GW - 129

GENERAL CORRESPONDENCE

YEAR(S): 2006 - 1992

Environmental Department
188 County Road 4900
Bloomfield, NM 87413
505/632-4625
505/632-4781 Fax

November 7, 2007

Mr. Leonard Lowe
Oil Conservation Division, EMNRD
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Update to Williams Four Corners, LLC OCD Discharge Plans

Dear Mr. Lowe,

Williams Four Corners, LLC (Williams) would like to update the "Description of Final Disposition" for wastes generated at its facilities, and to include clarification of sources of waste streams not previously specified in its existing OCD Discharge Plans. These items are discussed in Table 1, "Storage and Disposal of Process Fluids, Effluent and Waste Solids", and Table 2, "Source, Quantity, and Quality of Effluent and Waste Solids", in each of Williams' current facility-specific OCD Discharge Plans. (Note that in older plans, these table numbers are reversed).

More specifically, the updates to Table 1 include replacing language that stated waste would be disposed at a "NMOCD-approved" or simply "approved" disposal facility with text that states waste will be disposed at "any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste." Recently, Williams has had some difficulty using NMED-approved disposal sites due to the current language.

Updates to Table 2 include expanding the "Source" of "Used Process Filters" to include amine filters, charcoal, activated carbon, and molecular sieve in addition to the air, inlet, fuel, fuel gas and glycol filters typically included in the Discharge Plans. Additionally, the "Source" of "Condensate and/or Produced Water" has been expanded to include the inlet scrubber, gas inlet separator, and dehydrators. These changes are included for clarification purposes only and provide a more descriptive list of waste that may be generated at the facilities. All of the items listed are related to existing processes at the facilities.

Please see the attached Table 1 and Table 2, from the recent OCD Discharge Plan renewal application for Williams' Rosa Compressor Station, for an example of how the updates apply at a typical Williams' facility. The updated information is indicated by bold text. We will update this information in each OCD Discharge Plan as it comes up for renewal. In the meantime, we request that the updates described herein are effective immediately for the sites listed below upon your receipt of this letter.

Five Points (GW-078)
29-6#2 (GW-121)
29-6#3 (GW-198)
29-6#4 (GS-122)
30-5 (GW-108)
31-6 (GW-118)
32-7 (GW-117)
32-8#2 (GW-111)
32-8#3 (GW-116)
32-9 (GW-091)
Aztec (GW-155)
Blanco (GW-327)
Cabresto (GW-352)
Carracas (GW-112)
Cedar Hill (GW-087)
Chaco (GW-331)
Coyote (GW-250)
Crouch Mesa (GW-129)
Culpepper (GW-353)
Decker Junction (GW-134)
Dogie (GW-330)
El Cedro (GW-149)
Glade (GW-321)
Hare (GW-343)
Honolulu (GW-315)
Horse Canyon (GW-061)
Horton (GW-323)
Kernaghan (GW-271)
La Cosa (GW-187)
Laguna Seca (GW-307)
La Jara (GW-223)
Lateral N-30 (GW-256)
Lawson Straddle (GW-322)
Lybrook (GW-047)
Manzanares (GW-062)
Martinez (GW-308)
Middle Mesa (GW-064)
Milagro (GW-060)
Navajo (GW-182)
North Crandell (GW-310)
Pipkin (GW-120)
Pritchard (GW-274)
Pump Mesa (GW-063)
Quintana Mesa (GW-309)
Richardson (GW-320)
Sims Mesa (GW-068)
Snowshoe (GW-287)
Thompson (GW-328)
Trunk A (GW-248)
Trunk B (GW-249)
Trunk C (GW-257)
Trunk L (GW-180)
Trunk M (GW-181)
Trunk N (GW-306)
Wildhorse (GW-079)

These updates are not significant and do not pose a hazard to public health or undue risk to property. These facilities do not discharge wastewater to surface or subsurface waters. All wastes generated at these facilities are temporarily stored in tanks or containers.

Respectfully submitted,

David Bays
Senior Environmental Specialist

Attachment

Table 1
Transfer, Storage and Disposal of Process Fluids, Effluent and Waste Solids

PROCESS FLUID/WASTE	STORAGE	STORAGE CAPACITY *(approximate)*	CONTAINMENT/ SPILL PREVENTION	RCRA STATUS	DESCRIPTION OF FINAL DISPOSITION
Used Oil	Above Ground Storage Tank	500 gal*	Berm or concrete pad and wastewater system	Non-exempt	May be hauled to a Williams or contractor consolidation point before transport to EPA-registered used oil marketer for recycling.
Produced Water/Natural Gas Condensate	Above Ground Storage Tank	300 bbl 120 bbl 40 bbl	Berms	Exempt	Saleable liquids may be sold to refinery. The remaining liquids may be transported to a Williams' evaporation facility or may be disposed at **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste.**
Wash-down Water	Below Grade Sump, vaulted	70 bbl 45 bbl	Dual-walled tanks	Non-exempt	Contractor may pump wash water back into truck after washing; water may be transported to **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste;** or evaporation at Williams' facility may be considered. **Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such waste.**
Used Oil Filters	Drum or other container	Varies	Transported in drum or other container	Non-exempt	Transported to a Williams or contractor consolidation point, drained, and ultimately transported for disposal at any facility permitted by **any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste.** A Waste Acceptance Profile will be filed with the disposal facility as necessary. Recycling options may be considered when available.
Used Process Filters	Drum or other container	Varies	Transported in drum or other container	Exempt	Transported to a Williams or contractor consolidation point, drained, and ultimately transported for disposal at **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste.** A Waste Acceptance Profile will be filed with the disposal facility as necessary. Recycling options may be considered when available.
Spill Residue (e.g., soil, gravel, etc.)	N/A	N/A	In situ treatment, land-farm, or alternate method	Incident dependent	Per Section VI, Remediation, in 8/13/93 NMOCD Guidelines for Remediation of Leaks, Spills, and Releases.
Used Absorbents	Drum or other container	Varies	Transported in drum or other container	Non-exempt	Transported to a Williams or contractor consolidation point, drained, and ultimately transported for disposal at **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste**. A Waste Acceptance Profile will be filed with the disposal facility as necessary. Recycling options may be considered when available.
Empty Drums / Containers	N/A	N/A	Berm	Non - exempt	Barrels are returned to supplier or transported to a Williams or contractor consolidation point and ultimately recycled/disposed consistent with applicable regulations.
Antifreeze	Above Ground Storage Tank		Berm or concrete pad and wastewater system	N/A	Off-spec material recycled or disposed consistent with applicable regulations.
Glycol	Above Ground Storage Tank	500 gal* 125 gal* 100 gal*	Berm or concrete pad and wastewater system	N/A	Off-spec material recycled or disposed consistent with applicable regulations.
Lube Oil	Above Ground Storage Tank	500 gal*	Berm or concrete pad and wastewater system	N/A	Off-spec material recycled or disposed consistent with applicable regulations.

*Number of tanks installed dependent on number of engines and dehydrators installed on site. Engines and dehydrators are installed or removed to meet demand.

Table 2
Source, Quantity, and Quality of Effluent and Waste Solids

PROCESS FLUID / WASTE	SOURCE	QUANTITY (Ranges)	QUALITY
Produced Water/Natural Gas Condensate	**Inlet Scrubber, Gas Inlet Separator, Dehydrators**	2000-8000 bbl/year	No Additives
Waste Water /Wash Down Water	Compressor and Dehy Skids	100-5000 gal/year/unit	Biodegradable soap and tap water with traces of used oil
Used Oil	Compressors	500-2000 gal/year/engine	Used Motor Oil w/ No Additives
Used Oil Filters	Compressors	50-500/year/engine	No Additives
Used Process Filters	**Charcoal, Activated Carbon, Molecular Sieve**	**50-500 cubic yd/yr**	**No Additives**
Used Process Filters	**Air, Inlet, Fuel, Fuel Gas, Glycol, Amine, Ambitrol**	75-500/year	No Additives
Empty Drums/Containers	Liquid Containers	0-80/year	No Additives
Spill Residue (i.e. soil, gravel, etc)	Incidental Spill	Incident Dependent	Incident Dependent
Used Adsorbents	Incidental Spill/Leak Equipment Wipe-down	Incident Dependent	No Additives

2006 AUG 23 AM 11 44

Environmental Department
188 County Road 4900
Bloomfield, NM 87413
505/632-4606
505/632-4781 Fax

August 22, 2006

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

Re: Change of Company Name

Dear Mr. Price;

In accordance with Conditions of Discharge Plan Approval attached to each discharge plan approved by the New Mexico Oil Conservation Division, we hereby provide notice of a change of ownership for the Williams facilities identified in the attached table to Williams Four Corners, LLC.

As a corporate strategy, Williams has created regional limited liability corporations for our assets. So, although a new corporation has been created, Williams Four Corners LLC is still a wholly-owned unit of Williams, and there is no change of corporate ownership for these facilities. Williams will continue to comply with the terms and conditions of all approved discharge plans. All other administrative items (responsible official, environmental contacts, mailing addresses, etc.) remain unchanged.

If you have any questions, please call David Bays, Senior Environmental Specialist, at (505) 632-4951 or Ingrid Deklau of Cirrus Consulting at (801) 583-3107.

Sincerely,

David Bays
Senior Environmental Specialist

Attachments

xc: Clara Cardoza
Monica Sandoval
WFS FCA file 210

Williams

Environmental Affairs
188 CR 4900
Bloomfield, NM 87413
505/632-4606
505/632-4781 Fax

July 14, 2003

Mr. Jack Ford
New Mexico Oil Conservation Division
Water Quality Management Fund
2040 South Pacheco
Santa Fe NM 87505

Re: Discharge Plan GW-045, -129, -133, -134, -155, -292, -293, and -306

Dear Mr. Ford:

Enclosed please find the signed copy of the discharge plan conditions for the Williams Field Services (WFS) Kutz Canyon Gas Plant, Crouch Mesa CDP, 30-8 CDP, Decker Junction CS, Aztec CDP, Rosa #1 CS, Gallegos, CS, and Trunk N CS. Also included is the flat fee required by the approval conditions.

Williams Field Services appreciates your assistance in handling this and processing the fees. If you have any questions or require additional information, please contact me at 505/632/4606.

Thank you,

Clara M Garcia
Environmental Compliance

Xc: Denny Foust, Aztec, OCD Dist III

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No [redacted] dated 6-26-03,

or cash received on _____ in the amount of $ 13,300 —

from Williams Field Services

for See attached cover letter (Combines w/check #3500012211)
(Facility Name) (OP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee ___ New Facility ___ Renewal ✓

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___

THIS MULTI-TONE AREA OF THE DOCUMENT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER AREAS BOTH TOP AND BOTTOM. IT ALSO HAS A REFLECTIVE WATERMARK ON THE BACK.

Williams

WILLIAMS FIELD SERVICES COMPANY
P. O. Box 21218/Tulsa, OK 74121-1218

A/C 0400157

[redacted]

DATE: 06/26/2003

PAY TO THE ORDER OF:

PAY ****$13,300.00

WATER MANAGEMENT QUALITY MANAGEMENT FUND
C/O OIL CONSERVATION DIV
1220 S ST FRANCIS DR

SANTA FE NM 87505
United States

Bank One, NA
Illinois

Authorized Signer

[redacted]

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 7-11-03,

or cash received on _____ in the amount of $ 2,600 00

from Williams Field Services

for See attached cover letter
(Facility Name)

Submitted by: [signature] Date: 7-17-03
(DP No.)

