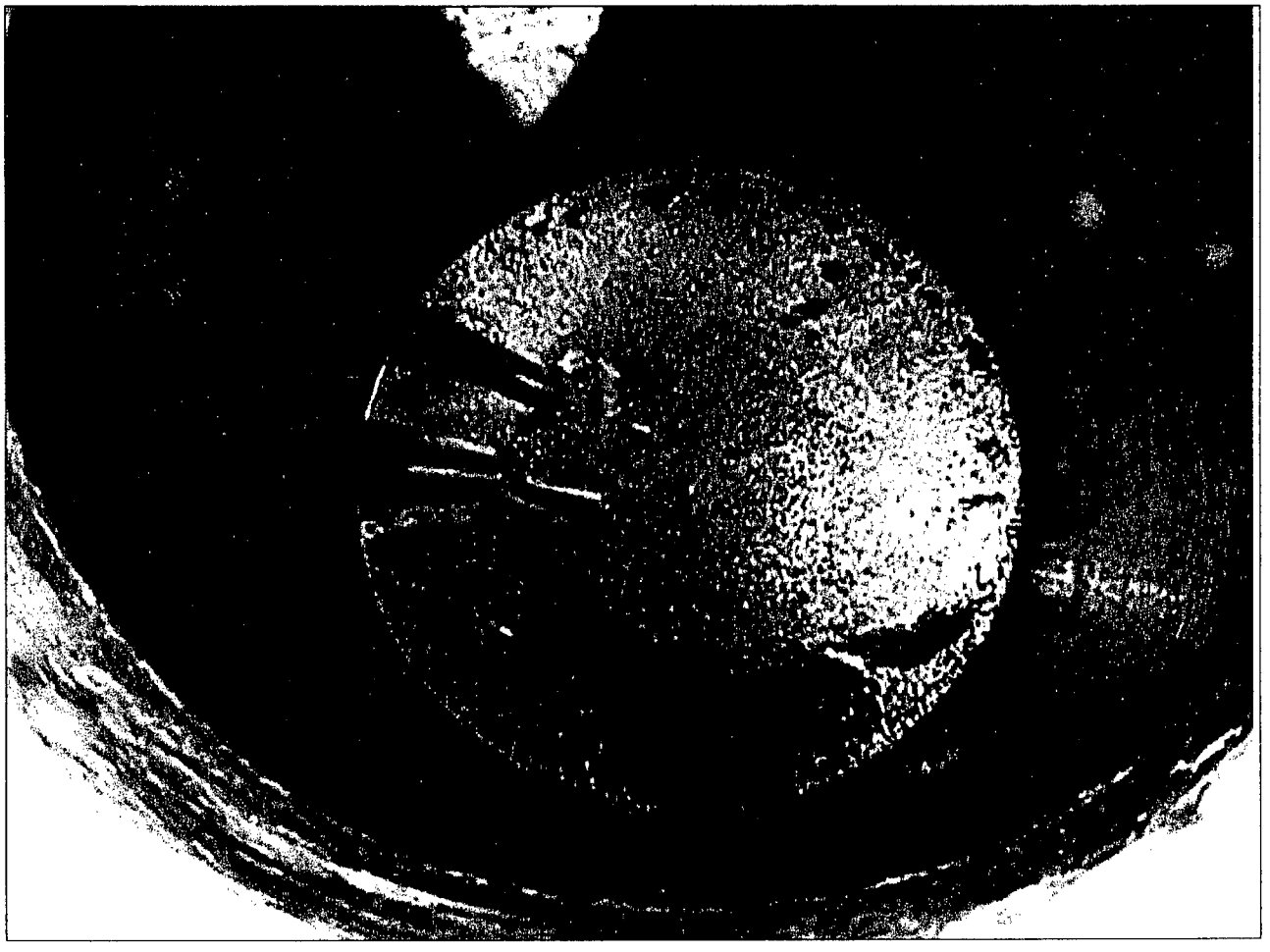
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Middle Mesa Compressor*
Section:	10
Township	31N
Range:	7W
Date of Inspection:	5/26/99
Plan Expiration Date:	1/14/01
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

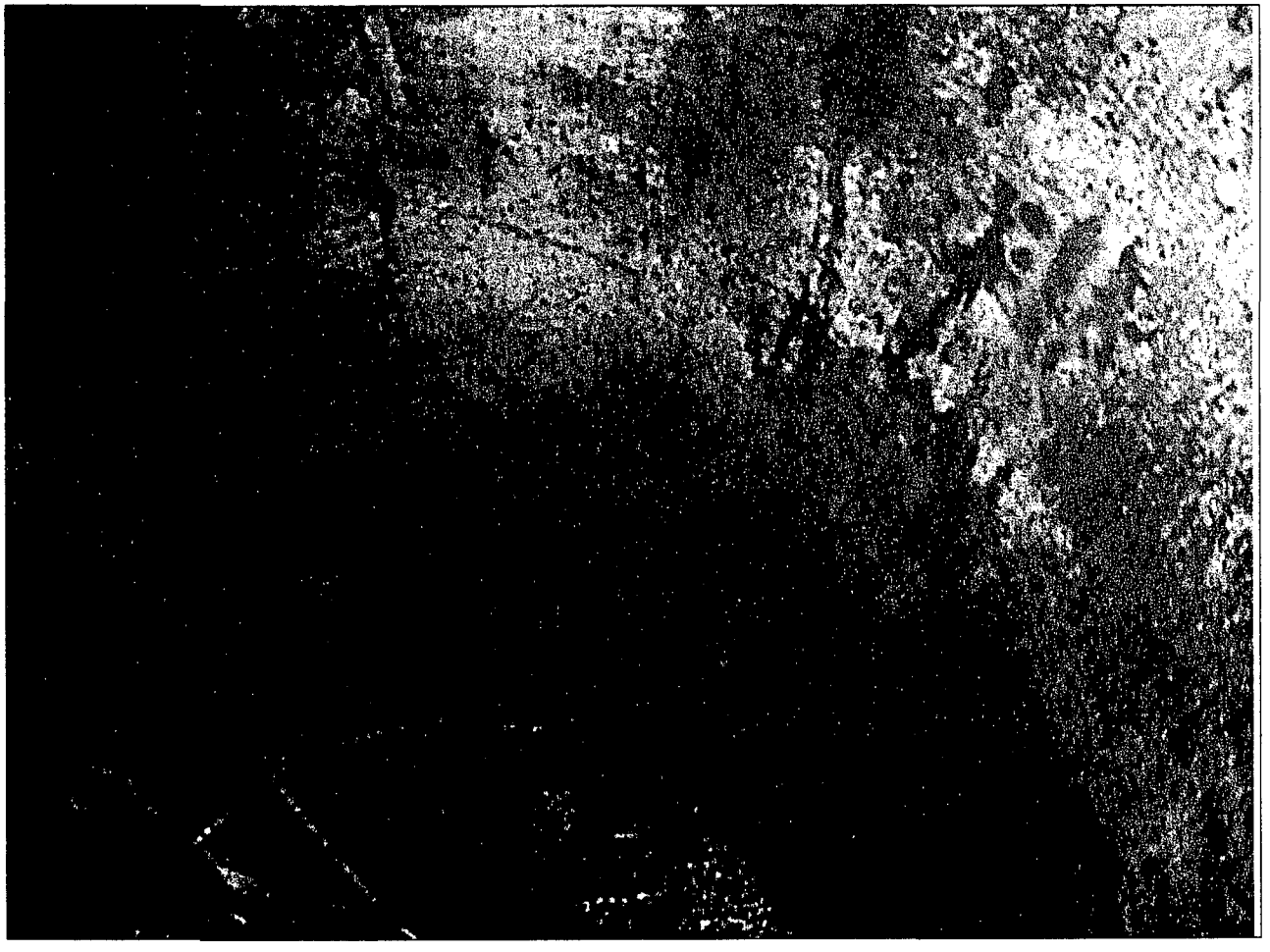
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Pump Canyon*
Section:	24
Township	30N
Range:	9W
Date of Inspection:	5/25/99
Plan Expiration Date:	11/7/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

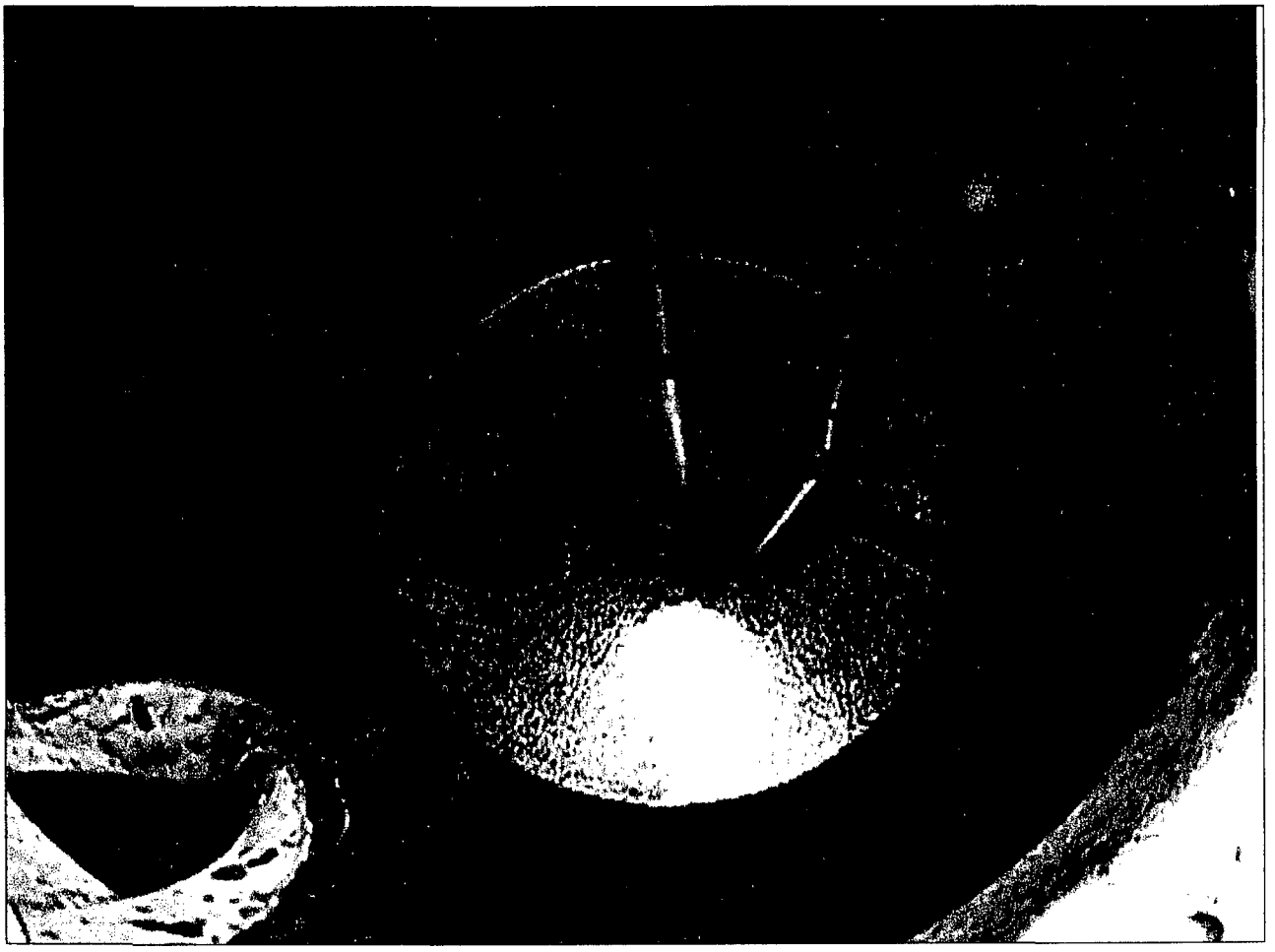
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Pump Mesa*
Section:	27
Township	30N
Range:	7W
Date of Inspection:	5/25/99
Plan Expiration Date:	8/19/03
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections. OCD was not present.*

Inspector: _____
Environmental Representative

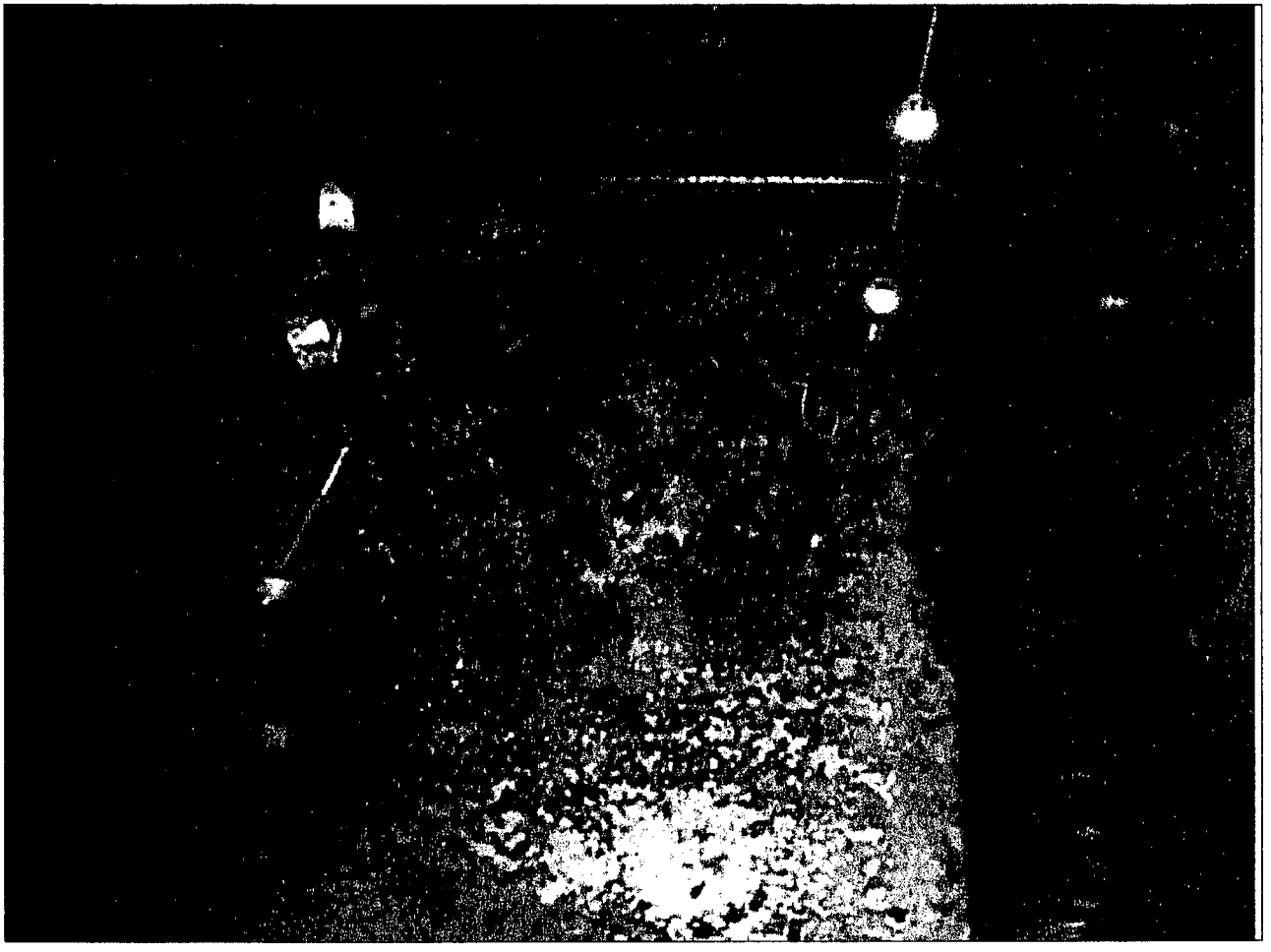
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Quinn*
Section:	16
Township	31N
Range:	8W
Date of Inspection:	5/25/99
Plan Expiration Date:	8/9/01
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector:

Environmental Representative

Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289
Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Rattlesnake*
Section:	10
Township	31N
Range:	7W
Date of Inspection:	5/25/99
Plan Expiration Date:	1/17/02
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:

Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

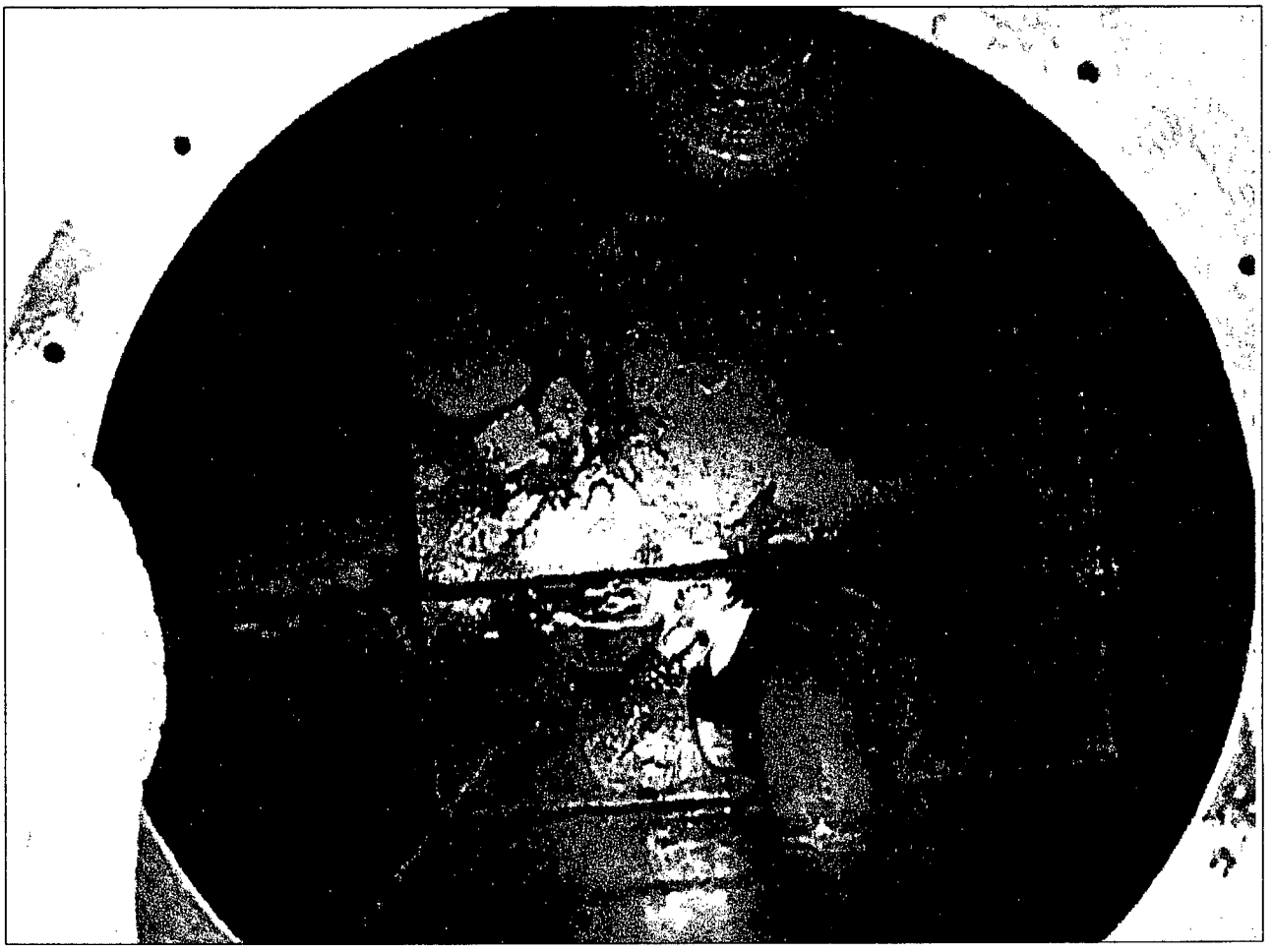
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Sims Mesa*
Section:	22
Township	30N
Range:	7W
Date of Inspection:	5/27/99
Plan Expiration Date:	8/19/03
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

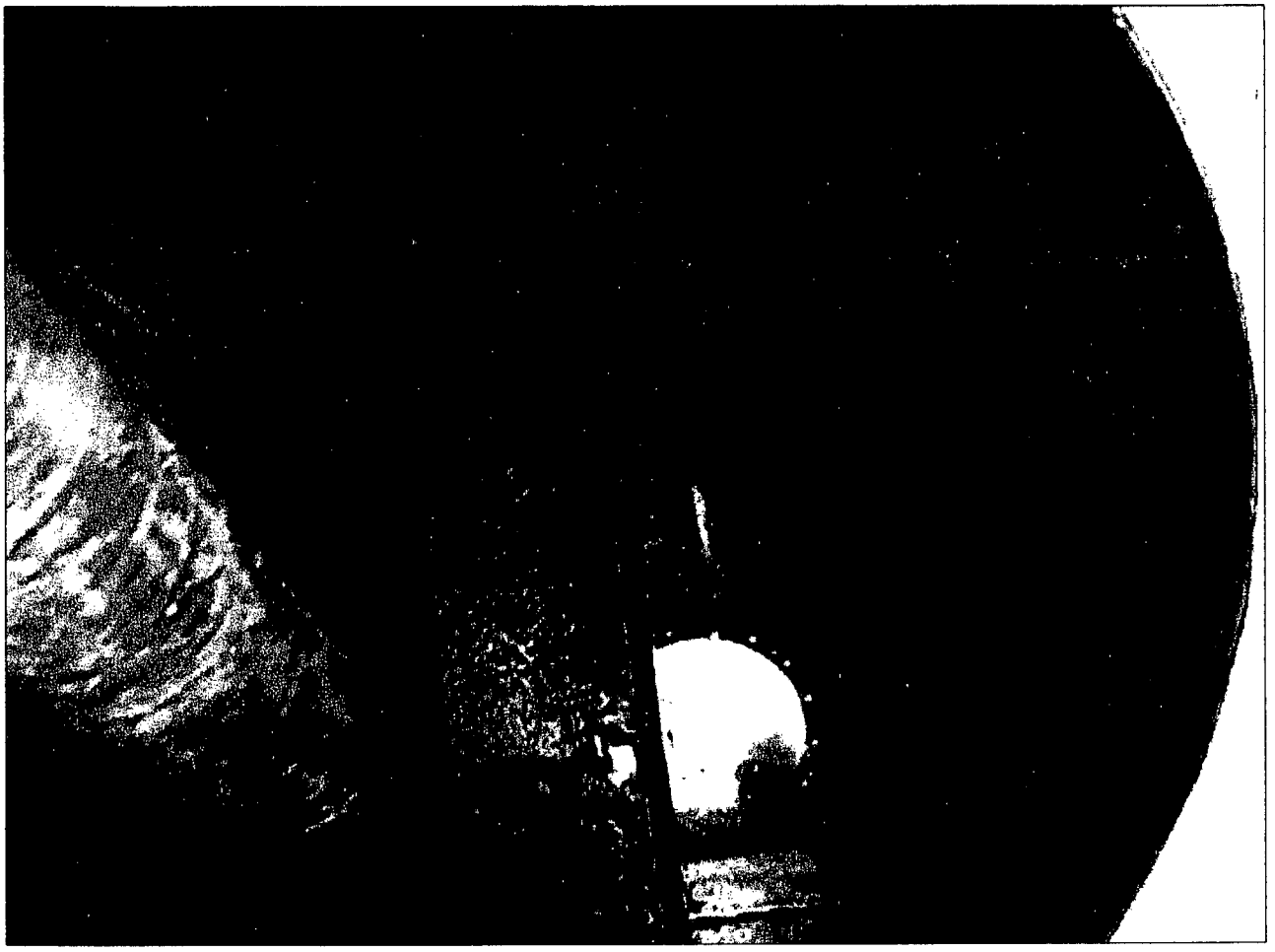
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Sandstone*
Section:	32
Township	31N
Range:	8W
Date of Inspection:	5/25/99
Plan Expiration Date:	6/9/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

BURLINGTON RESOURCES

SAN JUAN DIVISION

August 12, 1996

Certified Mail No. Z-382-118-155

Energy, Minerals and Natural Resources Department
Oil Conservation Division
Attn: Mr. William LeMay
2040 S. Pacheco
Santa Fe, NM 87505

Re: **Name Change Notification**

Dear Mr. LeMay:

This letter is provided to inform you that Meridian Oil Inc. recently had a business name change to Burlington Resources Oil and Gas Company effective July 11, 1996. Please note that UIC permits and discharge plans have not been transferred and no change of ownership has occurred. All UIC permits and discharge plans issued to and currently under review for Meridian Oil Inc. will now be associated with the Burlington Resources Oil and Gas Company name. Attached is a list of UIC permits and discharge plans issued to Meridian Oil Inc. and applications under review.

If you have any questions regarding this notice, please feel free to contact me at (505) 326-9841.

Sincerely,

Keith M. Boedecker

Keith M. Boedecker
Sr. Staff Environmental Representative

cc: OCD - Aztec Office
Keith Baker - BR/File 6.07

3535 East 30th St., 87402-8891, P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833

OCD ISSUED UIC PERMITS and DISCHARGE PLANS

UNDERGROUND INJECTION CONTROL PERMITS

No.	Injection Well	OCD UIC Permit No.
1.	Ute No. 1	Order SWD-176
2.	San Juan 30-6 No. 112Y	Order SWD-305
3.	Cedar Hill SWD No. 1	Order SWD-337
4.	Pump Canyon	Order SWD-344
5.	Middle Mesa No. 1	Order SWD-350
6.	San Juan 30-6 No. 2	Order SWD-351
7.	San Juan 32-9 No. 5	Order SWD-432
8.	McGrath No. 4	OCD R-7370
9.	Jillson Federal No. 1	OCD R-10168

OCD DISCHARGE PLANS

No.	Facility	OCD Discharge Plan No.
1.	Gobernador Compressor Station	GW-56
2.	Pump Canyon Compressor Station	GW-57
3.	Hart Canyon Compressor Station	GW-58
4.	Manzanares Compressor Station	GW-59
5.	Middle Mesa Compressor Station	GW-77
6.	Rattlesnake Compressor Station	GW-93
7.	Sims Mesa Compressor Station	GW-146
8	Pump Mesa Compressor Station	GW-148
9	Val Verde Gas Plant	GW-169
10	Arch Rock Compressor Station	GW-183
11.	Sandstone Compressor Station	GW-193
12.	Frances Mesa Compressor Station	GW-194

OCD DISCHARGE PLANS UNDER REVIEW

No.	Facility	OCD Discharge Plan No.
1.	Buena Vista Compressor Station	Not Assigned
2.	Cedar Hill Compressor Station	Not Assigned
3.	Quinn Compressor Station	GW-239

MERIDIAN OIL
801 CHERRY ST. - SUITE 200 * FORT WORTH, TX 76102-6842

For Questions Please Call
(505) 326-9519

CONTROL NO.	REFERENCE INVOICE	REFERENCE DATE	PAID ON BEHALF OF	DUE VENDOR
420634857	RFC	951218	EPX GROUND WATER DISCHARGE PLAN FEE FOR HART CANYON COMPRESSOR STATION GW058	690.00
			TOTAL	690.00

RECEIVED
JAN 16 1996
Environmental Bureau
Oil Conservation Division

VENDOR NO. 400384 CHECK NO. [redacted]

MERIDIAN OIL

January 8, 1996

Certified - P 895 114 276

Chris E. Eustice
Environmental Geologist
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87502

Re: Ground Water Discharge Plan Permit Fee
Gobernador Compressor Station GW-56
Pump Canyon Compressor Station GW-57
Hart Canyon Compressor Station GW-58
Manzanares Compressor Station GW-59

Dear Mr. Eustice:

Meridian Oil Inc. is providing your department with a the ground water discharge plan fees for the above listed facilities and corresponding permits.

If you have any questions concerning this submittal, please contact me at 326-9537.

Sincerely,

Craig A. Bock
Environmental Representative

Attachment: (4) Discharge Plan Fee Checks

cc: Bruce Voiles - MOI
New Mexico Oil Conservation Division - Aztec Office w/o attachments
File: Hart Canyon Compressor Station\Discharge Plan\Correspondence
File: Gobernador Compressor Station\Discharge Plan\Correspondence
File: Manzanarez Compressor Station\Discharge Plan\Correspondence
File: Pump Canyon Compressor Station\Discharge Plan\Correspondence

s:\craig\projman\formltr\notices\archgwpl.doc

P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833
3535 East 30th St., 87402-8891

MERIDIAN OIL

December 12, 1995

Certified - P 895 114 267

Mr. Mark Ashley
New Mexico Oil Conservation Division
Environmental Bureau
2040 South Pacheco
Santa Fe, N.M. 87505

Re: Ground Water Discharge Plans
Manzanares and Hart Canyon Compressor Stations

Dear Mr. Ashley,

This letter addresses issues raised in your October 13, 1995 correspondence that we discussed in our recent meeting of December 7, 1995. The two issues of concern relate to the ground water discharge plans for Meridian's Manzanares and Hart Canyon Compressor Stations and are addressed below.

Below Grade Sump: Meridian representatives will visually inspect the sump secondary containment on a monthly basis to verify the integrity of the sump leak detection system. This line of sight inspection will be performed by removing the leak detection system intenvals from its port and visually checking for the presence of liquids.

Drip Containment: Meridian will pursue an aggressive maintenance and housekeeping program to ensure liquid leaks or spills are prevented, and adequately contained in the event they do occur. We are also evaluating design changes to address specific operating areas, such as those you identified that were associated with the jacket water coolers and vent lines.

I hope this letter fully addresses these issues and confirms plan approvals discussed at our recent meeting. Meridian appreciates your and the NMOCD's cooperation in this matter.

Please contact me at (505) 326-9523 if you desire any additional information.

Sincerely,

Matthew J. McEneny
Regional Environmental/Safety Manager

cc: B. Voiles
C. Bock
Hart Canyon C.S. - Discharge Plan
Manzanares C.S. - Discharge Plan

P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833
3535 East 30th St., 87402-8891

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan applications have been submitted to the Director of the Oil Conservation Division, 2040 S. Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

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If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information presented at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 7th day of September, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
s/WILLIAM J. LEMAY, Director

Journal: September 18, 1995.

STATE OF NEW MEXICO
County of Bernalillo SS

Bill Tafoya being duly sworn declares and says that he is Classified Advertising manager of **The Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made of assessed as court cost; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for One times, the first publication being of the 18 day of Sept, 1995, and the subsequent consecutive publications on _____, 1995

Bill Tafoya

L SEAL
Duncan
PUBLIC
W MEXICO
8-98

Sworn and subscribed to before me, a notary Public in and for the County of Bernalillo and State of New Mexico, this 19 day of Sept 1995

PRICE 85.92

Statement to come at end of month.

Duncan

CLA-22-A (R-1/93) ACCOUNT NUMBER 30937

Affidavit of Publication

STATE OF NEW MEXICO)

) ss.

COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Notice Of Publication

was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, for one (1) day, beginning with the issue of

September 19, 19 95

and ending with the issue of

September 19, 19 95

And that the cost of publishing said notice is the sum of $ 92.00 OK to pay CE which sum has been (Paid) as Court Costs

Joyce Clemens

Subscribed and sworn to before me this 20th day of September, 19 95

Jean Ferner

Notary Public, Lea County, New Mexico

My Commission Expires Sept. 28, 19 98

LEGAL NOTICE
NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND
NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan applications have been submitted to the Director of the oil Conservation Division, 2040 S. Pacheco, Santa Fe, New Mexico 87505, Telephone (505)827-7131:

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(GW-058) - Meridian Oil Inc.
Environmental/Safety Repres
Farmington, New Mexico 874
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Farmington, New Mexico 874
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address given above. The discha
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Conservation Division shall allow
after the date of publication of
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If no hearing is held, the Director v
the plan based on the information a
is held, the Director will approve
information in the plan and infor
hearing.

GIVEN under the Seal of New M
Commission at Santa Fe, New M
September, 1995.