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

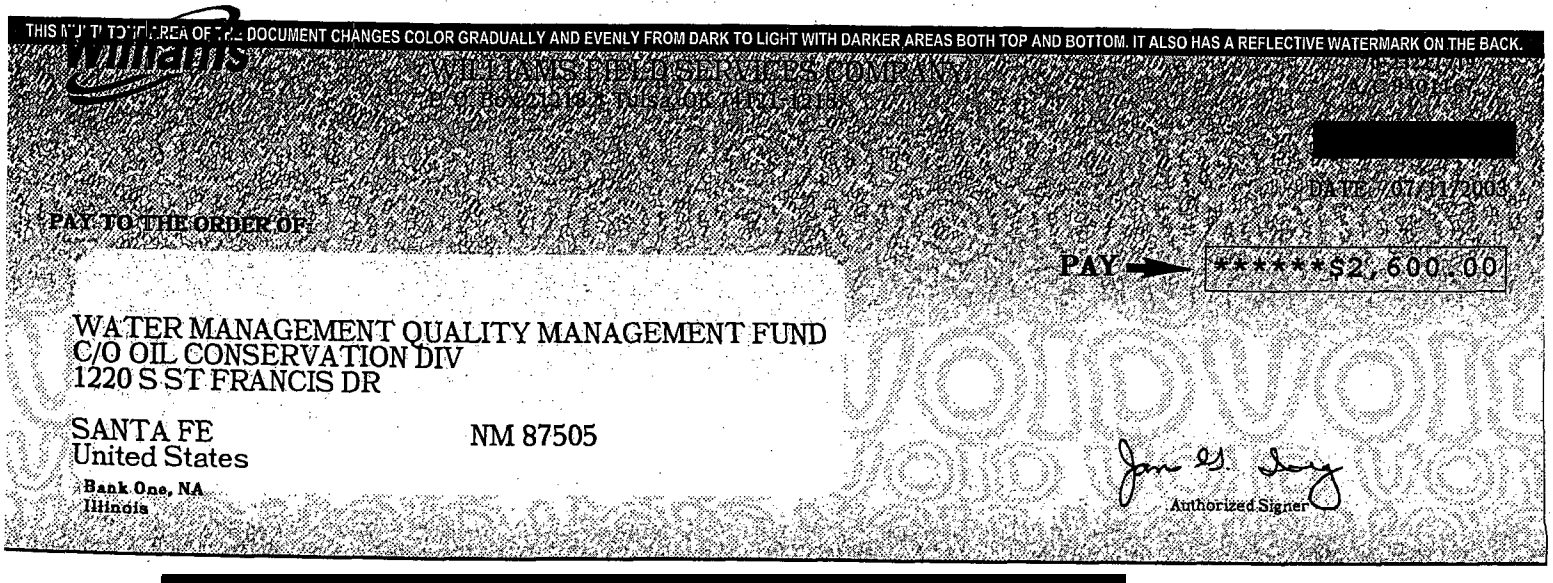
Filing Fee ___ New Facility ___ Renewal ✓

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___



[redacted]

AFFIDAVIT OF PUBLICATION

Ad No. 48168

STATE OF NEW MEXICO
County of San Juan:

CONNIE PRUITT, being duly sworn says: That she 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 meeting of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s): Monday, June 30, 2003.

And the cost of the publication is $175.39

Connie Pruitt

ON 6-30-03 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Ginny Beck

My Commission Expires April 2, 2004.

COPY OF PUBLICATION

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:

(GW-045) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Kutz Canyon Gas Processing Plant facility located in the SW/4 of Section 12, NE/4 of Section 13, SE/4 of Section 14, Township 28 North, Range 11 West, NMPM, San Juan County, New Mexico. Approximately 1 to 1.5 million gallons per year of process waste water is disposed of in an OCD approved double lined evaporation pond with leak detection. The total dissolved solids (TDS) of the waste water is approximately 1,500 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is shallow perched water with TDS concentrations ranging from 8,000 to 18,000 mg/l. Deeper ground water is at a depth of 200 feet with estimated total dissolved solids concentration ranging from 2,000 to 4,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.
(GW-129) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Crouch Mesa CDP Compressor Station located in the SE/4 NE/4 of Section 23, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 200 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.
(GW-133) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services 30-8 CDP Compressor Station located in the SW/4 SE/4 of Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 220 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.
(GW-134) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Decker Junction Compressor Station located in the NE/4 SE/4 of Section 19, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 30 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.
(GW-155) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Aztec CDP Compressor Station located

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:

(GW-296) – Flatrock Energy Partners on behalf of Raptor Gas Transmission LLC, operated by ConocoPhillips Midstream Operations, Joyce Miley, (281) 293-4498, P.O. Box 2197-Humble 3036, Houston, Texas 77252-2197, has submitted a discharge permit renewal application for the Cedar Canyon Compressor Station located in the SE/4 SE/4 of Section 9, Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico. All wastes generated will be stored in closed top receptacles prior to offsite disposal or recycling at an OCD approved site. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 50 feet with a total dissolved solids concentration of approximately 1000 mg/l. Natural gas products, waste oil and water is stored in above ground tanks prior to being transported off-site to OCD approved facilities. The discharge permit 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-143) – Flatrock Energy Partners on behalf of Raptor Gas Transmission LLC, operated by ConocoPhillips Midstream Operations, Joyce Miley, (281) 293-4498, P.O. Box 2197-Humble 3036, Houston, Texas 77252-2197, has submitted a discharge permit renewal application for the Cal-Mon Compressor Station located in the [illegible]/4 NW/4 of Section 35, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico. All wastes generated will be stored in closed top receptacles prior to offsite disposal or recycling at an OCD approved site. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 200 feet with a total dissolved solids concentration of approximately 3500 mg/l. Natural gas products, waste oil and water are stored in above ground tanks prior to being transported off-site to OCD approved facilities. The discharge permit 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-136) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services 29-7 #1 CDP Compressor Station located in the NE/4 SE/4 of Section 15, Township 29 North, Range 7 West, NMPM, Rio Arriba County, New Mexico. Approximately 5000 to 15000 gallons per year of waste water is stored in an above ground storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 50 to 200 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-149) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services El Cedro Compressor Station located in the NW/4 of Section 31, Township 29 North, Range 5 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of approximately 145 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-295) – Smith Services (formerly B & B Machine Shop), Mr. Maurice Sticker, (505) 393-4964, 1120 West Bender Blvd., Hobbs, New Mexico 88240, has submitted a discharge renewal application for the Smith Services (formerly B & B Machine Shop) Hobbs Facility located in Section 21, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico. Approximately 30 gallons per month of waste motor oils are collected in drums then transported offsite for disposal. Approximately 2 gallons per month of used solvents are recycled on site. Scrap metals are collected in barrels and transported off site for recycling. Ground water most likely to be affected in the event of an accidental discharge is at an estimated depth of 50 feet with a total dissolved solids concentration ranging from 390 to 480 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-045) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Kutz Canyon Gas Processing Plant facility located in the SW/4 of Section 12, NE/4 of Section 13, SE/4 of Section 14, Township 28 North, Range 11 West, NMPM, San Juan County, New Mexico. Approximately 1 to 1.5 million gallons per year of process waste water is disposed of in an OCD approved double lined evaporation pond with leak detection. The total dissolved solids (TDS) of the waste water is approximately 1,500 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is shallow perched water with TDS concentrations ranging from 8,000 to 18,000 mg/l. Deeper ground water is at a depth of 200 feet with estimated total dissolved solids concentration ranging from 2,000 to 4,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-129) - Williams Field Services, Michael K. Lane, (505) Ground water most likely to be affected in the event of an accidental discharge is at an estimated depth of approximately 300 feet with a total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-293) - Williams Field Services, Michael K. Lane, (505) 632-4625, 188 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge renewal application for the Williams Field Services Gallegos compressor station facility located in the NW/4 NW/4 of Section 7, Township 25 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 200 gallons per year of waste water is collected in a fiberglass storage tank then transported offsite for disposal. Ground water most likely to be affected in the event of an accidental discharge is at an estimated depth of 200 feet or more with a total dissolved solids concentration of approximately 3,700 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-133) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Crouch Mesa CDP Compressor Station located in the SE/4 NE/4 of Section 23, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 200 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-134) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services 30-8 CDP Compressor Station located in the SW/4 SE/4 of Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 220 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

June 30, 2003

Via FAX

Ms. Clara Garcia
Williams Field Services Company
188 CR 4900
Bloomfield, New Mexico 87413

RE: Corrected Flat Fee
GW- 129 Crouch Mesa CDP Compressor Station
GW-293 Gallegos Compressor Station
San Juan County, New Mexico

Dear Ms. Garcia:

The flat fee requirement stipulated in the renewal approval, dated April 21, 2003, for the Crouch Mesa CDP Compressor Station located in the SE/4 SE/4 Section 23, Township 29 North, Range 12 West, NMPM, San Juan County was in error in the cover letter accompanying the Conditions of Approval and should have read $1,700.00 instead of the quoted $400.00.

The flat fee requirement stipulated in the renewal approval, dated June 2, 2003, for the Gallegos Compressor Station located Section 7, Township 25 North, Range 10 West, NMPM, San Juan County was in error in the cover letter accompanying the Conditions of Approval and should have read $1,700.00 instead of the quoted $400.00.

The OCD wishes to thank you for bringing this error to our attention. Please correct your approval letter to the correct amount. If you have any questions contact me at (505) 476-3489.

Sincerely,

W. Jack Ford, C.P.G.
Oil Conservation Division

Cc: OCD Aztec District Office

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

April 21, 2003

Lori Wrotenbery
Director
Oil Conservation Division

Mr. Michael K. Lane
Williams Field Services Company
118 County Road 4900
Bloomfield, New Mexico 87413

RE: Discharge Plan Renewal GW-129
Williams Field Services Company
Crouch Mesa CDP Compressor Station
San Juan County, New Mexico

Dear Mr. Lane:

The ground water discharge plan renewal GW-129 for the Williams Field Services Company Crouch Mesa CDP Compressor Station located in the SE/4 NE/4 of Section 23, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. The discharge plan consists of the original application dated August 21, 1992 approved November 25, 1992, the renewal application dated March 19, 2003 and the attached stipulations of approval. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within 10 working days of receipt of this letter.**

The discharge plan renewal application was submitted pursuant to 20 NMAC 3106 of the New Mexico Water Quality Control Commission (WQCC) Regulations. It is approved pursuant to 20 NMAC 3109.A. Please note 20 NMACs 3109.E and 20NMAC 3109.F, which provide for possible future amendments or modifications of the plan. Please be advised that approval of this plan does not relieve Williams Field Services Company of liability should operations result in pollution of surface water, ground water, or the environment.

Please be advised that all exposed pits, including lined pits and open tanks (tanks exceeding 16 feet in diameter), shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

Please note that 20 NMAC 3104 of the regulations provides: "When a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to 20 NMAC

3107.C., Williams Field Services Company is required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to 20 NMAC 3109.G.4., this plan is for a period of five years. This approval will expire on **November 25, 2007**, and Williams Field Services Company should submit an application in ample time before this date. Note that under 20 NMAC 3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit the results of an underground drainage testing program as a requirement for discharge plan renewal.

The discharge plan renewal application for the Williams Field Services Company Crouch Mesa CDP Compressor Station is subject to WQCC Regulation 3114. Every billable facility submitting a renewal discharge plan application will be assessed a fee equal to the filing fee of $100 plus a flat fee of $400.00 for compressor station with less than 1,000 horsepower rating. The OCD has received the filing fee.

Please make all checks payable to: Water Management Quality Management Fund
C/o: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505.

If you have any questions please contact Mr. W. Jack Ford at (505) 476-3489. On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,

Roger C. Anderson
Chief, Environmental Bureau
Oil Conservation Division

RCA/wjf
Attachment

xc: OCD Aztec Office

ATTACHMENT TO THE DISCHARGE PLAN GW-129
WILLIAMS FIELD SERVICES COMPANY
CROUCH MESA CDP COMPRESSOR STATION
DISCHARGE PLAN APPROVAL CONDITIONS
(April 21, 2003)

1. Payment of Discharge Plan Fees: The $100.00 filing fee has been received by the OCD. The $400.00 required flat fee may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.

2. Williams Field Services Company Commitments: Williams Field Services Company will abide by all commitments submitted in the discharge plan renewal application dated March 19, 2003 and these stipulations for renewal.

3. Waste Disposal: All wastes will be disposed of at an OCD approved facility. Only oilfield exempt wastes shall be disposed of down Class II injection wells. Non-exempt oilfield wastes that are non-hazardous may be disposed of at an OCD approved facility upon proper waste characterization per 40 CFR Part 261.

4. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.

5. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.

6. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new tanks or existing tanks that undergo a major modification, as determined by the Division, must be placed within an impermeable bermed enclosure.

7. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.

8. Labeling: All tanks, drums and containers will be clearly labeled to identify their contents and other emergency notification information.

9. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. 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. The OCD will be notified at least 72 hours prior to all testing.

10. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years thereafter, or prior to discharge plan renewal. Permittees may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.

11. Class V Wells: Leach fields and other wastewater disposal systems at OCD regulated facilities which inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. All Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be closed unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. Closure of Class V wells must be in accordance with a plan approved by the Division's Santa Fe Office. The OCD allows industry to submit closure plans that are protective of human health, the environment and groundwater as defined by the WQCC, and are cost effective. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.

12. Housekeeping: All systems designed for spill collection/prevention will be inspected weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.

13. Spill Reporting: All spills/releases will be reported pursuant to OCD Rule 116 and WQCC 1203 to the OCD Aztec District Office.

14. Transfer of Discharge Plan: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.

15. Storm Water Plan: Williams Field Services Company shall maintain storm water runoff controls. As a result of Williams Field Services Company's operations any water contaminant that exceeds the WQCC standards listed in 20 NMAC 6.2.3101 is discharged in any storm water runoff then Williams Field Services Company shall notify the OCD within 24 hours, modify the plan within 15 days and submit for OCD approval. Williams Field Services Company shall also take immediate corrective actions pursuant to Item 12 of these conditions.

16. Closure: The OCD will be notified when operations of the Crouch Mesa CDP Compressor Station are discontinued for a period in excess of six months. Prior to closure of the Crouch Mesa CDP Compressor Station a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

17. Certification: Williams Field Services Company, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Williams Field Services Company further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Accepted:

WILLIAMS FIELD SERVICES COMPANY

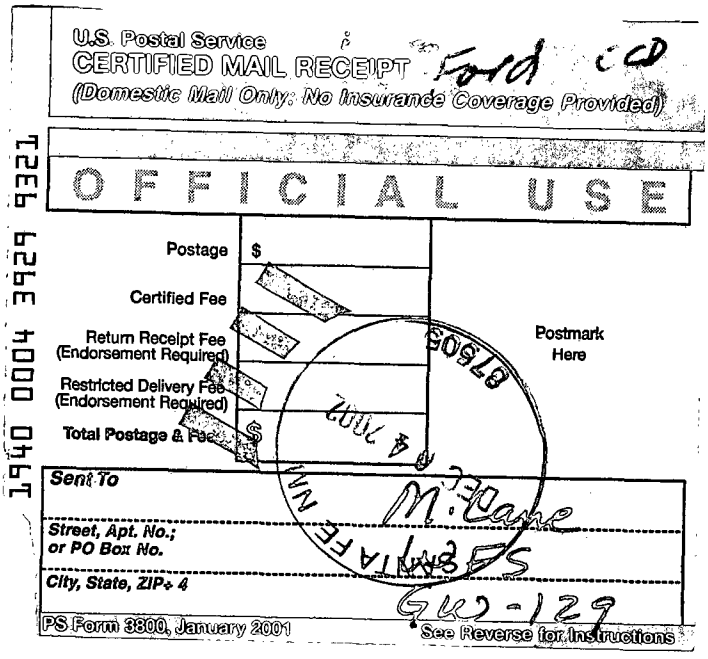
by_____
Title

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

December 3, 2002

Lori Wrotenbery
Director
Oil Conservation Division



CERTIFIED MAIL
RETURN RECEIPT NO. 3929 9321

Mr. Michael K. Lane
Williams Field Services
188 CR 4900
Bloomfield, New Mexico 87413

RE: Renewal of Discharge Plan GW-129
Crouch Mesa Compressor Station
San Juan County, New Mexico

Dear Mr. Lane:

Williams Field Services received notice via Certified Mail on July 15, 2002 that the current discharge plan GW-129 for the Crouch Mesa Compressor Station located in the NE/4 NE/4 of Section 23, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico was to expire November 25, 2002. To date the OCD has not received an application for renewal of this discharge plan.

Williams Field Services is in violation of WQCC regulation 20 NMAC 6.2.3106.F requiring that a renewal application for continued operations of this facility is to be filed with the OCD 120 days prior to expiration of the discharge plan. If Williams Field Services wishes to continue operation of the Crouch Mesa Compressor Station an application for renewal must be submitted to the OCD by December 24, 2002.

If you have any questions contact me at (505) 476-3489.

Sincerely,

W. Jack Ford, C.P.G.
Oil Conservation Division

Cc: OCD Aztec District Office

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

July 10, 2002

CERTIFIED MAIL
RETURN RECEIPT NO. 3929 9017

Mr. Mark Bareta
Williams Field Services
188 CR 4900
Bloomfield, New Mexico 87413

RE: Discharge Plan Renewal Notice for Williams Field Services Facilities

Dear Mr. Bareta:

The OCD is providing Williams Field Services a six month notice that the following discharge plans expire.

GW-129 expires 11/25/2002 – Crouch Mesa Compressor Station
GW-287 expires 11/24/2002 - Snowshoe Straddle Compressor Station

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]

The discharge plan renewal application for each of the above facilities is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of $100.00 plus a flat fee based upon the horsepower rating for gas processing facilities. The $100.00 filing fee for each facility is to be submitted with the discharge plan renewal application and is nonrefundable.

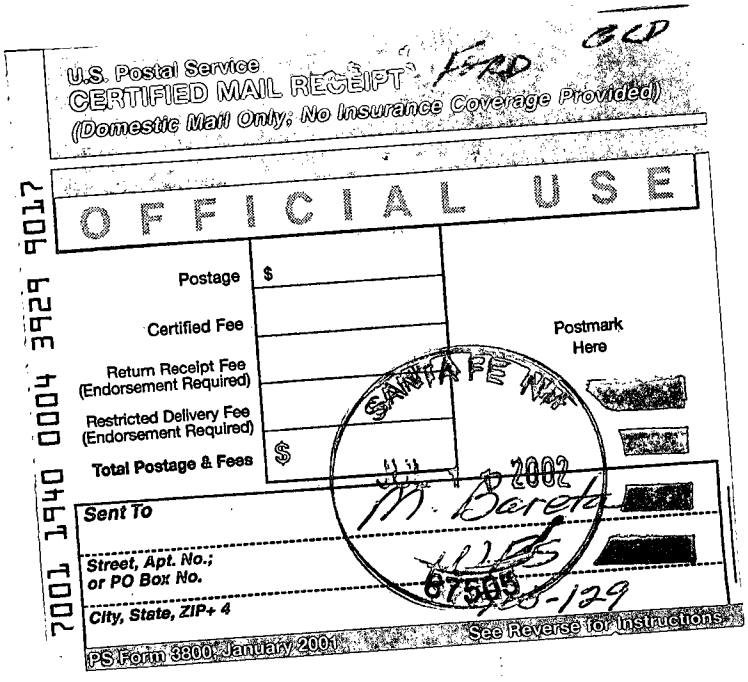
Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office. Please submit the original discharge plan renewal application and one copy to the OCD Santa Fe Office and one copy to the OCD Aztec District Office. **Note that the completed and signed application form must be submitted with your discharge plan renewal request.** (Copies of the WQCC regulations and discharge plan application form and guidelines are enclosed to aid you in preparing the renewal application. A complete copy of the regulations is also available on OCD's website at **www.emnrd.state.nm.us/ocd/**).

If any of the above sited facilities no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If the Williams Field Services has any questions, please do not hesitate to contact Mr. W. Jack Ford at (505) 476-3489.

Sincerely,

Roger C. Anderson
Oil Conservation Division

cc: OCD Aztec District Office



Work Copy

SITE NAME	DISCHARGE PLAN #	CURRENT OCD PLAN # of Units/ HP	ACTUAL INSTALLS # of Units/ HP	AQB PERMITTED # of Units/ HP
Category 4 - Current OCD Plan reflects more units than actual install; AQB permit allows additional installs				
CARRACAS CDP	GW-112	2 units/895 HP ea	1 unit/895 HP	3 units/1378 HP ea
LA COSA C.S.	GW-187	8 units/ 1185 hp ea.	1 unit/2980 hp; 1 unit/1408 hp	1 unit/2980 hp; 4 units/1408 hp ea
Category 5 - Current OCD Plan reflects actual installations; AQB permit allows additional installs				
30-5 #1CDP	GW-108	9 units/1088 HP ea.	9 units/1088 HP ea.	12 units/1374 HP ea.
30-8 CDP	GW-133	10 units/1085 HP ea	10 units/1085 HP ea	14 units/1375 HP ea
DECKER JUNCTION CDP	GW-134	10 units/895 HP ea	10 units/895 HP ea	16 units/1388 HP ea
SIMS MESA CDP	GW-68	7 units/895 HP ea OK	7 units/895 HP ea	10 units/1374 HP ea
LATERAL N-30 C.S.	GW-256	2 units/1117 HP ea	2 units/1117 HP ea	6 units/1356 HP ea
Category 6 - Current OCD Plan reflects actual installations; all AQB permitted units are installed				
29-6 #3CDP	GW-198	1 unit/1129 HP ea.	1 unit/1129 HP ea.	1 unit/1129 HP ea,
32-8 #3	GW-116	6 units; /total site HP 8178	6 units/1373 HP ea	6 units/1373 HP ea
AZTEC CDP	GW-155	12 units/1384 HP ea	12 units/1384 HP ea	12 units/1384 HP ea
HART MTN. BOOSTER C.S.	GW-208	2 units/895 HP ea	2 units/895 HP ea	2 units/1151 HP ea
KERNAGHAN STRADDLE	GW-271	2 units/895 HP ea	2 units/895 HP ea	2 units/1121 HP ea
PRITCHARD STRADDLE C.S.	GW-273	3 units/1270 HP ea	3 units/1270 HP ea	3 units/1279 HP ea
TRUNK C BOOSTER C.S	GW-257	2 units/1268 HP ea	2 units/1268 HP ea	2 units/1268 HP ea
LAGUNA SECA	GW-307	2 units/1375 HP & 1146 hp	2 units/1375 HP& 1146 hp	2 units/1232 HP ea
TRUNK G C.S.	GW-229	1 unit/1373 HP	1 unit/1373 HP	1 unit/1373 HP
NORTH CRANDELL	GW-310	1 Sup 8GTL; 1059 hp	1 Sup 8GTL; 1059 hp	1 Sup 8GTL; 1059 hp
SNOW SHOE STRADDLE	GW-287	1 Caterpilla 500 HP	1 Caterpilla 500 HP	1 Caterpilla 500 HP
5-POINTS	GW-78	1Wauk H24GL; 418 hp	1Wauk H24GL; 418 hp	1Wauk H24GL; 418 hp
GALLEGOS	GW-293	1 Wauk F18; 335 hp	1 Wauk F18; 335 hp	1 Wauk F18; 335 hp
WILD HORSE	GW-79	1 unit/540 HP	1 unit/540 HP	1 unit/538 HP
COYOTE SPRINGS	GW-250	1 unit/1367 HP	1 unit/1367 HP	1 unit/1367 HP
CROUCH MESA	GW-129	1 unit/110 HP	1 unit/110 HP	1unit/677 HP

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
JUL 29 1997
Environmental Bureau
Oil Conservation Division

Revised 2/1/9
Submit Origin
Plus 1 Copi
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District Offi

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GW-129

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: Crouch Mesa C.S.
2. Operator: Williams Field Services Company

   Address: 295 Chipeta Way P.O. Box 58900, Salt Lake City, UT 84158-0900

   Contact Person: Ingrid Deklau Phone: 801-584-6543
3. Location: NE /4 NE /4 Section 23 Township 29 North Range 12 West
   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. CERTIFICATION

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

    NAME: Ingrid Deklau Title: Senior Environmental Specialist

    Signature: Ingrid Deklau Date: 7/25/97

WILLIAMS ENERGY GROUP

FIELD SERVICES

July 25, 1997

Mr. Roger Anderson
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Discharge Plan Renewal Application and Modification
Crouch Mesa Compressor Station (GW- 129)

Dear Mr. Anderson:

Enclosed, please find the application for renewal, and a check for $50.00 to cover the application fee for the Discharge Plan Renewal of Williams Field Services' (WFS') Crouch Mesa Compressor Station.

Williams Field Services (WFS) purchased the Crouch Mesa Compressor Station, located approximately 3.5 miles west of Bloomfield, New Mexico, from the Gas Company of New Mexico (GCNM) in 1995. The following information serves as an update to the August 1992 Groundwater Discharge Plan prepared by Environmental Services, Inc. for GCNM.

I. General Information

Operator: Williams Field Services
295 Chipeta Way
P.O. Box 58900
Salt Lake City, Utah 84158-0900

Contact: Ingrid Deklau, Senior Environmental Specialist
801-584-6543

Type of Operation: The field compressor station consists of:

- One skid-mounted, 150-horsepower, 3306 Caterpillar compressor
- One dehydrator
- One suction scrubber
- One 300-gallon lube oil tank
- One 60-barrel tank, collects liquids from the suction scrubber and dehydrator
- A methanol injection system, including one 196-gallon methanol tank, was located on the site at the time of purchase. WFS has never had the system in service, and will be removing the equipment from the site.

A mark-up copy of the site diagram currently being drafted is included as an attachment to this letter. I will forward a copy of the final draft once it is completed.

II. Facility Site Landowner Information
Bureau of Land Management
1235 Laplata Highway
Farmington, NM 87401
505-599-8900

III. Plant Processes
Plant processes are operated as discussed in the 1992 plan for the equipment listed in section I above, except that WFS personnel are responsible for operations. The entire site is not bermed; the 1992 GCNM plan states that the entire site will be bermed. The site is visited daily by WFS personnel.

IV. Effluent Disposal
As stated in the 1992 plan, all effluents from this site will be handled in accordance with OCD and NMED regulations. Effluents generated from the suction scrubber and dehydrator at this site are discharged into the 60-barrel storage tank. The 60-barrel tank is owned by Texaco. Texaco is responsible for removing the liquids from the site and for their ultimate disposal.

V. Other Information
Underground Process/Wastewater Lines: There are no underground lines at this facility.

Above Ground Tanks: There are two above ground tanks located at the facility. Each is equipped with containment capacity of at least one-third more than the volume of the tank.

- The 300-gallon lube oil tank sits in a galvanized steel containment berm.
- The 60-barrel tank (owned by Texaco) is equipped with an earthen berm.