S
OIL CON
WILL

SEAL
Published in the Lovington Daily
1995.

AFFIDAVIT OF PUBLICATION

No. 35305

STATE OF NEW MEXICO
County of San Juan:

ROBERT LOVETT being duly sworn says: That he is the Classified Manager of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s):

Tuesday, September 19, 1995.

and the cost of publication was: $111.87

On 9/19/95 ROBERT LOVETT appeared before me, whom I know personally to be the person who signed the above document.

My Commission Expires March 21, 1998

COPY OF PUBLICATION

Legals

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Re tions, the following discharge plan applications have been submitted to the Director of the Oil servation Division, 2040 S. Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

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OIL CONSERVATION DIVISION

October 13, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-772

Mr. Matt McEneny
Meridian Oil, Inc.
3535 E. 30th
Farmington, NM 87401

Re: Manzanares and Hart Canyon Compressor Station Inspections

Dear Mr. McEneny:

The New Mexico Oil Conservation Division would like to thank you for your cooperation during the September 20, 1995 inspection of the Manzanares and Hart Canyon Compressor Stations. Comments from the inspection conducted are as follows:

1. Below Grade Sump: Since no port exists between the primary and secondary containment, please provide a method for testing and verifying the integrity of the leak detection system for the sump located next to the compressor buildings.

2. Drip containment: Five gallon buckets are located beneath both the jacket water coolers and the suction relief valves on the vent lines to collect drips. Numerous spills were located on the ground around these buckets, and in some cases buckets were not present. Please propose an alternate method for containment of the above mentioned drips.

Submittal of the requested information and commitment in a timely fashion will expedite the final review of the application and approval of the discharge plan.

Thank you for your attention to this matter. If you have any questions, please call me at (505) 827-7155.

Sincerely,

Mark Ashley
Geologist

xc: OCD Aztec Office

NOTICE OF PUBLICATION

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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 7th day of September, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

WILLIAM J. LEMAY, Director

MERIDIAN OIL

August 24, 1995 *Certified - P 895 114 243*

Mr. Mark Ashley
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

RECEIVED
SEP 6 1995
Environmental Bureau
Oil Conservation Division

Re: Discharge Plan Renewal (GW-058) Amendments

Dear Mr. Ashley:

As per the New Mexico Oil Conservation Division's request, Meridian Oil Inc (MOI) is submitting the attached amendments to the Hart Canyon Compressor Station Groundwater Discharge Plan Renewal (GW-058).

Thank you for your time in reviewing this discharge plan. If I can be of further assistance, please contact me at (505) 326-9561.

Sincerely,

Doug Thomas
Senior Environmental/Safety Representative

Attachments

cc: Denny Foust New Mexico Oil Conservation Division 1000 Rio Brazos Aztec, NM 87401
Hart Canyon Compressor Station/Discharge Plan/Correspondence
Greg Kardos - MOI

P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833
3535 East 30th St., 87402-8891

5/9

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87501

RECEIVED
SEP 6 1995
Environmental Bureau
Oil Conservation Division

DISCHARGE PLAN APPLICATION FOR NATURAL GAS PROCESSING PLANTS, OIL REFINERIES AND GAS COMPRESSOR STATIONS

(Refer to OCD Guidelines for assistance in completing the application.)

I. TYPE: Compressor Station (Hart Canyon GW-058

II. OPERATOR: Meridian Oil Inc

ADDRESS: 3535 E 30th Farmington, NM 87401

CONTACT PERSON: Doug Thomas PHONE: 326-9561

III. LOCATION: ___/4 SE 1/4 Section 20 Township 31N Range 10W
Submit large scale topographic map showing exact location.

IV. Attach the name and address of the landowner(s) of the disposal facility site.

V. Attach description of the facility with a diagram indicating location of fences, pits, dikes, and tanks on the facility.

VI. Attach a description of sources, quantities and quality of effluent and waste solids.

VII. Attach a description of current liquid and solid waste transfer and storage procedures.

VIII. Attach a description of current liquid and solid waste disposal procedures.

IX. Attach a routine inspection and maintenance plan to ensure permit compliance.

X. Attach a contingency plan for reporting and clean-up of spills or releases.

XI. Attach geological/hydrological evidence demonstrating that disposal of oil field wastes will not adversely impact fresh water. Depth to and quality of ground water must be included.

XII. Attach such other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

XIII. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Doug Thomas Title: Sr. Enviro/Safety Rep

Signature: Doug Thomas Date: 8/24/95

DISTRIBUTION: Original and one copy to Santa Fe with one copy to appropriate Division District Office.

HART CANYON COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

JUNE 20, 1995

Prepared for:

Meridian Oil, Inc.
Farmington, New Mexico

Prepared by:

Doug L. Thomas

GW-58

TABLE OF CONTENTS

HART CANYON COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

I. TYPE OF OPERATION

The Hart Canyon Compressor Station (Hart Canyon) is a gas compressor station which receives lean gas via an upstream gas gathering system. At this facility the gas is compressed to an intermediate pressure.

II. OPERATOR AND LOCAL REPRESENTATIVE

A. Operator

Name: Meridian Oil, Inc.	Address: P. O. Box 4289
City: Farmington	State: New Mexico
Zip: 87499-4289	Phone: 505-326-9700

B. Local Representative

Name: Doug L. Thomas	Address: P. O. Box 4289
City: Farmington	State: New Mexico
Zip: 87499-4289	Phone: 505-326-9561

III. FACILITY LOCATION

Township: T 31N	Range: R10W	Section: S 20 SW 1/4	County: San Juan

A topographic map of the area is attached as Figure 1, Facility Area Map.

IV. LANDOWNERS

Name: BLM	Address: 1235 La Plata Hwy.
City: Farmington	State: New Mexico
Zip: 87499	Phone: (505) 599 - 8900

V. FACILITY DESCRIPTION

Hart Canyon is constructed on a pad of approximately 10 acres in size. It consists of four gas compression engines (two-2650 hp and two 1350 hp), and the following tanks and sumps:

Container Type	Capacity	Product	Construction Material	Location
Tank	210 barrel	Lube Oil	Steel	Above ground
Tank	210 barrel	Used Oil	Steel	Above ground
Tank	210 barrel	Ethylene glycol (EG)	Steel	Above ground
Tank	210 barrel	Prouduce Water	Steel	Above ground
Tank	210 barrel	Fresh Water	Steel	Above ground
Process Sump	375 gallon	Oil, EG, Water	Steel	Below ground

The attached Figure 2 illustrates the overall facility lay-out and equipment components.

VI. SOURCES, QUANTITIES & QUALITY OF EFFLUENTS

A. Waste Stream Data

Source of Waste	Type of Waste	Volume/Month	Type/Volume of Additives	Collection System/Storage
Compressor Engines	Cooling Water	Intermittent	Ethylene Glycol (EG)	Drums
Compressor Engines	Leaks	Intermittent	EG, Oil, Water	Sump
Compressor Engines	Used Oil	654 gallons	None	Aboveground steel tank
Compressor Engines	Oil Filters	31	None	Container/bin
Inlet Filter Separator	Inlet Filters	43 per year	None	Container/bin
Slug Catcher Inlet Separator	Produced Water	13 barrels	Corrosion Inhibitors	Aboveground steel tank
Trash	Solid Waste	1-2 Containers	None	Container/bin

B. Quality Characteristics

1. Note that there are no process waste stream discharges from Hart Canyon to the ground surface. All waste streams are contained and their disposition is described in section VIII.

2. Chemical analysis has not been performed on any of the waste streams because they are not disposed of on-site as an "effluent." Produced water from the inlet filter separator may contain the BETX hydrocarbon compounds listed in WQCC 1-101.ZZ. Similarly, used oil collected in the sump will contain the WQCC 1-101.ZZ hydrocarbon compounds.

C. Commingled Waste Streams

1. Produced water from the inlet scubbers, filter seperator, and drips and/or leaks (deminimus quanties) from compressors, compressor engines, elevated oil lube tanks may be commingled prior to being hauled for disposal. In addition, wash water (fresh water) may be introduced into the sump during maintenance operations.

VII. TRANSFER & STORAGE OF PROCESS FLUIDS & EFFLUENTS

A. Storage

Information on the waste stream collection and storage containers is summarized in the tables in sections V and VI.

B. Flow Schematics

The individual "treatment" units are shown on Figure 2. Produced water may be generated during the compression of gas with water being diverted to an aboveground tank.

C. Surface and Subsurface Discharge Potential

1. The table in section V provides a listing of all aboveground tanks and below grade sumps. Pressurized pipelines carry the compressed gas through the station to the outlet meter run.

2. Used compressor lube oil and engine crankcase oil is pumped into the 210 barrel used oil tank. Drips and minor leaks (de minimus quantities) from the compressors, compressor engines and elevated lube oil tank may drain into the sump. Fluids collected in the sump are periodically transferred to the 210 bbl above ground storage tank for disposal (see section VIII).

3. The size and construction material of the collection units is described in the table in section V.

D. NMOCD Design Criteria

1. The 210 bbl tanks (produced water tank, used oil tank , EG tank, and lube oil tank) are located in a 101' x 39' x 4' bermed area. Capacity of the bermed areas meets the general engineering practice of one and one third times the capacity of the largest tank. Each of the five tanks are independent and are not connected together by a common manifold.

2. No drums are used or stored on location. To reduce the risk of spilled process fluids from contacting the ground surface, MOI has constructed curbed concrete or containment around process equipment with a higher probability of a spill/leak.

3. The below ground sump complies with OCD specifications. Sump is equipped with double walls and a leak detection system that provides a discrete alarm which can be viewed and monitored through the stations telemetry system 24 hours per day.

4. The installation of the 210 bbl storage tanks has been constructed on a 6" gravel pack, contained in a steel ring. Any leak in the tanks will be identified in the area outside of the steel ring.

E. Underground Pipelines

Mechanical integrity testing of the underground process pipelines is performed prior to start-up and on an "as needed" basis (modification or repairs).

F. Proposed Modifications

The existing site conditions at Hart Canyon provide protection from present or future ground water contamination. No additional modifications are proposed at this time.

VIII. EFFLUENT DISPOSAL

A. On-Site Disposal

The Control Room is equipped with a toilet and sink, and uses a 800 gallon septic tank with a 300 sq. ft. constructed leach field adjacent to the motor control center.

B. Off-Site Disposal

The following table provides information about off-site waste disposal:

Waste Stream	Shipment Method	Shipping Agent	Final Disposition	Receiving Facility
Produced Water	**Truck**	***See Note 1***	**Class II Well**	***See Note 2***
Inlet Separator, Used Oil, TEG and Fuel Gas Filters	**Truck**	***See Note 3***	**Filters are landfilled**	**Waste Management C/R 3100 Aztec, NM** ***See Note 4 for approved profile #***
Engine coolant	**Truck**	**Overland Dehy 5895 US Hwy. 64 Bloomfield, NM**	**Recycled**	**Overland Dehy 5895 US Hwy. 64 Bloomfield, NM**
Used Oil	**Truck**	***See Note 1***	**Recycled**	**Storage 1 Facility Meridian Oil, Inc. 3535 E. 30th Farmington, NM**
Solid Waste ***(Trash/Refuse)***	**Truck**	**Waste Management C/R 3100 Aztec, NM**	**Landfill**	**Waste Management C/R 3100 Aztec, NM**

Note 1: The trucking agent contracted to ship effluents off-site will be one of the following:

Dawn Trucking Co. 318 Hwy. 64 Farmington, New Mexico.	Chief Transport 604 W. Pinon Farmington, New Mexico	Meridian Oil Trucking 6001 Hwy. 64 Bloomfield, NM 87413	Sunco Trucking 708 S. Tucker Ave. Farmington, New Mexico

Note 2: The off-site Disposal Facility will be one of the following:

McGrath SWD #4 Sec. 34, T-30-N, R-12-W San Juan County New Mexico	112 Y SWD Sec. 26, T-30-N, R-6-W Rio Arriba County New Mexico	Basin Disposal Sec. 3, T-29-N, R-11-W 6 County Rd 5046 Bloomfield, New Mexico

Note 3: The shipping agent for this material will be one of the following companies:

Waste Management Road 3100 Aztec, New Mexico	Cooper/Cameron Incorp. 3900 Bloomfield Hwy. Farmington, New Mexico	Overland Dehy 5895 US Hwy. 64 Bloomfield, New Mexico

Note 4: Operator approval for disposal of the shipped wastes to landfill:

Waste Managerment C/R 3100 Aztec, NM	Profile # 025149, 025150, 0215149, 266263

C. Proposed Modifications

The existing site conditions at Hart Canyon provide protection from present or future ground water contamination. No additional modifications are proposed at this time.

IX. INSPECTION, MAINTENANCE AND REPORTING

A. Leak Detection/Site Visits

The below ground sump is equipped with double walls and a leak detection system that provides a discrete alarm which can be viewed through the stations telemetry system.

Daily log sheets are filled out along with routine visual inspection of facility equipment and continuous monitoring of process instrumentation are performed to identify possible leaks.

Should a release of materials occur, MOI will comply in accordance with provisions described in NMOCD Rule and Regulation #116 and WQCC section 1-203.

B. Precipitation/Runoff Control

Storm water run-off does not come in contact with process waste streams. Any precipitation that contacts the process equipment is contained within bermed or containment areas and allowed to evaporate. The facility pad is maintained to prevent surface accumulations.

X. SPILL/LEAK PREVENTION & REPORTING

A. Spill/Leak Potential

Potential sources of spills or leaks at this facility include the following:

1. tank overflow or rupture;
2. overflow or cracking of concrete sumps;
3. rupture of process pipelines.
4. pigging operations

Prevention of accidental releases from these sources is a high priority of Meridian Oil Inc. (MOI). Spill prevention is achieved primarily through proper execution of operating procedures and secondly, by an active equipment inspection and maintenance program. Spill detection is accomplished by routine visual inspection of facility equipment and continuous monitoring of process instrumentation.

To reduce the risk of spilled process fluids from contacting the ground surface, MOI has constructed curbed concrete or containment around process equipment with a higher probability of a spill/leak.

B. Spill/Leak Control

General spill cleanup procedures may involve minor earthwork to prevent migration, and recovery of as much free liquid as possible. Recovered fluids would then be transported off-site for recycling or disposal. Clean up procedures by MOI will follow OCD Guidelines For Remediation of Leaks, Spills and Releases dated August 13, 1993.

C. Spill/Leak Reporting

Should a release of materials occur, MOI will comply in accordance with provisions described in NMOCD Rule and Regulation #116 and WQCC section 1-203.

XI. SITE CHARACTERISTICS

Much of the information used for this section was obtained from New Mexico Bureau of Mines and Mineral Resources publications and a geotechnical report written for MOI by Western Technologoes Inc. in December of 1989. The report was generated to document physical characteristics of soils in the area of Hart Canyon for the purposes of construction. Documentation of the soils involved drilling three boreholes (ranging from 10' to 13.5' in depth), classifying and logging each soil type as it was encountered. The geotechical survey is not included with this discharge plan.

A. Hydrologic Features

1. Hart Canyon Wash is approximately one-half mile to the south southwest edge of the site. The site generally slopes to the southwest.

2. Cathodic well data in the area indicates the depth to ground water to be approximately 130 feet. No ground water was encountered during test borings for the geotechnical survey.

3. Ground water flow direction is likely to be south southwest, based on a review of topographic features at the site. This would be consistent with an existing wash/arroyo which runs along the southwest edge of the site.

B. Geologic Description of Site

1 The soil consist of silty or sandy clay with a low to moderate load bearing capabilities and moderate to high expansive potentials. These soils are underlain by cobbles, gravel and silty sand with moderate load bearing capabilities.

2. The aquifer most likely to be affected by a discharge in this area is the San Jose Formation. Total Dissolved Solids (TDS) of water from this formation is estimated to be greater than 1700 mg/l on an avg.(New Mexico Bureau of Mines and Mineral Resources, 1983).

3. This formation is characterized by interbedded sandstone and mudstones. The thickness of the formation ranges up to nearly 2,700 feet, in the basin between Cuba and Gobernador. (New Mexico Bureau of Mines and Mineral Resources, 1983).

4. Depth to the top of bedrock strata, measured from the top of test bore holes ranged from 10.5' to 18'. (Western Technologies Inc. Geotechnical Report)

C. Flood Protection

Hart Canyon lies approximately 2.5 miles east of the Animas River. This area is not typically subject to flooding therefore special flood protection measures are not needed.

XII. ADDITIONAL INFORMATION

As stated previously, this facility does not intentionally discharge or dispose of any waste on-site. Containment devices are installed and regularly inspected to insure proper operation. As a result, MOI has demonstrated that approval of this plan will not result in concentrations in excess of the standards of Section 3-103 or the presence of any toxic pollutant at any place of withdrawal of water for present or reasonably foreseeable future use.

XIII. AFFIRMATION

"I hereby certify that I am familiar with the information contained in and submitted with this discharge plan, and that such information is true, accurate, and complete to the best of my knowledge and belief."

Name: Matthew J McEneny Title: Regional Environmental and Safety Manager

Signature: [signature] Date: 24 August 1995

Name: James B. Fraser Title: Production Manager

Signature: James B Fraser Date: 8-29-95

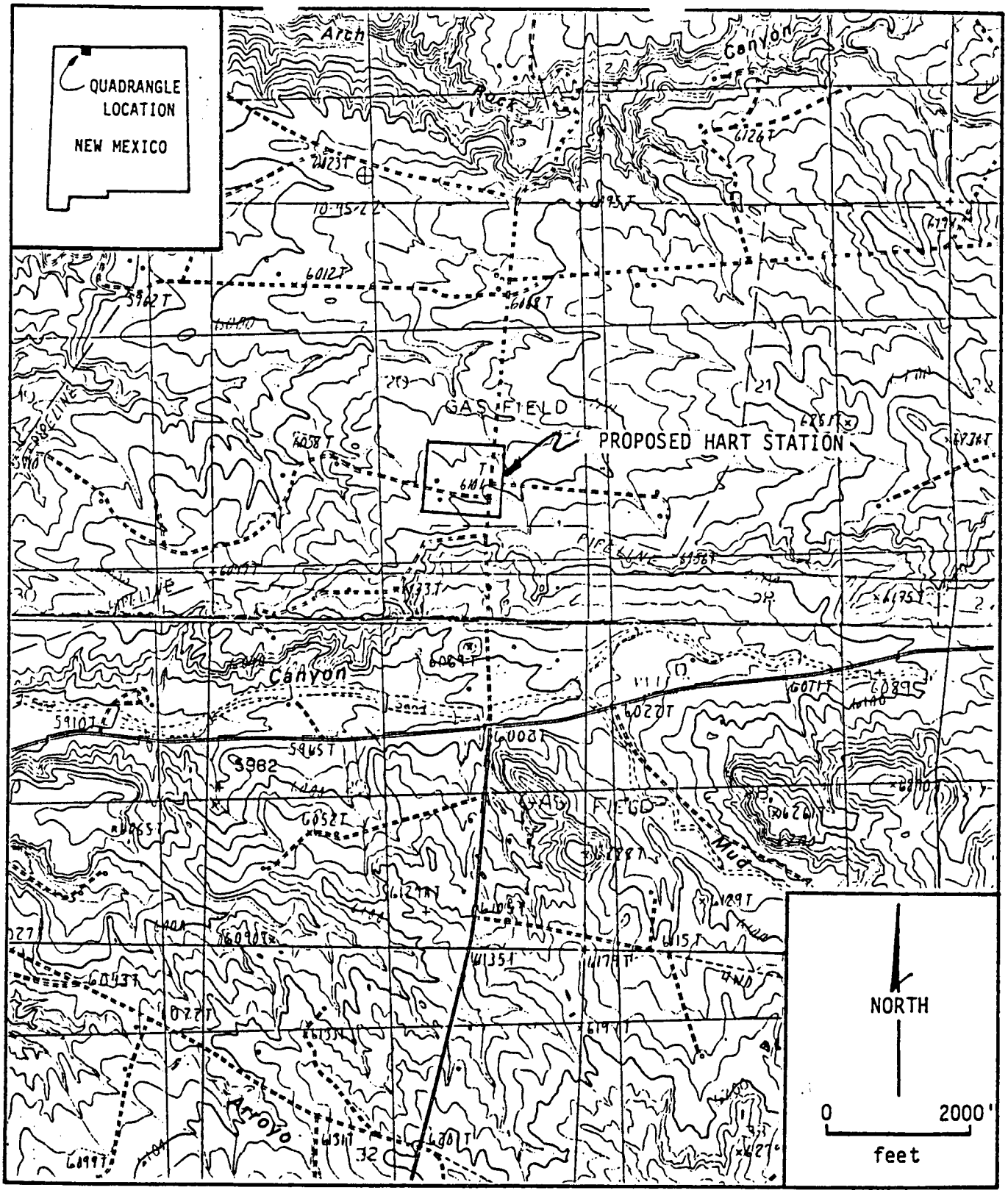

Figure #1

SITE LOCATION MAP OF PROPOSED HART STATION
(Modified from the Aztec, NM and the Cedar Hill, NM/CO USGS quadrangle maps)

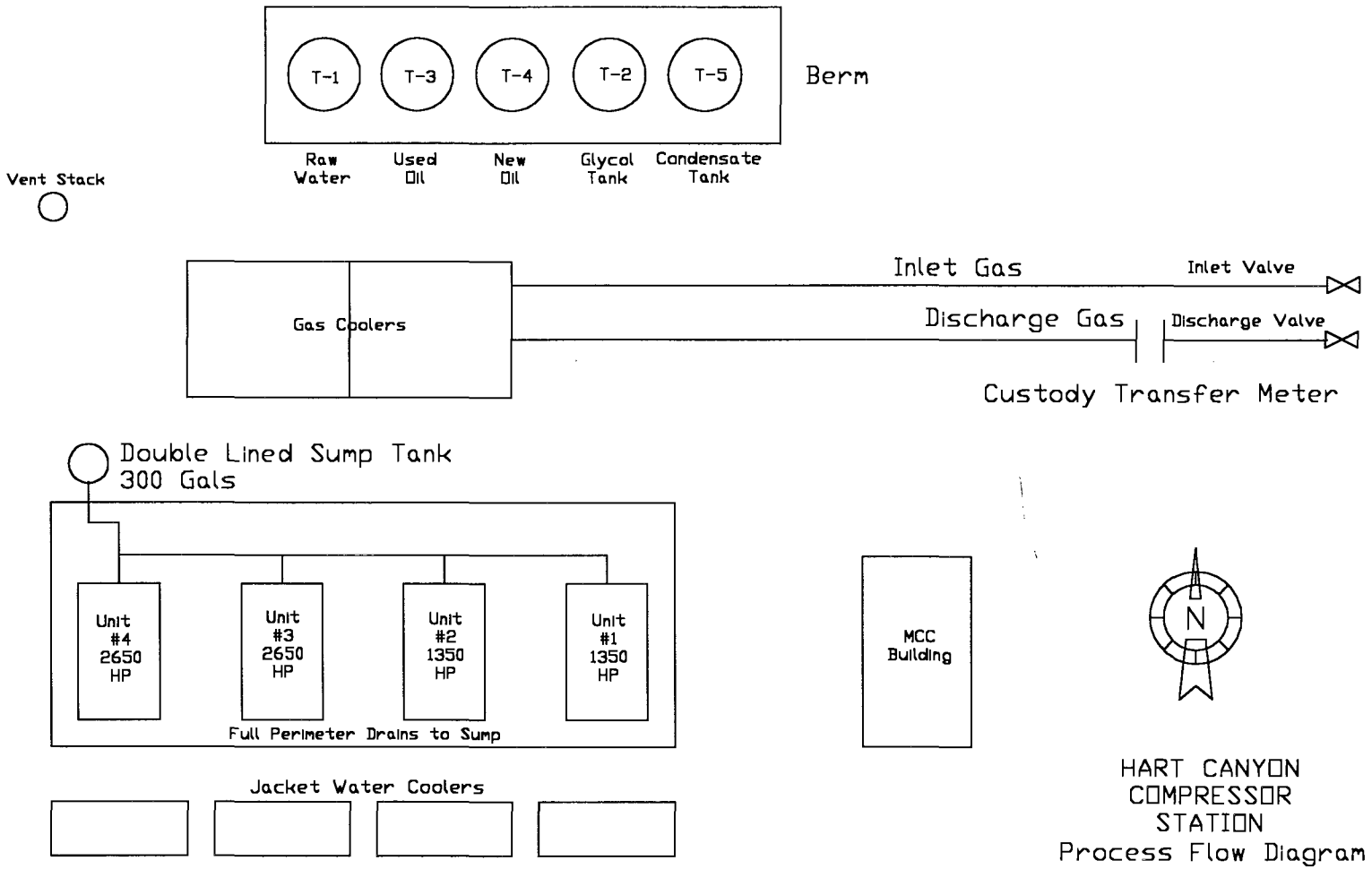
T-1
T-3
T-4
T-2
T-5
Berm
Raw Water
Used Oil
New Oil
Glycol Tank
Condensate Tank
Vent Stack
Gas Coolers
Inlet Gas
Inlet Valve
Discharge Gas
Discharge Valve
Custody Transfer Meter
Double Lined Sump Tank
300 Gals
Unit #4 2650 HP
Unit #3 2650 HP
Unit #2 1350 HP
Unit #1 1350 HP
Full Perimeter Drains to Sump
MCC Building
Jacket Water Coolers
N
HART CANYON
COMPRESSOR
STATION
Process Flow Diagram

Figure #2

OIL CONSERVATION DIVISION

August 22, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-757

Mr. Randy Limbacher
Regional Vice President
Meridian Oil, Inc.
P.O. Box 4289
Farmington, New Mexico 87499-4289

RE: Discharge Plan Renewals
San Juan County, New Mexico

Dear Mr. Limbacher:

On October 11, 1990, the following groundwater discharge plans were approved by the Director of the New Mexico Oil Conservation Division (OCD). The discharge plans were required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and were approved for a period of five years. The approvals will expire on October 11, 1995.

- GW-056, Gobernador Compressor Station located in the NW/4, Section 30, Township 30 North, Range 7 West, NMPM, San Juan County, New Mexico.

- GW-057, Pump Canyon Compressor Station located in Section 24, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico.

- GW-058, Hart Canyon Compressor Station located in the SE/4, Section 20, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico.

- GW-059, Manzanares Compressor Station located in Sections 3 and 4, Township 29 North, Range 8 West, NMPM, San Juan County, New Mexico.

On March 21, 1995 you were notified of the upcoming expirations. In order to continue operations at the facilities, the discharge plans must be renewed prior to expiration.

If your facilities continue to have potential or actual effluent or leachate discharges and you wish to continue operations, you must renew your discharge plans. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several months. Please indicate whether you have made, or intend to make, any changes in your systems, and if so, please include these modifications in your applications for renewal.

Please submit the originals and one copy to the OCD Santa Fe Office and one copy to the OCD Aztec District Office. Note that the completed and signed application forms must be submitted with your discharge plan renewal requests.

Each discharge plan renewal application is subject to the WQCC Regulations 3-114 discharge plan fees. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of fifty (50) dollars plus one-half of the flat fee for compressor stations based on the combined horsepower at the facility.

The (50) dollar filing fee is to be submitted with each discharge plan renewal application and is nonrefundable. The flat fee for each approved discharge plan renewal may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

If you no longer have any actual or potential discharges a discharge plan is not need, please notify this office. If you have any questions regarding this matter, please do not hesitate to contact Mark Ashley at (505) 827-7155 or Chris Eustice at (505) 827-7153.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec Office

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

March 21, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-802

Mr. C. R. Owen
Region Operations Manager
Meridian Oil, Inc.
P.O. Box 4289
Farmington, New Mexico 87499-4289

RE: Discharge Plan GW-058 Renewal
Hart Canyon Compressor Station
San Juan County, New Mexico

Dear Mr. Owen:

On October 11, 1990, the groundwater discharge plan, GW-058, for the Hart Canyon Compressor Station located in the SE/4, Section 20, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years. The approval will expire on October 11, 1995.

If your facility continues to have potential or actual effluent or leachate discharges and you wish to continue operation, you must renew your discharge plan. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several months. Please indicate whether you have made, or intend to make, any changes in your system, and if so, please include these modifications in your application for renewal.

To assist you in preparation of your application, I have enclosed an application form and a copy of the OCD's Guidelines for the Preparation of Ground Water Discharge Plans at Natural Gas Plants and a copy of the WQCC regulations. Please submit the original and one copy to the OCD Santa Fe Office and one copy to the OCD Aztec District Office. Note that the completed and signed application form must be submitted with your discharge plan renewal request.

The discharge plan renewal application for the Hart Canyon Compressor Station is subject to the WQCC Regulations 3-114 discharge plan fee. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of fifty (50) dollars plus one-half of the flat fee for compressor stations based on the combined horsepower at the facility.

The (50) dollar filing fee is to be submitted with discharge plan renewal application and is nonrefundable. The flat fee for an approved discharge plan renewal may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

If you no longer have any actual or potential discharges a discharge plan is not need, please notify this office. If you have any questions regarding this matter, please do not hesitate to contact Mark Ashley at (505) 827-7155.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec Office

Z 765 962 802

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PS Form 3800, March 1993

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

October 11, 1990

CERTIFIED MAIL
RETURN RECEIPT NO. P-918-402-440

Mr. C. R. Owen
Regional Operations Manager
Meridian Oil, Inc.
P. O. Box 4289
Farmington, New Mexico 87499-4289

RE: Discharge Plan GW-58
Hart Canyon Compressor Station
San Juan County, New Mexico

Dear Mr. Owen:

The ground water discharge plan (GW-58) for the Meridian Oil, Inc. Hart Canyon Compressor Station located in the SE/4, Section 20, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico is hereby approved.

The approved discharge plan consists of the plan dated July 19, 1990 and the materials dated September 13, 1990, submitted as supplements to the discharge plan.

The discharge plan was submitted pursuant to Section 3-106 of the New Mexico Water Quality Control Commission Regulations. It is approved pursuant to Section 3-104.A; please note Section 3-109.F., which provides for possible future amendment of the plan. Please be advised that the approval of this plan does not relieve you of liability should your operation result in actual pollution of surface or ground waters or the environment which may be actionable under other laws and/or regulations.
There will be no routine monitoring or reporting requirements other than those specified in the discharge plan.

Please note that Section 3-104 of the regulations requires that "When a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3-107.C. you are required to notify the director of the facility expansion production increase, or process modification that would result in any significant modification in the discharge of water contaminants.

Pursuant to Subsection 3-109.G.4., this plan approval is for a period of five years. This approval will expire October 11, 1990, and you should submit an application for new approval in ample time before that date.

On behalf of the Oil Conservation Division, I wish to thank you and your staff and/or consultants for your cooperation during this discharge plan review.

Sincerely,

William J. LeMay
Director

WJL/RCA/sl

cc: OCD Aztec Office

MERIDIAN OIL

September 13, 1990

New Mexico Oil Conservation Division
ATTN: Mr. Roger C. Anderson
State Land Office Building
P.O. Box 2088 Rm #206
Santa Fe, New Mexico 87504

RE: Discharge Plans GW-56, GW-57, GW-58, GW-59

Dear Mr. Anderson:

The following information is being provided in response to your request concerning the Discharge Plans for the Gobernador, Hart Canyon, Manzanares, and Pump Canyon Compressor Stations.

1. The wash down water is trucked off location for off-site disposal along with the used lube oil. These two effluents are not separated at the compressor station facility. Mesa Oil, Inc., 4701 Broadway Blvd. SE, Albuquerque, NM provides final disposition of the wash down water, along with the used lube oil.

2. Water for these facilities is purchased from the City of Farmington and is trucked into location.

3. 7.5 Quadrangle maps are enclosed showing the location of each compressor station. These maps indicate the proximity of these stations to bodies of water and water courses within a one mile perimeter of each station.