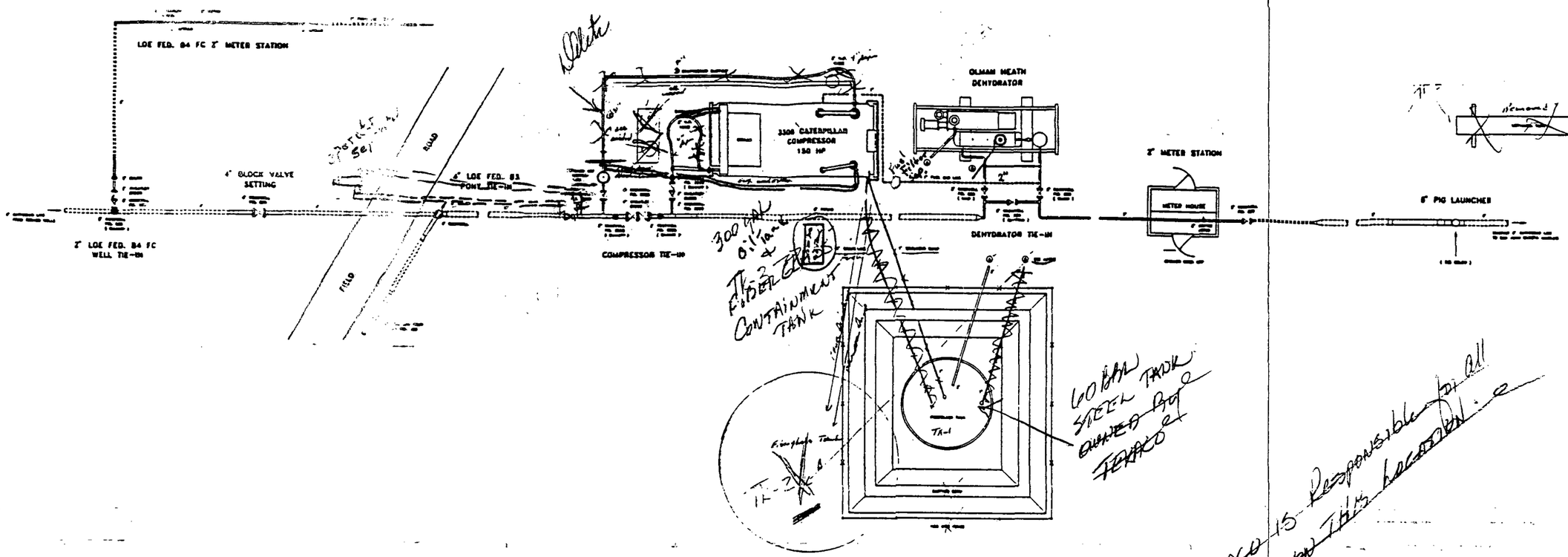
If you have any questions or require additional information, please do not hesitate to contact me at (801) 584-6543. Your assistance in handling these matters is appreciated.

Sincerely,

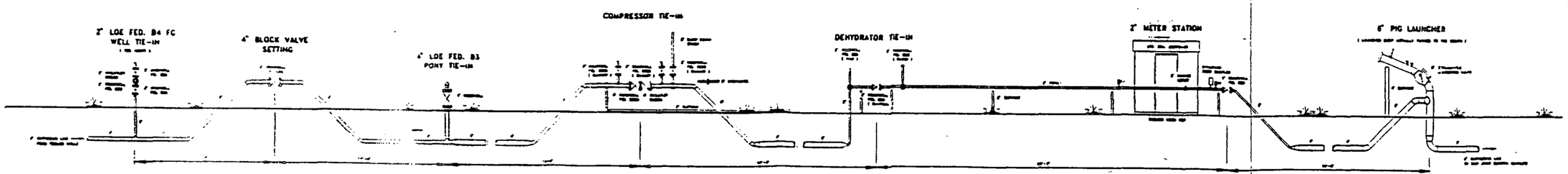
Ingrid A. Deklau
Sr. Environmental Specialist

xc: Denny Foust, OCD Aztec District Office

enclosure



PIPING TOP/PLAN VIEW



PIPING ELEVATION VIEW

(INSTALLED NOVEMBER 1992)

N.E. 1/4 SEC. 23, TWP. 29-N, RGE. 12-W, SAN JUAN COUNTY, N.M.

GAS Company of New Mexico

CROUCH MESA COMPRESSOR
AS-BUILT DRAWING

CROUCH MESA

1 of 1 | 001 | 0

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

November 5, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. P-176-013-376

Mr. H. Lee Bauerle
Williams Field Services
295 Chipeta Way
P.O. Box 58900
Salt Lake City, Utah 84158-0900

RE: Discharge Plan GW-129 Renewal
Crouch Mesa Compressor Station
San Juan County, New Mexico

Dear Mr. Bauerle:

The ground water discharge plan GW-129, for the Crouch Mesa Compressor Station located in the NE/4 NE/4 of Section 23, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. The discharge plan consists of the original discharge plan as approved December 1, 1992, and the discharge plan renewal application dated July 25, 1997. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within 10 working days of receipt of this letter.**

The discharge plan was submitted pursuant to Section 3106 of the New Mexico Water Quality Control Commission (WQCC) Regulations. It is approved pursuant to Section 3109.A. Please note Sections 3109.E and 3109.F., which provide for possible future amendments or modifications of the plan. Please be advised that approval of this plan does not relieve Williams Field Services of liability should operations result in pollution of surface water, ground water, or the environment.

Please be advised that all exposed pits, including lined pits and open tanks (tanks exceeding 16 feet in diameter), shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

Please note that Section 3104 of the regulations require "When a facility has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3107.C. Williams Field Services is required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3109.G.4., this plan is for a period of five years. This approval will expire on November 30, 2002, and Williams Field Services should submit an application in ample time before this date. Note that under Section 3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit the results of an underground drainage testing program as a requirement for discharge plan renewal.

The discharge plan renewal application for the Williams Field Services Crouch Mesa Compressor Station is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of $50 plus a flat fee equal to one-half of the original flat fee if greater than 1,000 horsepower for compressor stations. No flat fee is required if less than 1,000 horsepower. The OCD has received the filing fee.

On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,

William J. LeMay
Director

WJL/wjf
Attachment

xc: OCD Aztec Office

ATTACHMENT TO THE DISCHARGE PLAN GW-129 RENEWAL
WILLIAMS FIELD SERVICES
CROUCH MESA COMPRESSOR STATION
DISCHARGE PLAN APPROVAL CONDITIONS
(November 6, 1997)

1. Payment of Discharge Plan Renewal Fees: The $50.00 filing fee has been received. A flat fee for compressor stations is not required for installations of less than 1,000 horsepower.

2. Williams Commitments: Williams Field Services will abide by all commitments submitted in the discharge plan application dated July 25, 1997.

3. Waste Disposal: All wastes shall be disposed of at an OCD approved facility. Only oilfield exempt wastes shall be disposed of down Class II injection wells. Non-exempt oilfield wastes that are non-hazardous by characteristics may be disposed of at an OCD approved facility upon proper waste characterization per 40 CFR Part 261.

4. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.

5. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.

6. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new facilities or modifications to existing facilities must place the tank on an impermeable type pad within the berm.

7. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.

8. Labeling: All tanks, drums and containers should be clearly labeled to identify their contents and other emergency information necessary if they were to rupture, spill, or ignite.

9. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. 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. The OCD will be notified at least 72 hours prior to all testing.

10. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years thereafter, or prior to discharge plan renewal. Permittees may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.

11. Class V Wells: Leach fields and other wastewater disposal systems at OCD regulated facilities which inject fluid other than domestic waste sewage below the surface are considered Class V injection wells under the EPA UIC program. All class V wells will be closed unless, it can be demonstrated that protectable groundwater will not be impacted in the reasonably foreseeable future. Class V wells must be closed through the Santa Fe Office. The OCD allows industry to submit closure plans which are protective of human health, environment and groundwater as defined by the WQCC, and are cost effective.

12. Housekeeping: All systems designed for spill collection/prevention should be inspected to ensure proper operation and to prevent overtopping or system failure.

13. Spill Reporting: All spills/releases shall be reported pursuant to OCD Rule 116 and WQCC 1203 to the OCD Aztec District Office.

14. Transfer of Discharge Plan: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.

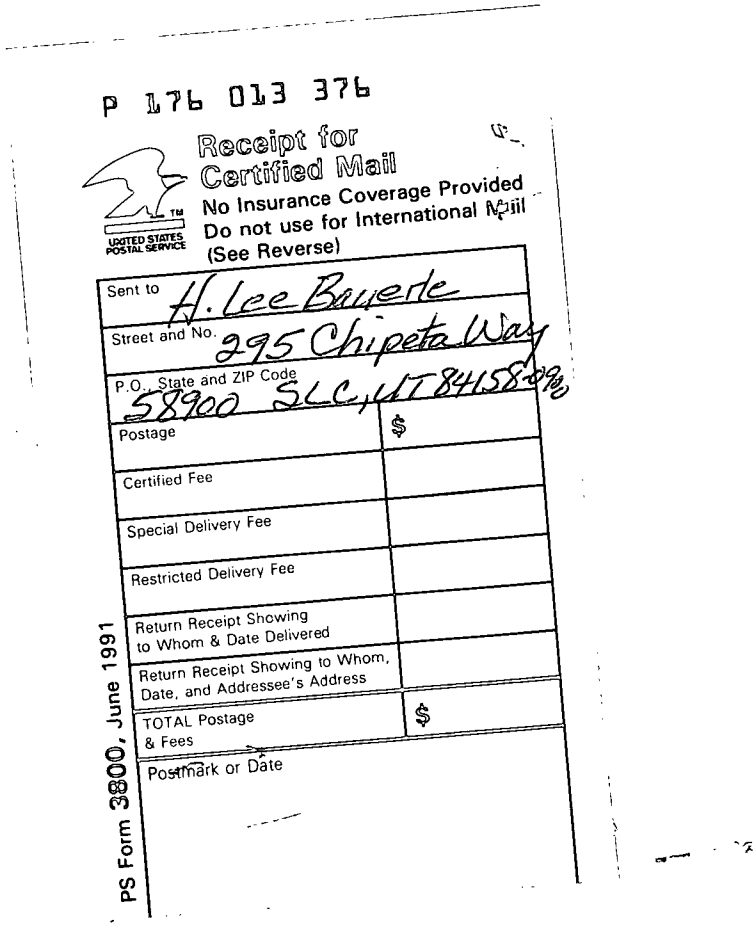
15. Closure: The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

16. Certification: Williams Field Services, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Williams Field Services further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Accepted:

WILLIAMS FIELD SERVICES

by_____
Title



P 176 013 376

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

UNITED STATES POSTAL SERVICE

Sent to H. Lee Bauerle
Street and No. 295 Chipeta Way
P.O., State and ZIP Code 58900 SLC, UT 84158-09

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$

Postmark or Date

PS Form 3800, June 1991

AFFIDAVIT OF PUBLICATION

No. 38326

STATE OF NEW MEXICO
County of San Juan:

DENISE H. HENSON being duly sworn says: That she 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):

Wednesday, August 6, 1997;

and the cost of publication is: $67.38.

Denise H. Henson

On 8-6-97 DENISE H. HENSON appeared before me, whom I know personally to be the person who signed the above document.

Reese Nelson

My Commission Expires November 1, 2000

OK AW 8-20-97

COPY OF PUBLICATION

REGION

Legals

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, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-129) - Williams Field Services Company, Ms. Ingrid Deklau, (801)-584-6543, 295 Chipeta Way, P.O. Box 58900, Salt Lake City, UT, 84158-0900, has submitted a Discharge Plan Renewal Application for their Crouch Mesa facility located in the NE/4 NE/4, Section 23, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 252 feet with a total dissolved solids concentration of approximately 1,500 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface 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. The Discharge plan renewal 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 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 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 discharge plan application and information submitted at the hearing.

GIVEN under the Seal of NEw Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 29th day of July, 1997.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
/s/ William J. Lemay
WILLIAM J. LEMAY, DIRECTOR

WJL/pws

SEAL

Legal No. 38326 published in The Daily Times, Farmington, New Mexico on Wednesday, August 6, 1997.

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 30, *1997*

FARMINGTON DAILY TIMES
P. O. Box 450
Farmington, New Mexico 87401

ATTN: ADVERTISING MANAGER

RE: NOTICE OF PUBLICATION

Dear Sir/Madam:

Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

Immediately upon completion of publication, please send the following to this office:

1. ***Publisher's affidavit in duplicate.***
2. ***Statement of cost (also in duplicate.)***
3. ***CERTIFIED invoices for prompt payment.***

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice no later than August 6, *1997.*

Sincerely,

Sally E. Martinez
Sally E. Martinez
Administrative Secretary

Attachment

PS Form 3800, March 1993

Postmark or Date	
TOTAL Postage & Fees	$
Return Receipt Showing to Whom, Date, and Addressee's Address	
Return Receipt Showing to Whom & Date Delivered	
Restricted Delivery Fee	
Special Delivery Fee	
Certified Fee	
Postage	$
Sent to	Farmington Daily Times
Street and No. or P.O. Box No.	P.O. Box 450
P.O. State and ZIP Code	Farmington, NM 87401

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Z 765 962 232

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 30, *1997*

THE NEW MEXICAN
202 E. Marcy
Santa Fe, New Mexico 87501

RE: NOTICE OF PUBLICATION

PO #96-199-002997

ATTN: Betsy Perner

Dear Sir/Madam:

Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

Immediately upon completion of publication, please send the following to this office:

1. *Publisher's affidavit.*
2. *Invoices for prompt payment.*

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice on Monday, August 4, *1997.*

Sincerely,

Sally Martinez

Sally E. Martinez
Administrative Secretary

Attachment

NOTICE OF PUBLICATION

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

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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 renewal 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 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 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 discharge plan application and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 29th day of July, 1997.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

WILLIAM J. LEMAY, Director

WJL/pws

The Santa Fe New Mexican

Since 1849. We Read You.