Also requested was the Ground Water Depth and Total Dissolved Solids (TDS) at the location of each compressor station. This information is based on well log and well permit information from the New Mexico State Engineers Office. From this information, the calculated TDS concentrations and approximate depths to groundwater for the compressor stations are as follows:

STATION	DEPTH TO WATER (ft.)	TDS (mg/l)
Gobernador	262	1644-2442
Hart Canyon	204	429-585
Pump Canyon	82	3157-4305
Manzanares	473	1188-1620

If any additional information is required, please contact Larry Dillon at (505)326-9714.

Sincerely,

C.R. Owen
Operations Manager

LWD/dj

Meridian Oil Inc., 3535 East 30th St., P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700

AFFIDAVIT OF PUBLICATION

No. 26420

STATE OF NEW MEXICO,
County of San Juan:

BETTY SHIPP being duly sworn, says: "That she is the NATIONAL AD MANAGER of The Farmington Daily Times, a daily newspaper of general circulation published in English in Farmington, said county and state, and that the hereto attached LEGAL NOTICE

was published in a regular and entire issue of the said Farmington Daily Times, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for ONE consecutive (days) (/////) on the same day as follows:

First Publication FRIDAY, SEPTEMBER 7, 1990

Second Publication

Third Publication

Fourth Publication

and that payment therefore in the amount of $ 61.10 has been made.

Betty Shipp

Subscribed and sworn to before me this 7TH day of SEPTEMBER 1990

COPY OF PUBLICATI

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND
NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan renewal application has been submitted to the Director of the Oil Conservation Division, State Land Office Building, P. O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-56) - Meridian Oil Gathering, Inc., C. R. Owen, Regional Operations Manger, P. O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge application for its Gobernador Compressor Station located in the NW/4 NW/4 Section 31, Township 30 North, Range 7 West, NMPM, Rio Arriba County, New Mexico. Approximately 225 gallons per day of wastewater is disposed of at an OCD approved offsite disposal facility. Ground water most likely to be affected by any discharge to the surface is at a depth of approximately 262 feet with a total dissolved solids concentration from 1650 to 2250 mg/l. The discharge plan addresses how spills, leaks and other discharges to the ground will be managed.

(GW-57) - Meridian Oil Gathering, Inc., C. R. Owen, Regional Operations Manager, P. O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge application for its Pump Canyon Compressor Station located in Section 24, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico. Approximately 225 gallons per day of wastewater is disposed of at an OCD approved offsite disposal facility. Ground water most likely to be affected by any discharge to the surface is at a depth of approximately 82 feet with a total dissolved solids concentration from 3157 to 4300 mg/l. The discharge plan addresses how spills, leaks and other discharges to the ground will be managed.

(GW-58) - Meridian Oil Gathering, Inc., C. R. Owen, Regional Operations Manager, P. O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge application for its Hart Canyon Compressor Station located in the SE/4, Section 20, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 225 gallons per day of wastewater is disposed of at an OCD approved offsite disposal facility. Ground water most likely to be affected by any discharge to the surface is at a depth of approximately 204 feet with a total dissolved solids concentration from 429 to 585 mg/l. The discharge plan addresses how spills, leaks and other discharges to the ground will be man-

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
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(GW-56) - Meridian Oil Gathering Inc., C.R. Owen, Regional Operations Manager, P.O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge application for its Gobernador Compressor Station located in the NW/4 NW/4, Section 31, Township 30 North, Range 2 West, NMPM, Rio Arriba County, New Mexico. Approximately 225 gallons per day of wastewater is disposed of at an OCD approved offsite disposal facility. Ground water most likely to be affected by any discharge to the surface is at a depth of approximately 282 feet with a total dissolved solids concentration from 1650 to 2250 mg/l. The discharge plan addresses how spills, leaks and other discharges to the ground will be managed.

(GW-57) - Meridian Oil Gathering, Inc., C.R. Owen, Regional Operations Manager, P.O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge application for its Pump Canyon Compressor Station located in Section 24, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico. Approximately 225 gallons per day of wastewater is disposed of at an OCD approved offsite disposal facility. Ground water most likely to be affected by any discharge to the surface is at a depth of approximately 82 feet with a total dissolved solids concentration from 3157 to 4300 mg/l. The discharge plan addresses how spills, leaks and other discharges to the ground will be managed.

(GW-58) - Meridian Oil Gathering, Inc., C.R. Owen, Regional Operations Manager, P.O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge application for its Hart Canyon Compressor Station located in the SE/4, Section 20, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 225 gallons per day of wastewater is disposed of at an OCD approved offsite disposal facility. Ground water most likely to be affected by any discharge to the surface is at a depth of approximately 204 feet with a total dissolved solids concentration from 429 to 585 mg/l. The discharge plan addresses how spills, leaks and other discharges to the ground will be managed.

(GW-59) - Meridian Oil Gathering, Inc., C.R. Owen, Regional Operations Manager, P.O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge application for its Manzanares Compressor Station located in Sections 3 and 4, Township 10 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 225 gallons per day of wastewater is disposed of at an OCD approved offsite disposal facility. Ground water most likely to be affected by any discharge to the surface is at a depth of approximately 473 feet with a total dissolved solids concentration from 1188 to 1620 mg/l. The discharge plan addresses how spills, leaks and other discharges to the ground will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the

OIL CONSERVATION DIVISION
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STATE OF NEW MEXICO
County of Bernalillo } ss

Thomas J. Smithson, being duly sworn declares and says that he is National Advertising manager of the **Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chaper 167, Session Laws of 1937, and that payment therefore has been made or assessed as court costs; that the notice, a copy of which is hereto attached, was published in said paper in the regular daily edition,

for 1 times, the first publication being on the 9 day of Sept 1990, and the subsequent consecutive publications on 1990.

Thomas J. Smithson

Sworn and subscribed to before me, a Notary Public in and for the County of Bernalillo and State of New Mexico, this 10 day of Sept, 1990.

OFFICIAL SEAL
Signature Bernadette Ortiz
BERNADETTE ORTIZ

12-18-93

PRICE $39.97

Statement to come at end of month.

ACCOUNT NUMBER C81184

EDJ-15 (R-12/89)

NOTICE OF PUBLICATION

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan renewal application has been submitted to the Director of the Oil Conservation Division, State Land Office Building, P. O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-56) - Meridian Oil Gathering, Inc., C. R. Owen, Regional Operations Manager, P. O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge application for its Gobernador Compressor Station located in the NW/4 NW/4, Section 31, Township 30 North, Range 7 West, NMPM, Rio Arriba County, New Mexico. Approximately 225 gallons per day of wastewater is disposed of at an OCD approved offsite disposal facility. Ground water most likely to be affected by any discharge to the surface is at a depth of approximately 262 feet with a total dissolved solids concentration from 1650 to 2250 mg/l. The discharge plan addresses how spills, leaks and other discharges to the ground will be managed.

(GW-57) - Meridian Oil Gathering, Inc., C. R. Owen, Regional Operations Manager, P. O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge application for its Pump Canyon Compressor Station located in Section 24, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico. Approximately 225 gallons per day of wastewater is disposed of at an OCD approved offsite disposal facility. Ground water most likely to be affected by any discharge to the surface is at a depth of approximately 82 feet with a total dissolved solids concentration from 3157 to 4300 mg/l. The discharge plan addresses how spills, leaks and other discharges to the ground will be managed.

(GW-58) - Meridian Oil Gathering, Inc., C. R. Owen, Regional Operations Manager, P. O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge application for its Hart Canyon Compressor Station located in the SE/4, Section 20, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 225 gallons per day of wastewater is disposed of at an OCD approved offsite disposal facility. Ground water most likely to be affected by any discharge to the surface is at a depth of approximately 204 feet with a total dissolved solids concentration from 429 to 585 mg/l. The discharge plan addresses how spills, leaks and other discharges to the ground will be managed.

(GW-59) - Meridian Oil Gathering, Inc., C. R. Owen, Regional Operations Manager, P. O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge application for its Manzanares Compressor Station located in Sections 3 and 4, Township 10 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 225 gallons per day of wastewater is disposed of at an OCD approved offsite disposal facility. Ground water most likely to be affected by any discharge to the surface is at a depth of approximately 473 feet with a total dissolved solids concentration from 1188 to 1620 mg/l. The discharge plan addresses how spills, leaks and other discharges to the ground will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant pubic interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 31st day of August, 1990. To be published on or before September 7, 1990.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY, Director

S E A L

Geoscience Consultants, Ltd.

500 Copper Avenue N.W. Suite 200
Albuquerque, New Mexico 87102
(505) 842-0001 FAX (505) 842-0595

August 29, 1990

VIA TELEFAX

Roger Anderson
OCD Santa Fe

Dear Mr. Anderson:

The State Engineers Office has provided us with ground water information obtained from wells located in the vicinity of Meridian Oil Company's Gobernador, Hart, Pump and Manzanares compressor stations.

Based on this information, the calculated Total Dissolved Solids (TDS) concentrations and approximate depths to groundwater for these compressor stations are as follows:

STATION	DEPTH TO WATER (ft)	TDS (mg/l)
Gobernador	262	1644-2242
Hart	204	429-585
Pump	82	3157-4305
Manzanares	473	1188-1620

I hope this information will satisfy your requirements. If you have any questions please call.

Sincerely,
GEOSCIENCE CONSULTANTS, LTD.

for Robert Padgett
Staff Engineer

RP/llb/0406/OCD.LTR

cc: Larry Dillon, Meridian Oil Co.

MERIDIAN OIL

July 27, 1990

New Mexico Oil Conservation Division
Attn: Mr. Roger C. Anderson
P. O. Box 2088, Rm #206
Santa Fe, New Mexico 87504

RE: Ground Water Discharge Plans -
Gobernador, Hart Canyon, Manzanares,
and Pump Canyon Compressor Stations

Dear Mr. Anderson,

Meridian Oil Gathering Inc. is submitting Discharge Plans for the four referenced compressor stations. As indicated in earlier correspondence with the Oil Conservation Division, the Gobernador and Hart Canyon Stations have been operating for the past four months. The Manzanares Station was started up in mid July and the Pump Canyon Station is currently under construction.

As requested, three copies of each Discharge Plan have been provided. If there is a need for any additional information, please contact Larry Dillon at (505) 326-9714.

Sincerely,

C. R. Owen
Regional Operations Manager

LWD/CRO/dl

xc: T. K. Baker
L. D. Jones

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

April 19, 1990

CERTIFIED MAIL
RETURN RECEIPT NO. P-918-402-116

Mr. C. R. Owen
Meridian Oil Inc.
P. O. Box 4289
Farmington, New Mexico 87499-4289

RE: Discharge Plan Requirement
Meridian Compressor Stations

Dear Mr. Owen:

Under the provisions of the Water Quality Control Commission (WQCC) Regulations you are hereby notified that the filing of discharge plans is required for the following compressor stations.

1. Hart Canyon Compressor Station - SE/4, Section 20, Township 31 North, Range 10 West, Rio Arriba County, New Mexico.

2. Gobernador Compressor Station - NW/4 NW/4, Section 31, Township 30 North, Range 7 West, Rio Arriba County, New Mexico.

3. Manzanares Compressor Station - Section 4, Township 29 North, Range 8 West, San Juan County, New Mexico.

4. Pump Canyon Compressor Station - Section 24, TOwnship 30 North, Range 8 West, San Juan County, New Mexico.

This notification of discharge plan requirement is pursuant to Sections 3-104 and 3-106 of the WQCC Regulations. The discharge plan, defined in Section 1.101.P. of the WQCC Regulations, should cover all discharges of effluent or leachate at the plant site or adjacent to the plant site. Included in the application should be plans for controlling spills and accidental discharges at the facility (including detection of leaks in buried underground tanks and/or piping).

A copy of the regulations is enclosed for your convenience. Also enclosed is a copy of an OCD guide to the preparation of discharge plans for gas processing plants. The guidelines are presently being revised to include berming of tanks, curbing and paving of process areas susceptible to leaks or spills and the disposition of any solid wastes. Three copies of each discharge plan application should be submitted.

Section 3-106.B. of the WQCC Regulations allows the Director to authorize discharges from a facility without a discharge plan for a period not to exceed 120 days. This authorization was granted on March 27, 1990 for the Gobernador and Hart Canyon Compressor Stations and will commence on the day you receive this notification.

If the Pump Canyon and Manzanares Compressor Stations are constructed and ready for testing before discharge plan approval, a 120 day authorization to discharge without an approved discharge plan can be approved if good cause is shown.

If there are any questions on this matter, please feel free to call David Boyer at 827-5812, or Roger Anderson at 827-5884 as they have the assigned responsibility for review of all discharge plans.

Sincerely,

William J. LeMay
Director

WJL/RCA/sl

Enclosure

cc: OCD Aztec Office

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)* 2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:
Meridian Oil Co.
P.O. Box 4289
Farmington, NM 87499
Attn: C. R. Owen

4. Article Number
P918 402 116

Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X

7. Date of Delivery
4-23-90

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

March 27, 1990

Mr. C. R. Owen
Meridian Oil Inc.
P. O. Box 4289
Farmington, New Mexico

RE: Discharge Plan Requirement
Gobernador and Hart Compressor Stations

Dear Mr. Owen:

The Oil Conservation Division (OCD) has received your request, dated March 23, 1990, for authorization to discharge without an approved discharge plan while the OCD is determining if a discharge plan will be required.

Based on the information in the request and for good cause shown your request to discharge without a discharge plan at the Gobernador Compressor Station located in the NW/4 NW/4, Section 31, Township 30 North, Range 7 West, NMPM, Rio Arriba County, New Mexico, and the Hart Canyon Compressor Station located in the SE/4, Section 20, Township 31 North, Range 10 West, N.M.P.M., San Juan County, New Mexico, is hereby approved.

This approval will allow Meridian Oil to test and operate the newly constructed stations while the OCD evaluates the need for a Discharge Plan. The approval will be for a period of 120 days commencing on the date you receive notice a Discharge Plan is required, if such a determination is made following a site inspection at both stations.

If you have any questions, please contact Roger Anderson at (505) 827-5884.

Sincerely,

William J. LeMay
Director

WJL/RCA/sl

cc: OCD Aztec Office

MERIDIAN OIL

90 MAR 26 AM 9 59

March 23, 1990

New Mexico Oil Conservation Division
ATTN: Mr. Roger C. Anderson
P.O. Box 2088, Rm #206
Santa Fe, NM 87504

RE: Request for an Authorization to Discharge
Without an Approved Discharge Plan
Gobernador and Hart Canyon Compressor Stations

Dear Mr. Anderson:

Meridian Oil Gathering, Inc. requests an 'Authorization to Discharge Without an Approved Discharge Plan', while the OCD is evaluating the need for discharge plans at the Gobernador and Hart Canyon compressor stations. As Mr. Larry Dillon stated to you over the phone, both of these facilities are very near completion. The Hart Canyon compressor station is in a testing mode and will be fully operational by March 24, 1990. The Gobernador compressor station is expected to be fully operational by April 5, 1990.

In your letter of February 21, 1990 you stated the need for site visits to aid in your decision concerning discharge plans. Meridian will arrange for you to visit these facilities at your earliest convenience. Please contact Mr. Dillon at (505)326-9714 to make arrangements for your visit.

Your letter of February 21, 1990 also pointed out the following omissions in the 'Notices of Intent', which were submitted by Meridian Oil Gathering, Inc. on February 5, 1990.

1. Notices of Intent were not signed or dated.

2. Topographic maps and locations were not included.

These omissions have been corrected and the required information is attached.

If you have any questions or need further information, do not hesitate to call.

Sincerely,

XD Jones for CR Owen

C.R. Owen
Regional Operations Manager

LWD/dj

NOTICE OF INTENT

RECEIVED
'90 MAR 26 AM 9 59

1. Name and address of the person making the discharge.

Meridian Oil Gathering, Inc.
P.O. Box 4289
Farmington, NM 87401

Telephone: (505)326-9700

2. Location of the discharge (in Township, Range and Section, ¼,¼,¼, if available).

Hart Canyon Compressor Station
S/2 Section 20, T31N, R10W
San Juan County, New Mexico (see attached plat)

3. Type of discharge. (1) Wash-down water; (2) Used Lube Oil; and (3) Pipeline liquids - (see attached disposal plan)

4. The means of discharge (To a lagoon, Flowing Stream, Water Course, Arroyo, Septic Tank-Leach field, other - Specify). Above ground steel tanks, on site, and then hauled to final disposal site (see attached disposal plan).

5. The type of operation from which the discharge is derived. Field compression of natural gas through a pipeline.

6. The estimated flow to be discharged per day. (1) 3000 gallons per month; (2) 100 gallons per month; and (3) 750 gallons per month.

7. The estimated depth to ground water (if available). Greater than 25 feet.

Signed: OD Tom for CR Owen Date: 3/23/90

HART CANYON COMPRESSOR STATION
DISPOSAL PLAN

The Hart Canyon station will be a field compression facility, which will be used in the gathering of Fruitland Coal gas. There will be liquid waste as a result of the operation of this station. Following is a description of these waste fluids and the disposal plan for each.

WASH-DOWN WATER:

Fresh water will be used to clean or wash-down the compressors and engines, and the floor of the compressor building. The contaminants will be dirt and small amounts of lubricating oil, which may spill onto the floor of the compressor building during routine maintenance. It is estimated that the usage rate of wash-down water will be 3,000 gallons (71 bbl) per month.

There are floor drains in the compressor building, which will allow the wash-down water to gravity drain into an underground sump tank. This sump tank is a double walled steel tank, which includes a leak detection system. This sump tank has a capacity of 375 gallons. This sump tank will be continually pumped down, with the water being pumped into an above ground vertical tank (capacity 8,400 gallons). This water will finally be trucked to an approved disposal well.

USED LUBRICATING OIL:

In the routine maintenance of the compressor engines the lubricating oil will be changed out, resulting in used lube oil. The oil in the engines will be changed approximately every three months, which is a rate of used oil of 100 gallons (2.5 bbl) per month.

When the engine oil is changed, the used lube oil will gravity drain from the engines into the underground sump tank. The used lube oil will be sold to a recycling contractor, who will truck the oil off location. This contractor will be approved by the New Mexico Environmental Improvement Division in the hauling and final disposition of the used oil. The used oil will finally be recycled by the contractor.

PIPELINE LIQUIDS:

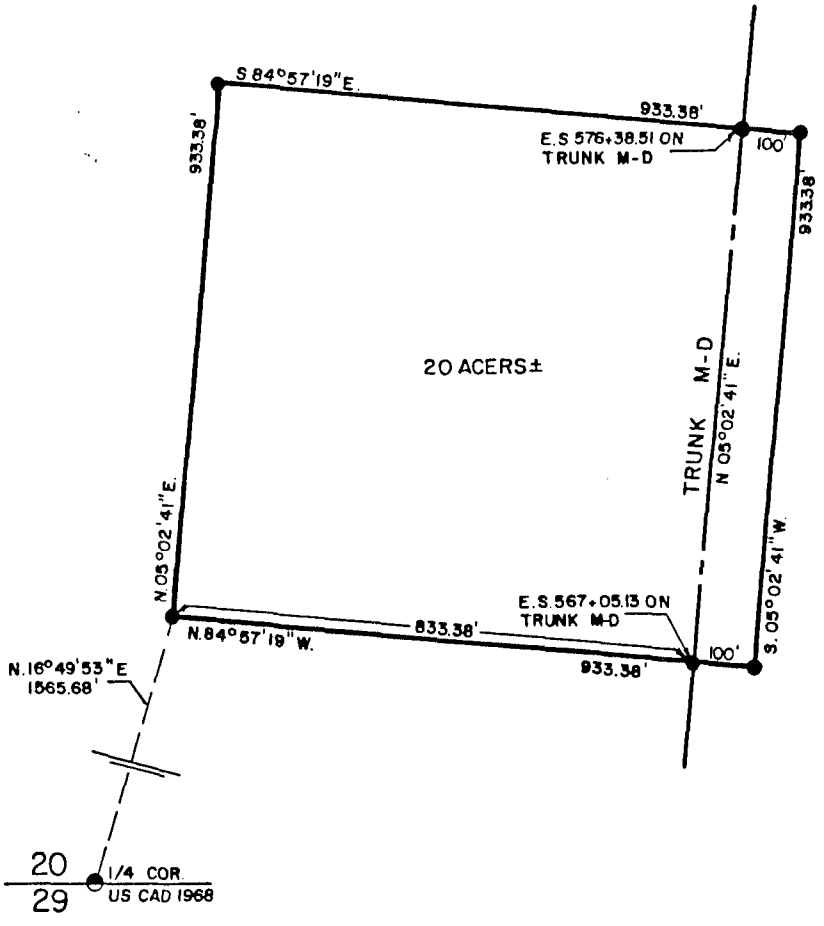
As the gas stream enters the station, all free liquids are separated out before the gas enters the compressors. These liquids will be pumped into a separate above ground vertical tank. This tank will also have a capacity of 8,400 gallons.

Any free liquid from the pipeline will consist almost entirely of water that condenses out of the gas, as it travels through the pipe. The estimated rate of condensed water is 750 gallons (18 bbl) per month. Due to the dry nature of this gas, no liquid hydrocarbons will be present. An extremely small trace of corrosion inhibitor is the only other fluid expected. This condensed water will be suitable for pumping into a disposal well, and will be trucked to such a facility.

Produced water will not normally be present in the pipeline, as all Fruitland Coal gas gathered into this system will be dehydrated before it enters the pipeline. If there is a failure of a dehydration unit and produced water does enter the pipeline, this water will be separated out at the station. Any such produced water will be trucked back to the field and disposed of in a well designated for produced water from the Fruitland Coal.

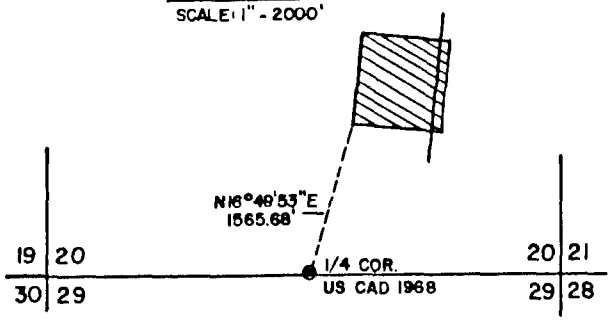
A SURVEY FOR
MERIDIAN OIL CO.
PROPOSED COMPRESSOR SITE
TRUNK M-D
S/2, SEC. 20, T31N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

HART CANYON



VICINITY MAP

SCALE: 1" - 2000'



NOTE:

1. BASIS OF BEARING: WEST LINE, SW/4, SEC. 11, T29N, R11W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO, BEARS; N.0°11'E.
2. ENTIRE 20 ACERS ON BLM

SCALE: 1" = 300'

R. HOWARD DAGGETT NEW MEXICO 6863

DATE: 1/27/89

I, R. HOWARD DAGGETT A DULY QUALIFIED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO. DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO.

DAGGETT LAND SURVEYING
FARMINGTON, NEW MEXICO
(505)326-1772
R. HOWARD DAGGETT
REGISTERED LAND SURVEYOR

HART CANYON

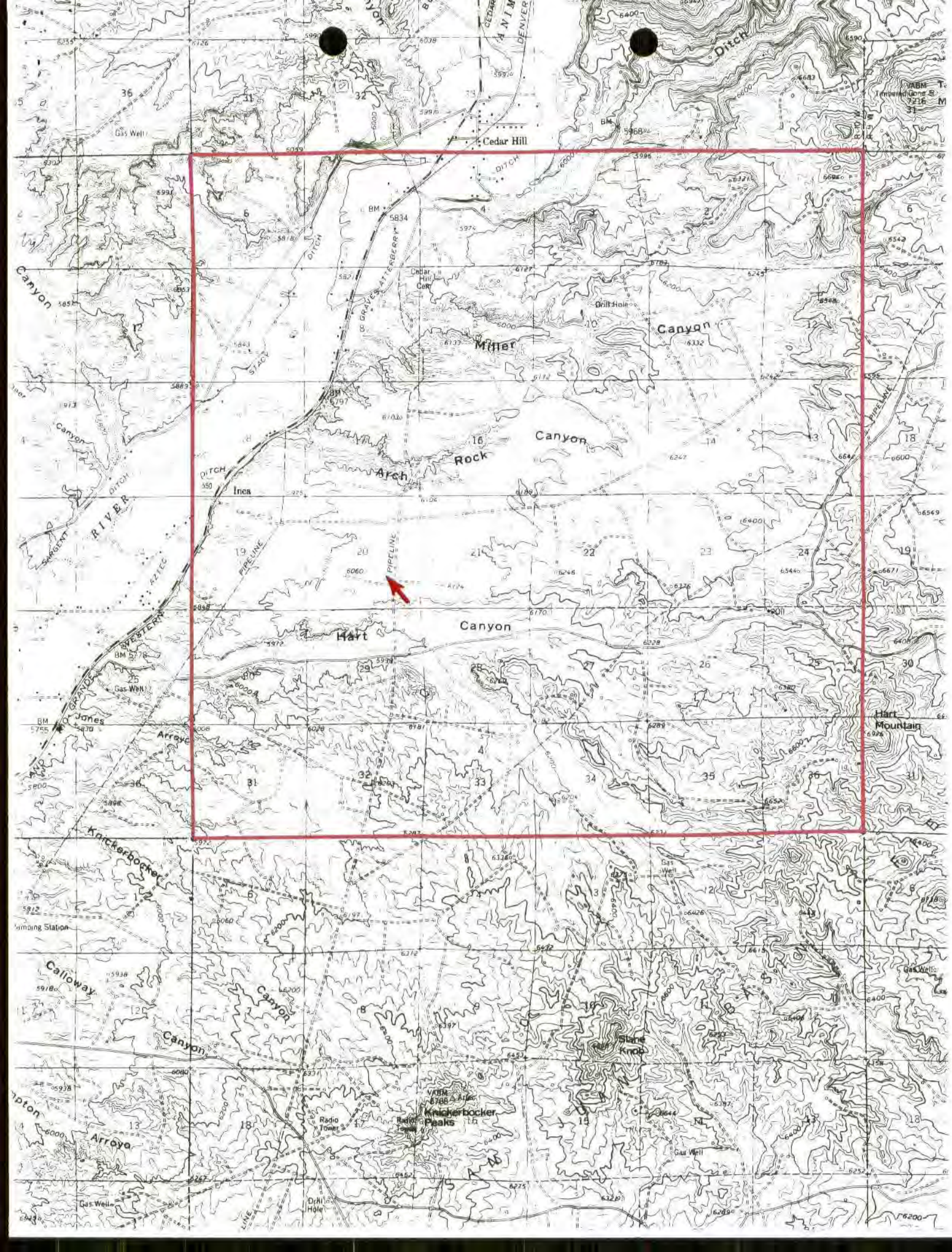
January 27,1989

LEGAL DESCRIPTION
of
Meridian Oil Co. Proposed Compressor Site on Trunk M-D
In Southeast 1/4 of Section 20,T.31 N.,R.~~31~~ 10 W.,N.M.P.M.

That certain parcel of land in the Southeast 1/4 of Section 20,T.31 N.,R.10 W.,N.M.P.M.,San Juan County,New Mexico.More particurlarty described as follows.

COMMENCING at the South 1/4 Corner of said Section 20,T.31 N, R.10 W.,N.M.P.M. Thence N.16-49-53 E. a distance of 1565.68 feet to the "Point of Beginning" for this description.
THENCE: N.05-02-41 E.,933.38 FT.
THENCE: S.84-57-19 E.,933.38 FT.
THENCE: S.05-02-41 W.,933.38 FT.
THENCE: N.84-57-19 W.,933.38 FT. to the "Point of Beginning" for this description.

Containing 20.00 Acres more or less.


Cedar Hill
Miller
Canyon
Rock
Arch
Inca
Hart
Canyon
Jones
Arroyo
Knickerbocker
Canyon
Calloway
Canyon
Arroyo
Knickerbocker
Peaks
Slane
Knob
Hart
Mountain
RIVER
SARGENT
PIPELINE
DITCH
Gas Well
Drill Hole
Radio
Tower

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

February 21, 1990

Mr. C. Ray Owen
Meridian Oil Inc.
P. O. Box 4289
Farmington, New Mexico

RE: Notice of Intent to Discharge

Dear Mr. Owen:

The Oil Conservation Division (OCD) has received your Notice of Intent to Discharge (NOI) for your Gobernador and Hart Canyon compressor stations. The following are omissions from the notice:

1. Notice of Intent was not signed or dated.

2. A topographic map and plot of each facility was not included.

Based on the generalized location provided for each facility, a visit to the site by OCD personnel will be required before determining the need for a discharge plan. I will be in contact with you in the next few weeks to schedule a site visit.

If you have any questions, please do not hesitate to call me at (505) 827-5884.

Sincerely,

Roger C. Anderson
Environmental Engineer

RCA/sl

cc: OCD Aztec Office

MERIDIAN OIL

OIL CONSERVATION DIVISION
RECEIVED
'90 FEB 8 AM 8 45

February 5, 1990

Oil Conservation Division
ATTN: Mr. Roger C. Anderson
P.O. Box 2088, Rm. #206
Santa Fe, New Mexico 87504

RE: Notice of Intent to Discharge
Gobernador and Hart Canyon Compressor Stations

Dear Mr. Anderson:

Meridian Oil Gathering Inc. is filing a 'Notice of Intent to Discharge' for liquid waste from the Gobernador and the Hart Canyon compressor stations. Enclosed is a Notice of Intent for each station along with a Disposal Plan, which Meridian intends to implement. These compressor stations are currently under construction.

If you have any questions or need additional information, contact Larry Dillon at (505)326-9714.

Sincerely,

C. Ray Owen
Attorney-in-Fact
Regional Operations Manager

CRO/dj

NOTICE OF INTENT

1. Name and address of the person making the discharge.

Meridian Oil Gathering, Inc.
P.O. Box 4289
Farmington, NM 87401

Telephone: (505)326-9700

2. Location of the discharge (in Township, Range and Section, ¼,¼,¼, if available).

Hart Canyon Compressor Station
S/2 Section 20, T31N, R10W
San Juan County, New Mexico (see attached plat)

3. Type of discharge. (1) Wash-down water; (2) Used Lube Oil; and (3) Pipeline liquids - (see attached disposal plan)

4. The means of discharge (To a lagoon, Flowing Stream, Water Course, Arroyo, Septic Tank-Leach field, other - Specify). Above ground steel tanks, on site, and then hauled to final disposal site (see attached disposal plan).

5. The type of operation from which the discharge is derived. Field compression of natural gas through a pipeline.

6. The estimated flow to be discharged per day. (1) 3000 gallons per month; (2) 100 gallons per month; and (3) 750 gallons per month.

7. The estimated depth to ground water (if available). Greater than 25 feet.

Signed: _____ Date: _____

HART CANYON COMPRESSOR STATION
DISPOSAL PLAN

The Hart Canyon station will be a field compression facility, which will be used in the gathering of Fruitland Coal gas. There will be liquid waste as a result of the operation of this station. Following is a description of these waste fluids and the disposal plan for each.

WASH-DOWN WATER:

Fresh water will be used to clean or wash-down the compressors and engines, and the floor of the compressor building. The contaminants will be dirt and small amounts of lubricating oil, which may spill onto the floor of the compressor building during routine maintenance. It is estimated that the usage rate of wash-down water will be 3,000 gallons (71 bbl) per month.

There are floor drains in the compressor building, which will allow the wash-down water to gravity drain into an underground sump tank. This sump tank is a double walled steel tank, which includes a leak detection system. This sump tank has a capacity of 375 gallons. This sump tank will be continually pumped down, with the water being pumped into an above ground vertical tank (capacity 8,400 gallons). This water will finally be trucked to an approved disposal well.

USED LUBRICATING OIL:

In the routine maintenance of the compressor engines the lubricating oil will be changed out, resulting in used lube oil. The oil in the engines will be changed approximately every three months, which is a rate of used oil of 100 gallons (2.5 bbl) per month.

When the engine oil is changed, the used lube oil will gravity drain from the engines into the underground sump tank. The used lube oil will be sold to a recycling contractor, who will truck the oil off location. This contractor will be approved by the New Mexico Environmental Improvement Division in the hauling and final disposition of the used oil. The used oil will finally be recycled by the contractor.