NM OIL DIVISION
ATTN: SALLY MARTINEZ
2040 S. PACHECO ST.
SANTA FE, NM 87505

AD NUMBER: 674961 ACCOUNT: 56689

LEGAL NO: 62132 P.O. #: 96-199-002997

168 LINES ONCE at $ 67.20

Affidavits: 5.25

Tax: 4.53

Total: $ 76.98

NOTICE OF PUBLICATION

STATE OF NEW MEXICO

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 29th day of July 1997.

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

Legal #62132
Pub. August 4, 1997

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, BETSY PERNER being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily news paper 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 # 62132 a copy of which is hereto attached was published in said newspaper once each WEEK for ONE consecutive week(s) and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 4 day of AUGUST 1997 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ Betsy Perner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 4 day of AUGUST A.D., 1997

OK NM 8-14-97

Notary Laura E. Harding
Commission Expires 11/23/99

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
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 29th day of July, 1997.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY, Director

WJL/pws

NO EFFECT FINDING
The described action will have no effect on listed species, wetlands, or other important wildlife resources.
Date SEAL 8/4/97
Consultation # GWOCD 97-1
Approved by [signature] acting
U.S. FISH and WILDLIFE SERVICE
NEW MEXICO ECOLOGICAL SERVICES FIELD OFFICE
ALBUQUERQUE, NEW MEXICO

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 7/21/97

or cash received on _____ in the amount of $ 50.00

from Williams Field Services

for Crouch Mesa C.S. GW-129
(Facility Name) (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: R. Chavez Date: 7/31/97

Received in ASD by: _____ Date: _____

Filing Fee X New Facility ___ Renewal ___

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 98

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

WILLIAMS FIELD SERVICES COMPANY
ONE OF THE WILLIAMS COMPANIES

P. O. Box 58900
Salt Lake City, Utah 84158-0900

Chase Manhattan Bank Delaware
1201 Market Street
Wilmington DE 19801

62-26
311

5736-09

DATE	CHECK NO.	NET AMOUNT
07/21/97	[redacted]	50.00

PAY
FIFTY AND 00/100----------

TO THE ORDER OF NMED-WATER QUALITY MANAGEMENT
2040 SO. PACHECO
SANTA FE NM 87505

Mary Jane Battick
TREASURER

[redacted]

Williams Field Services Company

2289 NMED-WATER QUALITY MANAGEMENT [redacted] 07/21/97

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
GW-129		05/19/97	50.00	0.00	50.00
			50.00	0.00	50.00

PLEASE DETACH BEFORE DEPOSITING

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
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 29th day of July, 1997.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

WILLIAM J. LEMAY, Director

WJL/pws

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
JUL 29 1997
Environmental Bureau
Oil Conservation Division

Revised 2/1/9
Submit Origin
Plus 1 Copi
to Santa F
1 Copy to appropria
District Offi

File Copy GW-129

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: Crouch Mesa C.S.
2. Operator: Williams Field Services Company

   Address: 295 Chipeta Way P.O. Box 58900, Salt Lake City, UT 84158-0900

   Contact Person: Ingrid Deklau Phone: 801-584-6543
3. Location: NE /4 NE /4 Section 23 Township 29 North Range 12 West
   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. CERTIFICATION

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

    NAME: Ingrid Deklau Title: Senior Environmental Specialist

    Signature: Ingrid Deklau Date: 7/25/97

WILLIAMS ENERGY GROUP

FIELD SERVICES

July 25, 1997

Mr. Roger Anderson
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Discharge Plan Renewal Application and Modification
Crouch Mesa Compressor Station (GW- 129)

Dear Mr. Anderson:

Enclosed, please find the application for renewal, and a check for $50.00 to cover the application fee for the Discharge Plan Renewal of Williams Field Services' (WFS') Crouch Mesa Compressor Station.

Williams Field Services (WFS) purchased the Crouch Mesa Compressor Station, located approximately 3.5 miles west of Bloomfield, New Mexico, from the Gas Company of New Mexico (GCNM) in 1995. The following information serves as an update to the August 1992 Groundwater Discharge Plan prepared by Environmental Services, Inc. for GCNM.

I. General Information

Operator: Williams Field Services
295 Chipeta Way
P.O. Box 58900
Salt Lake City, Utah 84158-0900

Contact: Ingrid Deklau, Senior Environmental Specialist
801-584-6543

Type of Operation: The field compressor station consists of:

- One skid-mounted, 150-horsepower, 3306 Caterpillar compressor
- One dehydrator
- One suction scrubber
- One 300-gallon lube oil tank
- One 60-barrel tank, collects liquids from the suction scrubber and dehydrator
- A methanol injection system, including one 196-gallon methanol tank, was located on the site at the time of purchase. WFS has never had the system in service, and will be removing the equipment from the site.

A mark-up copy of the site diagram currently being drafted is included as an attachment to this letter. I will forward a copy of the final draft once it is completed.

II. Facility Site Landowner Information
Bureau of Land Management
1235 Laplata Highway
Farmington, NM 87401
505-599-8900

III. Plant Processes
Plant processes are operated as discussed in the 1992 plan for the equipment listed in section I above, except that WFS personnel are responsible for operations. The entire site is not bermed; the 1992 GCNM plan states that the entire site will be bermed. The site is visited daily by WFS personnel.

IV. Effluent Disposal
As stated in the 1992 plan, all effluents from this site will be handled in accordance with OCD and NMED regulations. Effluents generated from the suction scrubber and dehydrator at this site are discharged into the 60-barrel storage tank. The 60-barrel tank is owned by Texaco. Texaco is responsible for removing the liquids from the site and for their ultimate disposal.

V. Other Information
Underground Process/Wastewater Lines: There are no underground lines at this facility.

Above Ground Tanks: There are two above ground tanks located at the facility. Each is equipped with containment capacity of at least one-third more than the volume of the tank.

- The 300-gallon lube oil tank sits in a galvanized steel containment berm.
- The 60-barrel tank (owned by Texaco) is equipped with an earthen berm.

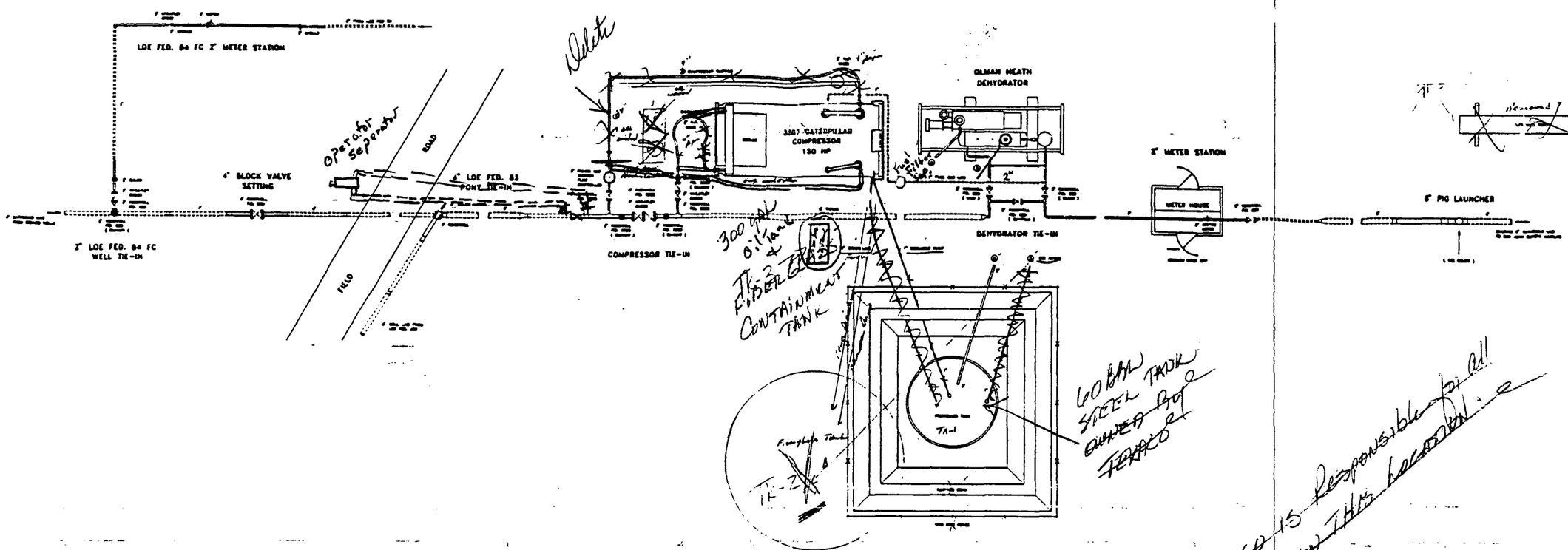
If you have any questions or require additional information, please do not hesitate to contact me at (801) 584-6543. Your assistance in handling these matters is appreciated.

Sincerely,

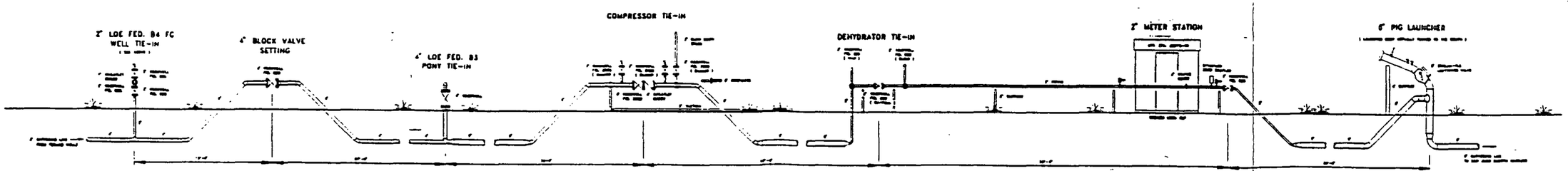
Ingrid A. Deklau
Sr. Environmental Specialist

xc: Denny Foust, OCD Aztec District Office

enclosure



PIPING TOP/PLAN VIEW



PIPING ELEVATION VIEW

(INSTALLED NOVEMBER 1992)

N.E. 1/4 SEC. 23, TWP. 29-N, RGE. 12-W, SAN JUAN COUNTY, N.M.

GAS Company of New Mexico

CROUCH MESA COMPRESSOR
AS-BUILT DRAWING

CROUCH MESA

1 = 1 | 001 | 0

Williams Field Services Company

2289 NMED-WATER QUALITY MANAGEMENT [redacted] 07/21/97

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
GW-129		05/19/97	50.00	0.00	50.00
			50.00	0.00	50.00

PLEASE DETACH BEFORE DEPOSITING

WILLIAMS FIELD SERVICES COMPANY
ONE OF THE WILLIAMS COMPANIES

P. O. Box 58900
Salt Lake City, Utah 84158-0900

Chase Manhattan Bank Delaware
1201 Market Street
Wilmington DE 19801

62-26
311

5736-09

DATE	CHECK NO.	NET AMOUNT
07/21/97	[redacted]	50.00

PAY
FIFTY AND 00/100----------

TO THE ORDER OF
NMED-WATER QUALITY MANAGEMENT
2040 SO. PACHECO
SANTA FE NM 87505

Mary Jane Bittick
TREASURER

[redacted]

RECEIVED
JUL 29 1997
Environmental Bureau
Oil Conservation Division

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

May 19, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. P-410-431-385

Mr. H. Lee Bauerle
Williams Field Services
295 Chipeta Way
P.O. Box 58900
Salt Lake City, Utah 84158-0900

RE: Discharge Plan GW-129 Renewal
Crouch Mesa C.S.
San Juan County, New Mexico

Dear Mr. Bauerle:

On December 1, 1992, the groundwater discharge plan, GW-129, for the **Crouch Mesa C.S. Compressor Station** located in the NE/4 NE/4, Section 23, Township 29 North, Range 12 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 November 25, 1997.**

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. **If Williams Field Services submits an application for renewal at least 120 days before the discharge plan expires (on or before July 25, 1997), then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved.** The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several weeks to 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.