PIPELINE LIQUIDS:

As the gas stream enters the station, all free liquids are separated out before the gas enters the compressors. These liquids will be pumped into a separate above ground vertical tank. This tank will also have a capacity of 8,400 gallons.

Any free liquid from the pipeline will consist almost entirely of water that condenses out of the gas, as it travels through the pipe. The estimated rate of condensed water is 750 gallons (18 bbl) per month. Due to the dry nature of this gas, no liquid hydrocarbons will be present. An extremely small trace of corrosion inhibitor is the only other fluid expected. This condensed water will be suitable for pumping into a disposal well, and will be trucked to such a facility.

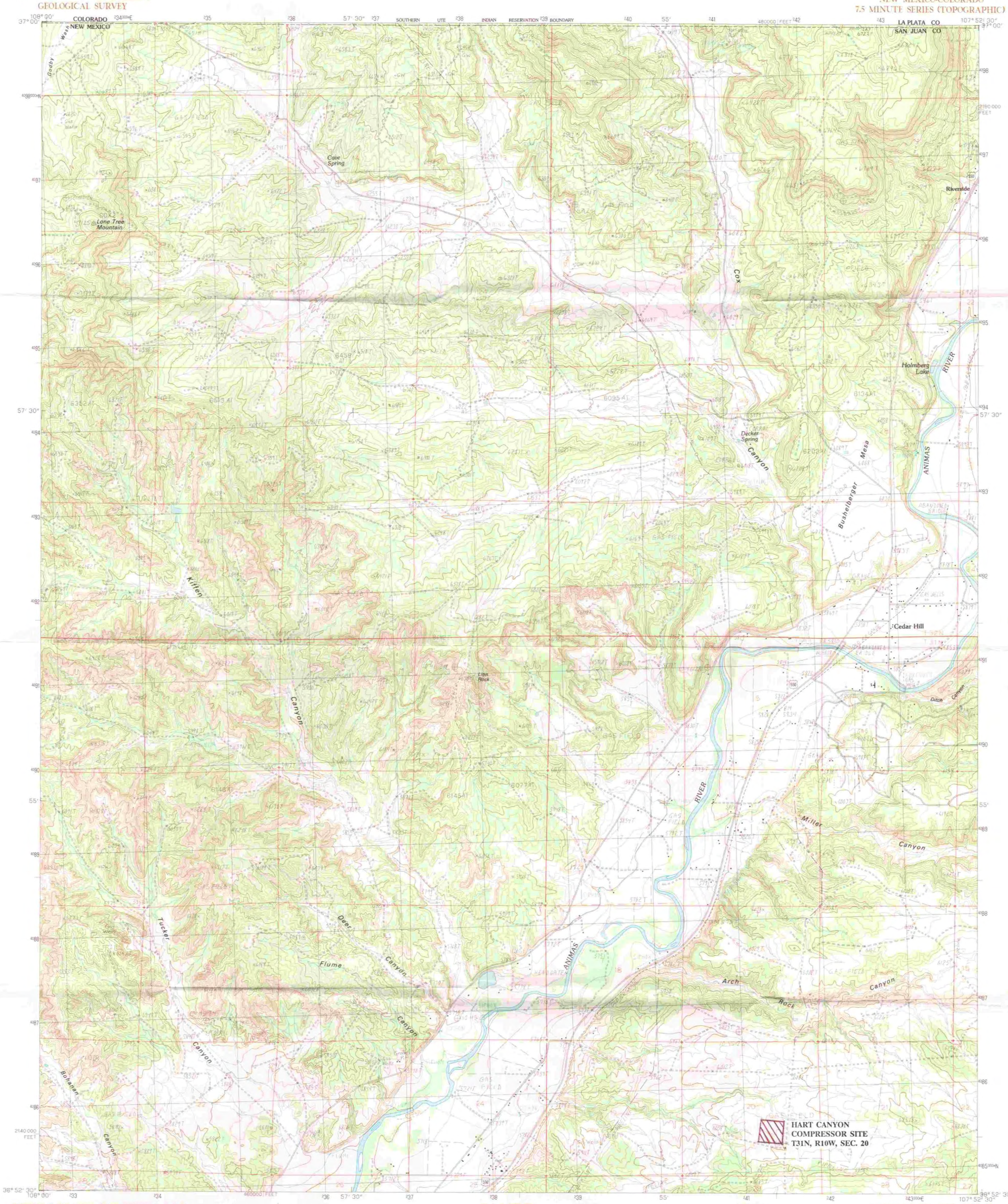
Produced water will not normally be present in the pipeline, as all Fruitland Coal gas gathered into this system will be dehydrated before it enters the pipeline. If there is a failure of a dehydration unit and produced water does enter the pipeline, this water will be separated out at the station. Any such produced water will be trucked back to the field and disposed of in a well designated for produced water from the Fruitland Coal.

TABLE OF CONTENTS

LIST OF FIGURES

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CEDAR HILL QUADRANGLE
NEW MEXICO-COLORADO
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1981
FIELD CHECKED ..... 1981 MAP EDITED 1985
PROJECTION ..... TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 13
10,000-FOOT STATE GRID TICKS ..... NEW MEXICO, WEST ZONE
COLORADO, SOUTH ZONE
UTM GRID DECLINATION ..... 1°46' WEST
1985 MAGNETIC NORTH DECLINATION ..... 12° EAST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM
To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (2 meters north and 56 meters east)
There may be private inholdings within the boundaries of any Federal and State Reservations shown on this map
All marginal data and lettering generated and positioned by automated type placement procedures

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check.

SCALE 1:24 000
MILES
FEET
KILOMETERS
METERS
CONTOUR INTERVAL 20 FEET

NM 02203

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092

NEW MEXICO
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Pinkerton Mesa
2 Long Mountain
3 Rowland Hill
4 Adobe Downs Ranch
5 Mount Nebo
6 Flora Vista
7 Aztec
8 Turley

ADJOINING 7.5' QUADRANGLE NAMES

ROAD LEGEND
Improved Road
Unimproved Road
Trail
Interstate Route U.S. Route State Route

CEDAR HILL, N. MEX.-COLO.
PROVISIONAL EDITION 1985

36107-H8-TF-024

DISCHARGE PLAN

HART CANYON COMPRESSOR STATION

I. GENERAL INFORMATION

A. Hart Canyon Compressor Station
is owned and operated by:
Meridian Oil Gathering, Inc.
3535 East 30th Street
P.O. Box 4289
Farmington, NM 87499-4289
(505) 326-9700

B. Regional Operations Manager:
C. R. Owen
Meridian Oil Inc.
P.O. Box 4289
Farmington, NM 87499-4289
(505) 326-9700

C. Plant location:
SE/4 of Section 20,
T31N, R10W, N.M.P.M.
San Juan County, NM (see figure 1)

D. Purpose of Plant:

Field compression facility, which will be used in the gathering of Fruitland Coal gas.

Producer: Meridian Oil, Inc., and others.
Process: Dehydrated gas enters the station at a pressure of 300 psig. The natural gas will be compressed to 900 psig and discharged into a pipeline leaving the station.

Design Conditions:

Single Stage Compression	
Gas Volume	44 MMSCFD
Oper. Press	300-900 PSIG
Speed Range	900 rpm
Station hp	2700 hp

E. Three copies of Discharge Plan to OCD.

F. Affirmation:

"I hereby certify that I am familiar with the information contained in and submitted with this discharge plan and that such information is true, accurate, and complete to the best of my knowledge and belief."

Signature _____ Date _____

Printed Name of Person Signing Document _____ Title _____

II. PLANT PROCESS

A. Sources and Quantities of Effluent and Process Fluids

The natural gas stream entering the plant is a very lean gas, essentially all methane and CO2. The gas is field dehydrated before entering the station.

1. Fresh water will be used to clean or wash-down the compressors, engines, and floor of the compressor buildings. The contaminants will be dirt and small amounts of lubricating oil, which may spill onto the floor of the compressor building during routine maintenance. The usage rate of wash down water is estimated at 3,500 gallons per month.

2. In routine maintenance of the compressor engines, the oil in the engines will be changed approximately every 3 months, at a rate of oil use of 330 gallons per month.

3. Free liquid from the pipeline will consist almost entirely of water that condenses out of the gas as it travels through the pipe. The estimated rate of condensed water is 3,000 gallons per month. Due to the dry nature of this gas, no liquid hydrocarbons will be present.

B. Quality Characteristics

1. Mobil Pegasus 444 is used for the lubricating oil for the compressor engines. Please refer to the enclosed Material Safety Data Sheets (MSDS) for a description of this product.

C. Transfer and Storage of Process Fluids and Effluents

1. All pressure vessels in this plant conform to ASME Code. All process piping was hydrotested, designed, and fabricated per ASME B31.3 Code. All pressure piping welds 2" and larger were 100% x-rayed. Maximum operating pressures for the pipelines are Suction, 750 psig; and Discharge, 1480 psig.

2. The floor drains in the compressor building allow the wash down water and used compressor engine oil to gravity drain into an underground sump tank. This sump tank is a new, 375-gallon, doubled-walled steel tank with leak detection. This sump tank will be continually pumped down into a new above ground internally coated steel vertical tank (capacity 8,400 gallons), with a dirt berm built around the steel tank.

3. All chemical barrels and tanks will be set over curbed concrete pad.

D. Spill/Leak Prevention and Housekeeping Procedures

1. All operations personnel have been instructed to handle process fluid spills or leaks as follows:

   - Small spills: Cover with sand to soak up fluid and shovel into drums for off-site disposal.
   - Large spills: Dike around spill and pump into drums. Call vacuum truck if necessary.
   - Any spill large enough to require a dike to contain it will be reported immediately by phone to the OCD. Written notification will follow within one week per section 1-203 of the New Mexico Water Quality Control Commission Regulation.

2. The wash down water sump tank is a doubled-walled steel tank, which includes a leak detection system.

   Critical areas in the high pressure gas piping will be routinely inspected by U.T. examination for corrosion. Mobile Inspection Services, Inc. has been contracted to inspect the critical areas in the liquid process piping for corrosion. Piping cut out for any reason will be visually inspected for corrosion. Corrosion coupons have been installed in the piping to detect any possibility of corrosion.

III. EFFLUENT DISPOSAL

A. 1. The control room is equipped with a toilet and sink, and uses a septic tank and newly constructed 300 sq. ft. leach field adjacent to the motor control center.

2. The used lube oil from the compressor engines will be sold to a recycling contractor. This contractor will be approved by the New Mexico Environmental Improvement Division for the hauling and final disposition of the used oil.

3. The shipping agent contracted for off-site disposal is Mesa Oil, Inc., 4701 Broadway Blvd. SE, Albuquerque, New Mexico.

IV. SITE CHARACTERISTICS

A. Water for this facility is provided by a well.

B. Depth to ground water is estimated to be greater than 25 feet.

A soil survey was performed by Western Technologies, Inc., 400 South Lorene Avenue, Farmington, New Mexico. Soils at the site consist of clayey and silty sand with low to moderate load bearing capabilities and moderate to high expansive potentials. These soils are underlain by cobbles, gravel, and silty sand with moderate load bearing capabilities. Surface soils to depth of 9 to 17 feet were found to be sandy or silty clay of firm to stiff consistency and low to medium plasticity.

C. Flood potential is very unlikely

Flood protection - N/A.

V. ADDITIONAL INFORMATION

Produced water will not normally be present in the pipeline, as all Fruitland Coal gas gathered into this system will be dehydrated before it enters the pipeline. If there is a failure of a dehydration unit and produced water does enter the pipeline, this water will be separated out at the station. Any such produced water will be trucked back to the field and disposed of in a well designated for produced water from the Fruitland Coal.

MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

REVISED: 12/08/89

********** I. PRODUCT IDENTIFICATION **********

MOBIL PEGASUS 444

SUPPLIER:
MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:
GAS ENGINE LUBRICANT

HEALTH EMERGENCY TELEPHONE:
(609) 737-4411

TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)

PRODUCT TECHNICAL INFORMATION:
(800) 662-4525

********** II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES **********

APPEARANCE: ASTM 6.5 LIQUID ODOR: MILD PH: NA
VISCOSITY AT 100 F, SUS: 650.0 AT 40 C, CS: 124.0
VISCOSITY AT 210 F, SUS: 72.0 AT 100 C, CS: 13.0
FLASH POINT F(C): > 480(249) (ASTM D-92)
MELTING POINT F(C): NA POUR POINT F(C): 0(-18)
BOILING POINT F(C): > 600(316)
RELATIVE DENSITY, 15/4 C: 0.893 SOLUBILITY IN WATER: NEGLIGIBLE
VAPOR PRESSURE-MM HG 20C: < .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES
FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

********** III. INGREDIENTS **********

	WT PCT (APPROX)	EXPOSURE LIMITS MG/M3	PPM	SOURCES (AND NOTES)
POTENTIALLY HAZARDOUS INGREDIENTS:				
NONE				
OTHER INGREDIENTS:				
REFINED MINERAL OILS	>90			
ADDITIVES AND/OR OTHER INGREDS.	<10			

SEE SECTION XII FOR COMPONENT REGULATORY INFORMATION.

SOURCES: A=ACGIH-TLV, A*=SUGGESTED-TLV, M=MOBIL, O=OSHA, S=SUPPLIER
NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

********** IV. HEALTH HAZARD DATA **********

--- INCLUDES AGGRAVATED MEDICAL CONDITIONS, IF ESTABLISHED ---
THRESHOLD LIMIT VALUE: 5.00 MG/M3 SUGGESTED FOR OIL MIST
EFFECTS OF OVEREXPOSURE: NOT EXPECTED TO BE A PROBLEM.

********** V. EMERGENCY AND FIRST AID PROCEDURES **********

--- FOR PRIMARY ROUTES OF ENTRY ---

EYE CONTACT: FLUSH WITH WATER.
SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.
INHALATION: NOT EXPECTED TO BE A PROBLEM.
INGESTION: NOT EXPECTED TO BE A PROBLEM WHEN INGESTED. IF UNCOMFORTABLE SEEK MEDICAL ASSISTANCE.

********** VI. FIRE AND EXPLOSION HAZARD DATA **********

FLASH POINT F(C): > 480(249) (ASTM D-92)
FLAMMABLE LIMITS. LEL: .6 UEL: 7.0
EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.
SPECIAL FIRE FIGHTING PROCEDURES: WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE. FOR FIRES IN ENCLOSED AREAS, FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS. PREVENT RUNOFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAMS OR DRINKING WATER SUPPLY.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE
NFPA HAZARD ID: HEALTH: 0, FLAMMABILITY: 1, REACTIVITY: 0

********** VII. REACTIVITY DATA **********

STABILITY (THERMAL, LIGHT, ETC.): STABLE
CONDITIONS TO AVOID: STRONG OXIDATION
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

********** VIII. SPILL OR LEAK PROCEDURE **********

ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE NUMBER 800-424-8802.
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: ADSORB ON FIRE RETARDANT TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP AND DISPOSE OF AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL.
WASTE MANAGEMENT: PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED, CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED INCINERATION. SUCH BURNING MAY BE LIMITED PURSUANT TO THE RESOURCE CONSERVATION AND RECOVERY ACT. IN ADDITION, THE PRODUCT IS SUITABLE FOR PROCESSING BY AN APPROVED RECYCLING FACILITY OR CAN BE DISPOSED OF AT ANY GOVERNMENT APPROVED WASTE DISPOSAL FACILITY. USE OF THESE METHODS IS SUBJECT TO USER COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS AND CONSIDERATION OF PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL.

********** IX. SPECIAL PROTECTION INFORMATION **********

EYE PROTECTION: NO SPECIAL EQUIPMENT REQUIRED.
SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.
RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.
VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

********** X. SPECIAL PRECAUTIONS **********

NO SPECIAL PRECAUTIONS REQUIRED.

********** XI. TOXICOLOGICAL DATA **********

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): LD50: > 15 G/KG NONTOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY (RABBITS): LD50: > 5 G/KG NONTOXIC(ESTIMATED) ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.