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.(Copies of the WQCC regulations and discharge plan application form and guidelines have been provided to Williams Field Services in the past. If you require copies of these items notify the OCD at (505)-827-7152. A complete copy of the regulations is also available on OCD's website at www.emnrd.state.nm.us/ocd/)

The discharge plan renewal application for the Crouch Mesa Compressor Station is subject to the WQCC Regulations 3114 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. There is no flat fee for compressor stations that are less than 1,000 Horsepower.

The fifty ($50) dollar filing fee is to be submitted with discharge plan renewal application and is nonrefundable. Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

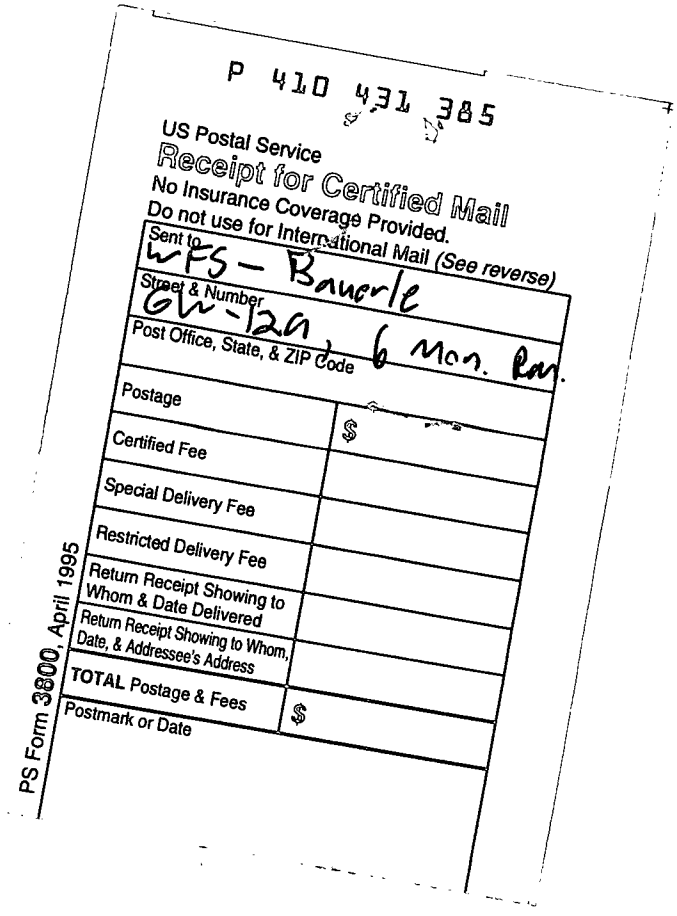
If you no longer have any actual or potential discharges a discharge plan is not needed, please notify this office. If you have any questions regarding this matter, please do not hesitate to contact Pat Sanchez at (505) 827-7156.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

RCA/pws

c: Aztec OCD District Office



WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

P.O. Box 58900
Salt Lake City, UT 84158-0900
(801) 584-7033
FAX: (801) 584-6483

May 31, 1995

Mr. Roger Anderson
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87504

Dear Mr. Anderson:

This letter is to notify you that the ownership of the following Sunterra Gas Processing Co. and Gas Company of New Mexico Facilities will be transferred to Williams Field Services (WFS) on or before July 1, 1995:

1. Avalon Natural Gasoline Plant (GW-24);
2. Five Points Compressor Station (GW-78);
3. Wild Horse Compressor Station (GW-79);
4. Indian Hills Purification Plant GW-42);
5. Crouch Mesa Compressor Station GW-129);
6. Kutz Canyon Processing Plant (GW-45); and
7. Lybrook Processing Plant (GW-47).

WFS has received copies of the discharge plans for the above referenced facilities. WFS has reviewed the plans and agrees to abide by the provisions and requirements of each plan.

The following changes apply to all seven (7) discharge plans.

Legally Responsible Party:
Williams Field Services
P.O. Box 58900, M.S. 2G1
Salt Lake City, Utah 84158-0900
(801) 584-6543

Contact Person:
Ms. Leigh E. Gooding, Environmental Specialist
Phone and Address, Same as Above

If you have any questions or require additional information, please do not hesitate to contact me at (801) 584-6543.

Sincerely,

Rob M. Hawksworth
Director, Shared Services

cc: Denny Foust, OCD District III Office

Discharge Plan
for
Crouch Mesa Compressor Station

GW-129

Fri, Aug 21, 1992

Prepared for

Gas Company of New Mexico
Alvarado Square, MS 2512
Albuquerque,NM 87125
(505) 848-4504

Prepared by
Environmental Services, Inc
5971 Jefferson NE
Suite 104
Albuquerque, NM 87109

Gas Company of New Mexico
Crouch Mesa Compressor Station
Discharge Plan

This Discharge Plan has been prepared in accordance with Oil Conservation Division "Guidelines for the Preparation of Ground Water Discharge Plans at Natural Gas Processing Plants" and the New Mexico Water Quality Control Commission regulations 3-104 and 3-106.

I General Information

Gas Company of New Mexico proposes to construct a small natural gas compressor at Crouch Mesa Compressor Station, located approximately 3.5 miles west of Bloomfield, NM.

Gas Company proposes to install a single 110 hp (derated) Caterpillar compressor model 3306 NA HCR, package serial number 7Y1685. A fiberglass above-grade storage tank and a small dehydrator will also be located at the site.

All spills, leaks and discharges from this site will be handled in accordance with OCD regulations, customary practices, and common sense.

The proposed start-up date for this compressor is August 31, 1992.

Discharger:	Gas Company of New Mexico Alvarado Square, MS 2512 Albuquerque, NM 87125 (505) 848-4504
Local representative:	Gas Company of New Mexico P.O. Box 1899 Bloomfield, NM 87413

	Attention: Sam Mohler (505) 632-3311
Location of discharge:	Section 23, T 29 N, R 12 W; San Juan County, NM UTM Zone 12; 762385mE; 4067154mN (see Fig. 1).
Type of operation:	The proposed installation is a field compressor station consisting of • a 110-horsepower (derated) compressor • an above-grade, fiberglass tank • a dehydrator • a suction scrubber

The entire site will be bermed. Discharges from each of these components of the site are discussed separately in Section II of this application. A site plan is attached (see Fig. 2).

II Plant Processes

Effluent Sources, Characteristics and Handling

Compressor	A 110-horsepower (derated) compressor will be installed on the site. The compressor is mounted on an econo-skid consisting of a built-in compressor pad with a non-permeable tray beneath the compressor to contain spills. The econo-skid will insure containment of drips, spills, and washdown water from the unit.

GCNM is responsible for maintenance of its compressor and for removal of waste lube oil. Waste oil generated by the compressor will be hauled from the site in accordance with OCD regulations.

Berm

The entire compressor site will be bermed to contain any spills or leaks from the compressor or any related activities. The berm will be constructed to contain at least one and one-third times the volume of the fiberglass tank.

Suction Scrubber

A suction scrubber will be located on the inlet side of the compressor. The volume of liquid from the suction scrubber is expected to be very small, and will discharge to the fiberglass tank.

Dehydrator

A dehydrator will be located to the east of the compressor, off of the dehydrator tie in. The liquid from the dehydrator will discharge into the fiberglass tank via a 1" dump line directly from the dehydrator.

Fiberglass Tank

An above-grade fiberglass drain tank will be installed inside the site. The 1" dump line to drain from the dehydrator and the compressor to the fiberglass tank will also be above-grade.

The tank will be six feet in diameter, four feet deep, with a capacity of approximately

821 gallons (see Fig. 3). Water from the dehydrator, the scrubber and the compressor will be drained into the fiberglass tank as needed for proper operation of the site. It is expected that the maximum rate of accumulation of water in this tank will be less than ten barrels per month.

This water is expected to be saline water contaminated with small quantities of hydrocarbons and ethylene glycol and will be removed from the fiberglass tank for OCD-approved disposal as necessary.

Effluent Handling and Site Housekeeping

This site will be visited daily by a Gas Company of New Mexico employee. Leaks, spills and drips will be handled in accordance with OCD rule 116 as follows:

- Small spills will be absorbed with soil and shoveled into drums for off-site disposal by an OCD approved disposal contractor.

- Large spills will be contained with temporary berms. Free liquids will be pumped into drums. Contaminated soil will be shoveled into drums for off-site disposal by an OCD-approved disposal contractor.

- Verbal and written notification of leaks or spills will be made to OCD in accordance with rule 116.

- All areas identified during operation as susceptible to leaks or spills will be paved, bermed or otherwise contained to prevent the discharge of any effluents.

III Effluent Disposal

All effluents from this site will be handled in accordance with OCD and NMED regulations. Effluents from this site are expected to be discharged into the above-grade fiberglass tank. Any effluent which needs to be disposed of will be removed from the site by GCNM. All effluents will be recycled if possible. Effluents which cannot be recycled, such as contaminated soil, will be disposed of properly.

Any recycling and disposal contractors used by GCNM, will be approved by the New Mexico Environment Department or Oil Conservation Division, as appropriate, for the hauling and final disposition of effluents.

GCNM presently has the following hauling/disposal contracts:

Accumulated Water

Hauling:

C&J Trucking
P.O. Box 1246
Farmington, NM 87499

Disposal:

Basin Disposal Co.
6 C.R. 5046
Bloomfield, NM 87413

IV Site Characteristics

The Crouch Mesa site is located approximately 3.5 miles west of Bloomfield, NM at an elevation 5660 feet above mean sea level. All installations at this site will be above-grade and bermed to prevent the discharge of any effluents. The proposed compressor site is located on a mesa and is not expected to be affected by flooding.

The nearest watercourse to the Crouch Mesa site is the Citizen's Ditch, which is approximately 3/10 of a mile west of the proposed site. The Citizen's ditch runs south, and discharges into the San Juan River. The San Juan River is located approximately 1 mile south of the Crouch Mesa site.

The exact geology of the proposed compressor site is unknown, although some wells drilled in the region have encountered shales, gravel and sandstone.

Appendix A includes information on the Total Dissolved Solids and depth to groundwater for wells in the vicinity of the proposed compressor station site. This information was acquired from the State Engineer's office and from well information from "Hydrogeology and Water Resources of San Juan Basin, New Mexico", by W. J. Stone et. al, NMIMT 1983.

According to these sources, the calculated average elevation of the water table in the region is 5407 feet above mean sea level ($\pm \approx 40$ ft). The elevation of the proposed Crouch Mesa site is 5660 feet MSL. Therefore, the calculated depth to the water table at the proposed site is approximately 252 feet as shown here:

Crouch Mesa elevation	5660 ft MSL
Local average water table	– 5407 ft MSL
Depth to water table	252 ft

The average Total Dissolved Solids of the wells for which information was available is 1489 ppm.

Affirmation

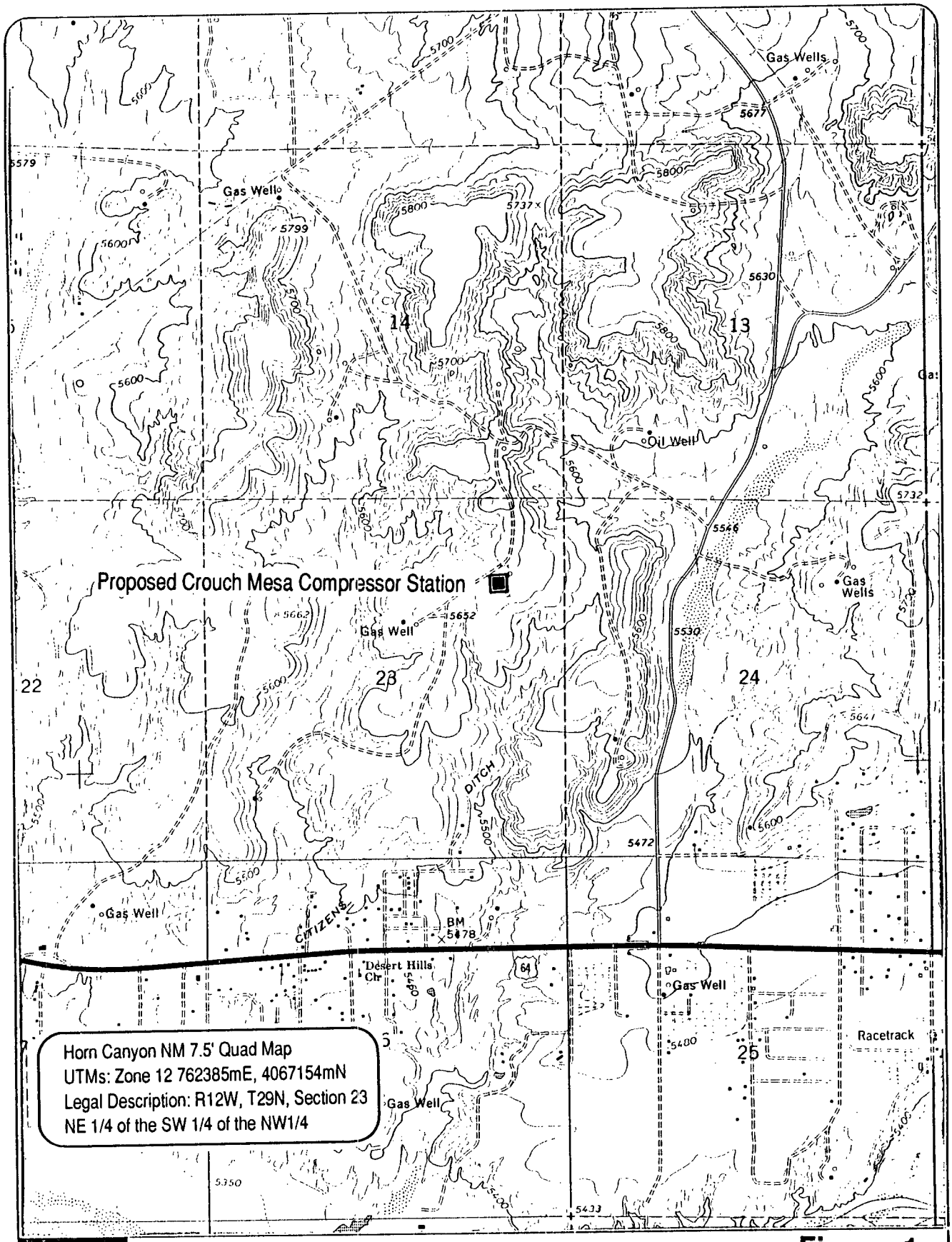
I hereby certify that I am familiar with the information contained in and submitted with this discharge plan for Crouch Mesa Compressor Station and that such information is true, accurate and complete to the best of my knowledge and belief.

Signature

8-21-92

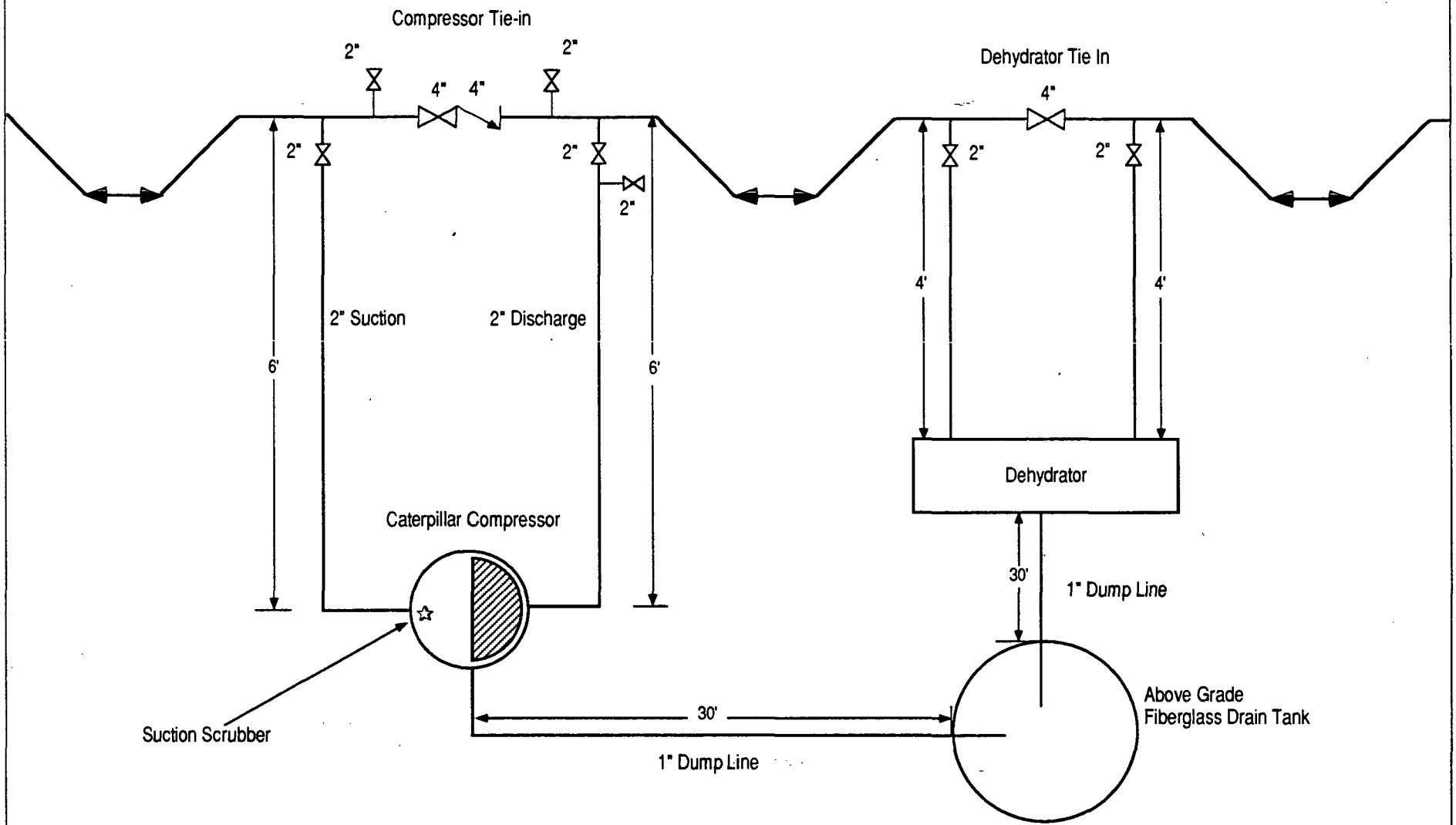
Date

Sam Mohler, Compressor Operations Supervisor



ES01

Figure 1
Proposed Location of the Crouch Mesa Compressor Station



ES-1

N

Not to Scale

Figure 2

Proposed Crouch Mesa Compressor Schematic

Figure 3
Equations for Figuring Tank Volume

Tank Size	6 ft. diameter x 4 ft. depth
Area	$\mathbf{A = \pi r^2}$
	$= \pi (3\ ft)^2$
	$= \pi (9\ ft^2)$
	$= 28.274\ ft^2$
Volume	$\mathbf{V = A \times d}$
	$= 28.274\ ft^2 \times 4ft$
	$= 113.097\ ft^3$
Conversion to Gallons	$\mathbf{ft^3 \div 0.1377\ (gal/ft^3)}$
	$= 113.097\ ft^3 \div 0.1377(1\ gal/ft^3)$
	$= 821.33$ gallons

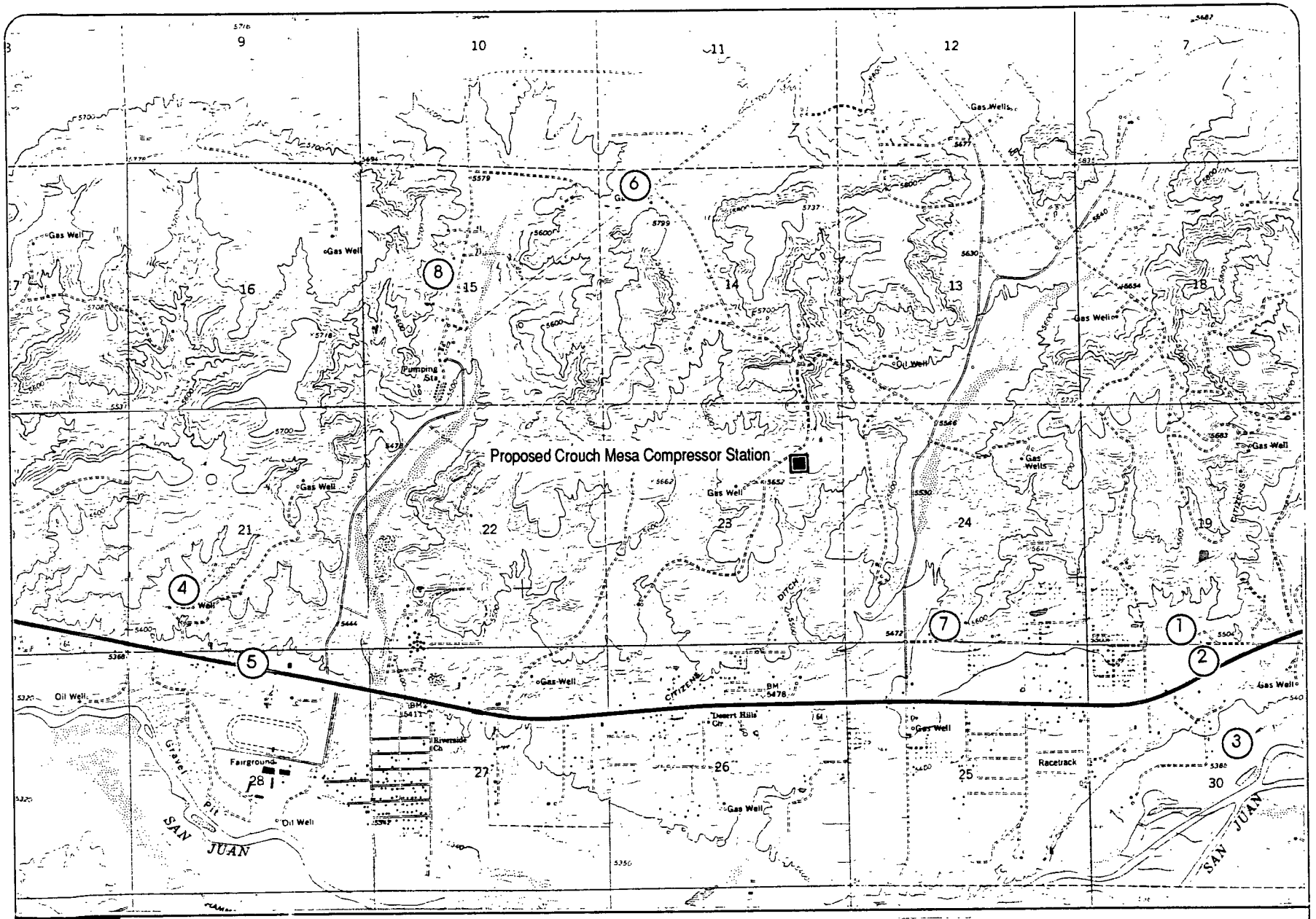


Figure 4
Map of Wells in the Vicinity

Environmental Services Inc • 5971 Jefferson NE • Suite 104 • Albuquerque NM 87109 • 505 345 3900

Appendix A

Well No	Date Drilled	T	R	Sec	Location	Elevation	Depth	Calculated Elevation of Water Table	Micromho	TDS
1	4/9/68	29 N	11W	19	0.344	5470	17.8	5452.2	2790	1953
2	4/9/68	29 N	11W	30	0.211	5465	43	5422	748	523.6
3	4/9/68	29 N	11W	30	0.233	5390	8.8	5381.2	886	620.2
4	3/15/74	29 N	12W	21	0.3				4090	2863
5	11/7/74	29 N	12W	28	0.2111	5392	18.8	5373.2		
6	12/28/77	29 N	12W	14	NW1/4 NW 1/4	5395				
7	7/20/77	29 N	12W	24	0.34					
8	12/4/81	29 N	12W	15	SE1/4 SW1/4 NW1/4	5560				