EYE IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

---SUBCHRONIC TOXICOLOGY (SUMMARY)---

SEVERELY SOLVENT REFINED AND SEVERELY HYDROTREATED MINERAL BASE OILS HAVE BEEN TESTED AT MOBIL ENVIRONMENTAL AND HEALTH SCIENCES LABORATORY BY DERMAL APPLICATION TO RATS 5 DAYS/WEEK FOR 90 DAYS AT DOSES SIGNIFICANTLY HIGHER THAN THOSE EXPECTED DURING NORMAL INDUSTRIAL EXPOSURE. EXTENSIVE EVALUATIONS INCLUDING MICROSCOPIC EXAMINATION OF INTERNAL ORGANS AND CLINICAL CHEMISTRY OF BODY FLUIDS, SHOWED NO ADVERSE EFFECTS.

---CHRONIC TOXICOLOGY (SUMMARY)---

THE BASE OILS IN THIS PRODUCT ARE SEVERELY SOLVENT REFINED AND/OR SEVERELY HYDROTREATED. TWO YEAR MOUSE SKIN PAINTING STUDIES OF SIMILAR OILS SHOWED NO EVIDENCE OF CARCINOGENIC EFFECTS.

********** XII. REGULATORY INFORMATION **********

GOVERNMENTAL INVENTORY STATUS: ALL COMPONENTS REGISTERED IN ACCORDANCE WITH TSCA.

D.O.T. SHIPPING NAME: NOT APPLICABLE

D.O.T. HAZARD CLASS: NOT APPLICABLE

US OSHA HAZARD COMMUNICATION STANDARD: PRODUCT ASSESSED IN ACCORDANCE WITH OSHA 29 CFR 1910.1200 AND DETERMINED NOT TO BE HAZARDOUS.

RCRA INFORMATION: THE DISPOSAL OF THE UNUSED PRODUCT MAY BE SUBJECT TO RCRA REGULATIONS PER 40 CFR PART 261 FOR THE REASONS INCLUDING, BUT NOT LIMITED TO THOSE LISTED BELOW. DISPOSAL OF THE USED PRODUCT MAY BE REGULATED.

BARIUM: 0.45 PCT

U.S. SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III:
THIS PRODUCT CONTAINS NO "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (302) REPORTABLE HAZARD CATEGORIES: NONE

THIS PRODUCT CONTAINS NO CHEMICALS REPORTABLE UNDER SARA (313) TOXIC RELEASE PROGRAM.

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS

*** NO REPORTABLE INGREDIENTS ***

--- KEY TO LIST CITATIONS ---

1 = OSHA Z, 2 = ACGIH, 3 = IARC, 4 = NTP, 5 = NCI,
6 = EPA CARC, 7 = NFPA 49, 8 = NFPA 325M, 9 = DOT HMT, 10 = CA RTK,
11 = IL RTK, 12 = MA RTK, 13 = MN RTK, 14 = NJ RTK, 15 = MI 293,
16 = FL RTK, 17 = PA RTK, 18 = CA P65.

--- NTP, IARC, AND OSHA INCLUDE CARCINOGENIC LISTINGS ---

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

****

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

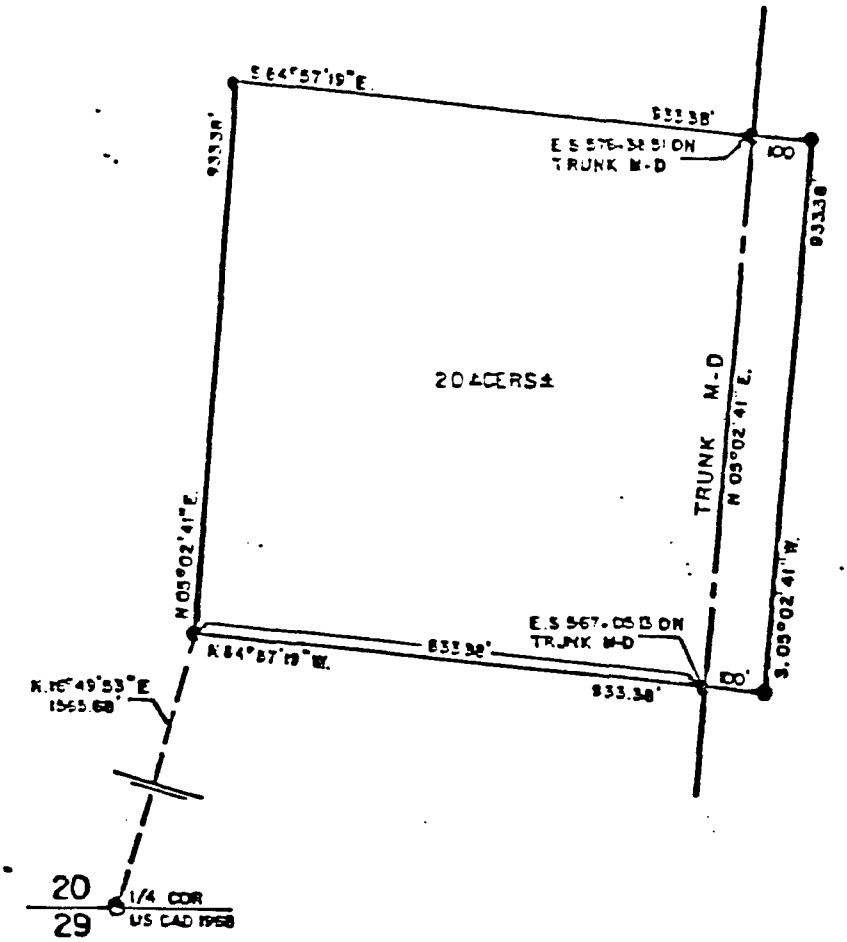
****

PREPARED BY: MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ
FOR FURTHER INFORMATION, CONTACT:
MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL
3225 GALLOWS ROAD, FAIRFAX, VA 22037 (703) 849-3265

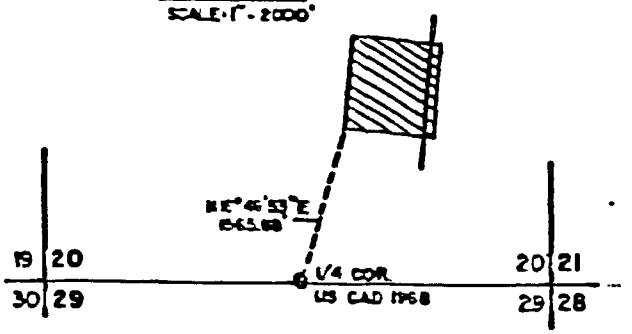
********** APPENDIX **********

FOR MOBIL USE ONLY: (FILL NO: MTN646D*001) MCN: , MHC: 0* 0* NA 0* 0*, MPPEC: A, PPEC: A, US85-143 APPROVE 05/09/89

A SURVEY FOR
MERIDIAN OIL CO
PROPOSED COMPRESSOR SITE
TRUNK M-D
S/2, SEC. 20, T31N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
HART CANYON



VICINITY MAP
SCALE: 1" = 2000'



NOTE:
1. BASIS OF BEARING WEST LINE, SW/4, SEC. 11, T29N, R11W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO, BEARS, N 0°11'E.
2. ENTIRE 20 ACERS ON BLM

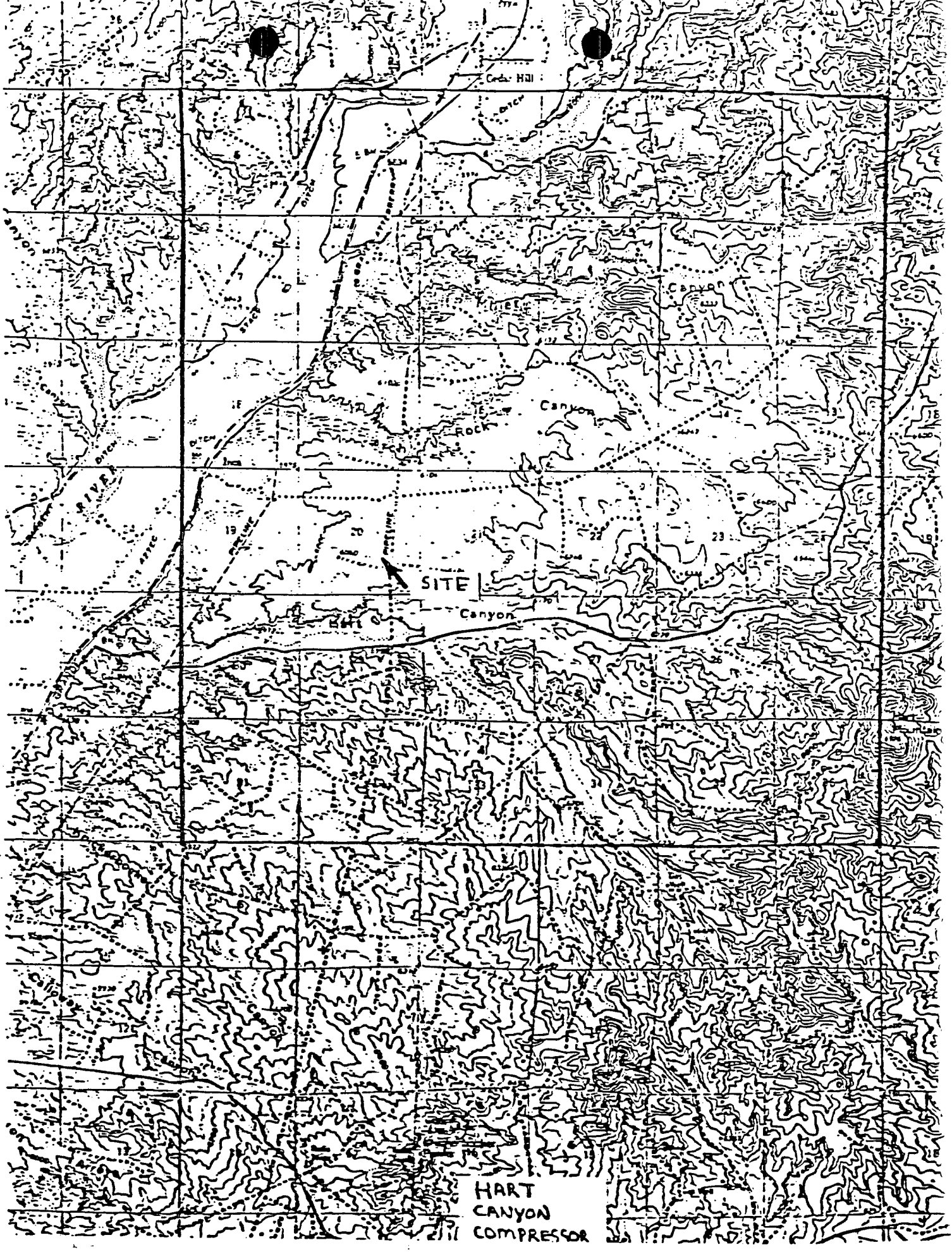
R. HOWARD DAGGETT — NEW MEXICO — 5793

DATE: 11/27/89

I, R. HOWARD DAGGETT, A DULY QUALIFIED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS

SCALE: 1" = 300'

DAGGETT LAND SURVEYING
FARMINGTON, NEW MEXICO


Cedar Hill
Canyon
Rock
Canyon
SITE
Canyon
HART
CANYON
COMPRESSOR

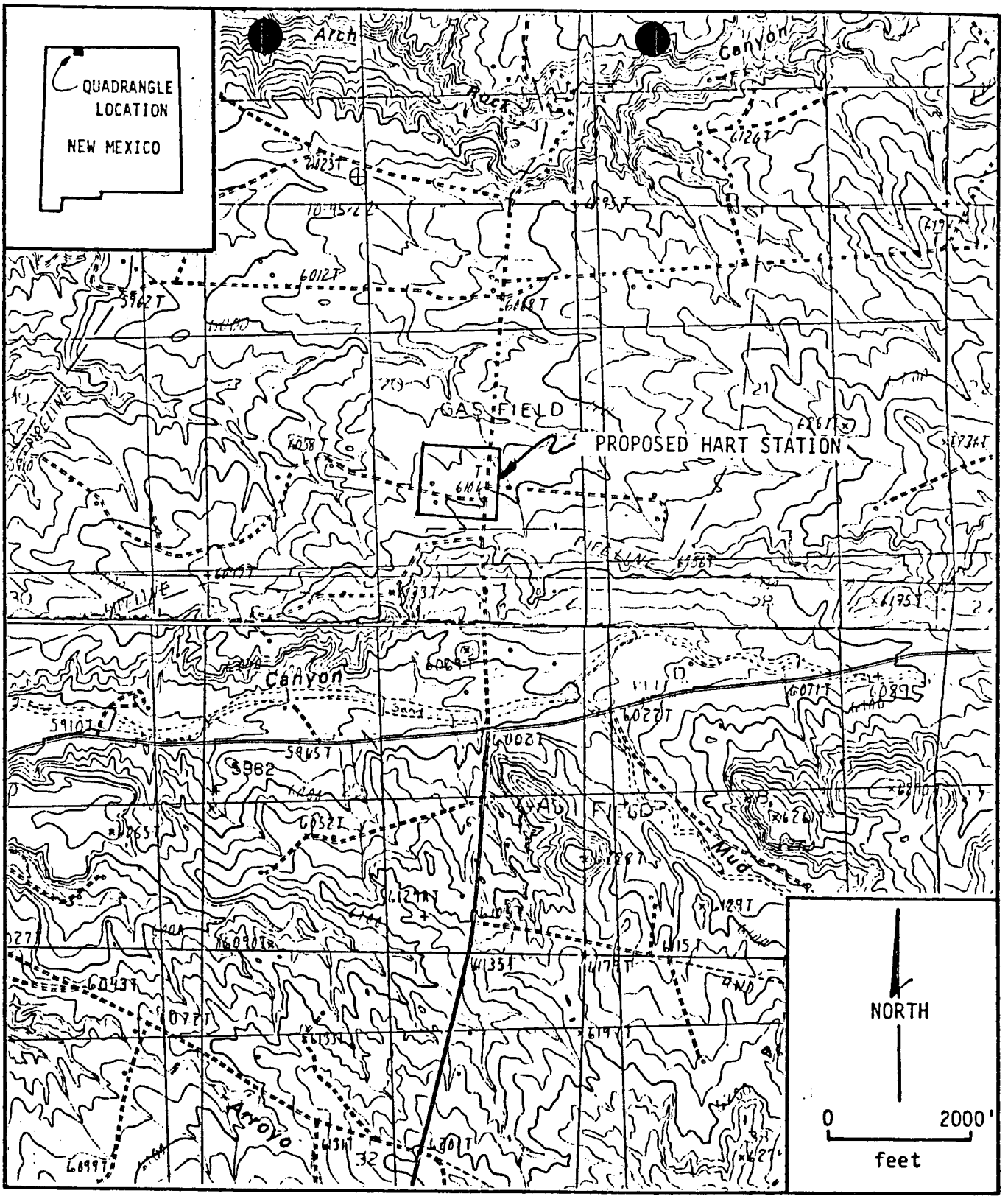


FIGURE 3-1

SITE LOCATION MAP OF PROPOSED HART STATION
(Modified from the Aztec, NM and the Cedar Hill, NM/CO USGS quadrangle maps)

FIGURE 4

HART CANYON

January 27,1989

LEGAL DESCRIPTION
of
Meridian Oil Co. Proposed Compressor Site on Trunk M-D
In Southeast 1/4 of Section 20,T.31 N.,R.~~31~~ 10 W.,N.M.P.M.

That certain parcel of land in the Southeast 1/4 of Section 20,T.31 N.,R.10 W.,N.M.P.M.,San Juan County,New Mexico.More particurlarty described as follows.

COMMENCING at the South 1/4 Corner of said Section 20,T.31 N, R.10 W.,N.M.P.M. Thence N.16-49-53 E. a distance of 1565.68 feet to the "Point of Beginning" for this description.
THENCE: N.05-02-41 E.,933.38 FT.
THENCE: S.84-57-19 E.,933.38 FT.
THENCE: S.05-02-41 W.,933.38 FT.
THENCE: N.84-57-19 W.,933.38 FT. to the "Point of Beginning" for this description.

Containing 20.00 Acres more or less.