Average Elevation	5407.15	**Average TDS**	1489.95

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to Water (feet)	Date	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Drawdown (feet)	Discharge (gal/min)	Duration (hours)	Remarks
29.09.17.241	364341 1074745	Lyle Anderson	-	5,725	-	-	-	Tn	8,210 *	04-03-68	-	-	-	-	-	Scheduled 1968.
29.09.17.2411	364345 1074749	L. G. Anderson	119	5,720	84.5	10-02-74	99-119	Tn	2,700	10-02-74	-	-	-	-	-	Drilled 1973.
29.09.17.324*	364322 1074808	U.S. Government, spring	-	5,645	-	-	-	Tn	5,870	05-18-61	-	-	-	-	-	-
29.09.18.3113	364328 1074925	S. Rosa Parish Church	39	5,570E	29.6	05-19-61	-	Qal	692 *	05-19-61	-	-	-	-	-	50 ft from ditch.
29.09.18.3114	364326 1074932	Pete Valdez	32	5,520	5.0	10-02-74	-	Qal	1,670	10-02-74	-	-	-	-	-	-
29.09.18.322	364328 1074905	Vern Tomlinson	17 M	5,550	5.7	04-03-68	-	Qal	3,020	04-03-68	-	-	-	-	-	-
29.09.18.411	364328 1074856	J. Schindledecker	40	5,550	3	05-19-61	-	Qal	2,290 *	05-19-61	-	-	-	-	-	-
29.09.18.422	364324 1074836	State Hwy Dept., spring	-	5,575	-	-	-	Tn	7,540 *	05-17-61	-	-	-	1E	-	Water quality "bad".
29.9.22.1412	364248 1074708	Seep	-	5,640	-	-	-	Tn	7,000	10-20-75	-	-	-	<0.5E	-	-
29.09.22.123	364255 1074606	-	-	5,880	-	-	-	Tn	15,600	06-12-72	-	8	-	-	-	-
29.10.16.2143	364348 1075314	-	61 M	5,640	27.6 28.0	11-18-74 10-22-75	-	Tn	-	-	-	-	-	-	-	Slane Canyon Windmill.
29.10.19.3112	364238 1075551	Leo Serrano	48 37 M	5,480	22.0 13.9	04-04-68 10-09-74	-	Qal	1,750 1,160	04-04-50 10-09-74	-	-	-	-	-	-
29.10.24.212	364302 1074950	Blanco School	47 M	5,570	23.2	04-04-68	-	Qal	715 *	04-04-68	-	-	-	-	-	-
29.10.24.2311	364250 1075001	Amandeo M Herrera	32	5,525	2.8	10-08-74	-	Qal	630	10-08-74	-	-	-	-	-	-
29.10.26	-	Pan Am Petroleum	6000	-	-	-	-	Tn	- *	- -59	-	8	-	-	-	-
29.10.26.3324	364129 1075128	Rose Willson	52	5,540	-	-	-	Qal	760	10-03-74	-	-	-	-	-	-
29.10.27.3433	364127 1075226	Bur. Rec.	100	5,560	18.4	10-03-74	-	Qal	300	10-03-74	-	-	-	-	-	-
29.10.28.3133	364137 1075243	Paul Downing	72	5,540	34.1	10-03-74	-	Tn	5,000	10-03-74	-	-	-	-	-	-
29.10.30.1411	364158 1075540	Milton Lechner	500	5,491	-	-	-	Tn	4,090 *	04-04-68	-	-	-	-	-	Producing gas from Kf, H_2O from TKos.
29.10.30.233	364156 1075525	Milton Lechner	60	5,500	52 22.8	- -61 04-04-68	-	Tn	3,250	04-04-68	-	-	-	-	-	-
29.10.30.2344	364152 1075515	H. A. McDaniel	100	5,520	12.8	10-04-74	-	Tn	5,500	10-04-74	-	-	-	-	-	-
29.11.19.344	364217 1080158	Utimio Archibeque	34M	5,470	17.8	04-09-68	-	Qal	2,790 *	04-09-68	-	-	-	-	-	-
29.11.25.114	364205 1075653	Bur. Rec. #41	10M	5,470	4.7	04-16-68	-	Qal	2,500	04-16-68	-	-	-	-	-	Stovepipe casing.
29.11.25.1233	364204 1075646	Bruce Sullivan	36	5,475	7.2	10-04-74	-	Tn	-	-	-	-	-	-	-	Water from domestic well nearby is 2,200 umhos.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to Water (feet)	Date	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Drawdown (feet)	Discharge (gal/min)	Duration (hours)	Remarks
29.11.25.132	364158 1075653	Bur. Rec. #39	10M	5,470	1.8	04-16-68	-	Tn	6,300	04-16-68	-	-	-	-	-	-
29.11.30.211	364212 1080152	Narciso Archibeque	46	5,465	43	-	-	Qal	748 *	04-09-68	-	-	-	-	-	-
29.11.30.233	364152 1080152	Delbert Blake	9M	5,390	8.8	04-09-68	-	Qal	886 *	04-09-68	-	-	-	-	-	-
29.11.31.3321	364043 1080217	-	1,720	5,437	-	-	-	Kpc	-	-	TOP	-	-	-	-	Converted to water.
29.11.31.3342	364037 1080214	Edgar Lund	600	5,458	29.1	10-09-74	300	TKos	-	-	-	-	-	-	-	Oil test plugged back.
29.11.31.3424	364042 1080158	Richard Sego	326	5,480	-	-	-	TKos	-	-	-	-	-	-	-	"Not fit to drink".
29.11.34.4144	364046 1075827	-	800	5,640	-	-	-	TKos	-	-	TOP	-	-	-	-	Source for H_2O injected; plugged back from TD of 1,335 feet.
29.12.06.133	364521 1080847	George McColm	16	5,440	6	11-24-53	-	Qal	2,250 *	11-24-53	-	R	-	10	-	-
29.12.07.4133	364417 1080817	7th Day Avent Church	234	5,600	170.5	10-08-74	-	Kkf, TKos	2,500	10-08-74	-	-	-	-	-	-
29.12.18	-	Pan Am Pet.	-	-	-	-	1,435-1,448	Kpc	-	* 04-30-59	-	R	-	-	-	TDS = 29,800 mg/L, 1959.
29.12.19.3211	364242 1080833	Thomas F. Kirby	62	5,360	45.4	04-05-68	-	Qal	2,100	04-05-68	-	-	-	-	-	-
29.12.19.3231	364235 1080837	Thomas F. Kirby	44	5,330	32.1	04-05-68	-	Qal	900	04-05-68	-	-	-	-		- -
29.12.20	-	-	-	-	-	-	1,550	Kpc	-	* - -59Q	-	R	-	-	-	Analysis only. TDS = 30,200 mg/L, 1959.
29.12.20	-	Pan Am Pet.	1,415	5,457	-	-	1,378-1,388	Kpc	59,200 *	02-22-59	-	-	-	-	-	Gas well, sample from pit.
29.12.21.3	-	-	-	-	-	-	-	-	4,090 **	03-15-74	-	-	-	-	-	Analysis only.
29.12.28	-	Pan Am	-	-	-	-	-	Kpc	-	* 04-30-59	-	-	-	-	-	Gas well; TDS 37,800 mg/L
29.12.28.2111	364215 1080609	D. E. Brownlee	120	5,392	18.8	11-07-74	-	TKos	-	-	-	-	-	-	-	Unused.
29.12.29	-	Pan Am	44	-	-	-	-	Qal	-	* 04-30-59	-	R	-	-	-	Reported casing depth; TDS = 2,210 mg/L.
29.12.30	-	-	-	-	-	-	1,240	Kpc	-	* - -59	-	R	-	-	-	WBY depth = 1,260 ft; TDS = 45,600 mg/L.
29.12.33.2411	364111 1080353	-	850	5,360	F	10-21-74	-	Kkf	12,250	10-21-74	-	-	-	5E	-	Rammond Canal Well.
29.12.34.421	364056 1080450	Bureau of Reclamation	12M	5,370	5.3	04-17-68	-	Qal	2,950 *	04-17-68	-	-	-	-	-	Stovepipe casing.
29.12.34.4341	364036 1080500	Chas. Christianson	100	5,480	65.5	10-21-74	-	TKos	-	-	-	-	-	-	-	-
29.12.35.342	364042 1080410	Bureau of Reclamation #26	6M	5,380	3.6	04-18-68	-	Qal	4,620 *	04-18-68	-	-	-	-	-	Stovepipe casing.

Affidavit of Publication

No. 14094

TE OF NEW MEXICO,

ty of Eddy:

Gary D. Scott being duly

n, says: That he is the Publisher of The

ia Daily Press, a daily newspaper of general circulation,

shed in English at Artesia, said county and state, and that

ereto attached Legal Notice

published in a regular and entire issue of the said Artesia Press, a daily newspaper duly qualified for that purpose n the meaning of Chapter 167 of the 1937 Session Laws of

days

ate of New Mexico for 1 consecutive weeks on

me day as follows:

Publication October 9, 1992

d Publication

Publication

h Publication

Gary D Scott

scribed and sworn to before me this 23rd day

October 19 92

Barbara Ann Beans

Notary Public, Eddy County, New Mexico

ommission expires September 23, 1996

Copy of Publication

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 New Mexico Water Quality Control Commission Regulations, the following discharge plan applications have 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-101) - Smith Energy Services, Brake Stevenson, District Manager, 2198 East Bloomfield Highway, Farmington, New Mexico 87401, has submitted a discharge plan application for their Farmington Service Facility located in the SE/4 SW/4, Section 14, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico. Approximately 1000 gallons per day of waste water is treated in an oil/water separator prior to transfer to the City of Farmington wastewater treatment system. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 27 feet with a total dissolved solids concentration ranging from 600 mg/l to 900 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-114) - Dowell Schlumberger, Richard B. Connell, Manager, 500 Richey Street, Artesia, New Mexico 88210, has submitted a discharge plan application for their Artesia Service Facility located in the SE/4 SE/4, Section 4, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico. Approximately 280 gallons per day of waste water with a total dissolved solids concentration of approximately 1100 mg/l is stored in a closed top steel tank prior to disposal at an OCD approved off site disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 15 feet with a total dissolved solids concentration of approximately 1500 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-128) - GPM Gas Corporation, Vincent B Bernard, Safety and Environmental Supervisor, 4044 Penbrook, Odessa, Texas, 79762, has submitted a discharge plan application for their Hat Mesa Compressor Station located in the SW/4 SE/4, Section 4, Township 21 South, Range 32 East, NMPM, Lea County, New Mexico. Approximately 1250 gallons per day of waste water with a total dissolved solids concentration of approximately 5000 mg/l is stored in a closed top steel tank prior to disposal at an OCD approved off site treatment and disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 50 feet with a total dissolved solids concentration of approximately 1500 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-129) - Gas Company of New Mexico, Sam Mohler, Compressor Operations Supervisor, P.O. Box 1899, Bloomfield New Mexico 87413, has submitted a discharge plan application for its Crouch Mesa Compressor Station located in the NE/4 NE/4, Section 23, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 15 gallons per day of waste water will be stored in a fiberglass tank prior to disposal at an OCD approved off site disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 252 feet with a total dissolved solids concentration of approximately 1500 mg/l.

The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-130) - Bloomfield Refining Company, David Roderick, Refinery Manager, P.O. Box 159, Bloomfield, New Mexico 87413, has submitted a discharge plan application to construct and operate a Class I (non-hazardous) disposal well located in the NW/4 SW/4, Section 26, Township 29 North, Range 11 West, NMPM, San Juan County, New Mexico. Up to 2380 barrels (100,000 gallons) per day of non-hazardous refinery waste will be disposed of by injection into the Cliff House formation at a depth from 3400 to 3600 feet. The total dissolved solids concentration of the waste is approximately 15,600 mg/l. The total dissolved solids concentration of the formation fluids is approximately 25,000 mg/l. The discharge plan addresses construction, operation and monitoring of the well and associated surface facilities and provides a contingency plan in the event of accidental spills, leaks and other unauthorized discharges to the ground surface. Ground water most likely to be affected by any accidental discharge is at a depth from approximately 10 to 30 feet and is a water zone directly caused by seepage from Hammond Ditch. The ditch water has a total dissolved solids concentration of approximately 200 mg/l.

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 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 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 30th day of September, 1992.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
s-William J.LeMay
WILLIAM J. LEMAY,
Director

SEAL

Published in the Artesia Daily Press, Artesia, N.M. October 9, 1992.

Legal 14094

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

Legal Notice

in the ~~County of Lea~~ ~~County, New Mexico~~ was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, ~~once each week on the same day of the week~~ for one (1) day ~~consecutive weeks~~, beginning with the issue of

October 8, 19 92

and ending with the issue of

October 8, 19 92

And that the cost of publishing said notice is the sum of $ 57.78

which sum has been (Paid) (~~Assessed~~) as Court Costs

Joyce Clemens

Subscribed and sworn to before me this 15th day of October, 19 92

Mrs. Jeani Sewell

Notary Public, Lea County, New Mexico

My Commission Expires Sept. 28, 19 94

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 New Mexico Water Quality Control Commission Regulations, the following discharge plan applications have 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-101) - Smith Energy Services, Brake Stevenson, District Manager, 2198 East Bloomfield Highway, Farmington, New Mexico 87401, has submitted a discharge plan application for their Farmington Service Facility located in the SE/4 SW/4, Section 14, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico. Approximately 1000 gallons per day of waste water is treated in an oil/water separator prior to transfer to the City of Farmington wastewater treatment system. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 27 feet with a total dissolved solids concentration ranging from 600 mg/1 to 900 mg/1. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 30th day of September, 1992.

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

SEAL

Published in the Lovington Daily Leader October 8, 1992.

AFFIDAVIT OF PUBLICATION

No. 30140

STATE OF NEW MEXICO,
County of San Juan:

CHRISTINE HILL 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, OCTOBER 9, 1992

Second Publication

Third Publication

Fourth Publication

and the cost of publication was $ 81.33

Christine Hill

Subscribed and sworn to before me this 20 day of OCTOBER, 1992.

Ginny Beck
Notary Public, San Juan County, New Mexico

My Comm expires: ~~JULY 3, 1993~~ April 2, 1996

COPY OF PUBLICATI

NOTICE OF PBLICATION
STATE OF NW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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

SEAL

Legal No 30140 published in the Farmington Daily Times Farmington, New Mexico on Friday, October 9, 1992.

STATE OF NEW MEXICO
County of Bernalillo ss

OIL CONSERVATION DIVISION
RECEIVED

'92 OCT 8 AM 8 57

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 10 day of October, 1992, and the subsequent consecutive publications on ....., 1992.

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 Oct., 1992.

Bernadette Ortiz

PRICE $51.71

12-18-93

Statement to come at end of month.

CLA-22-A (R-12/92)

ACCOUNT NUMBER C81873

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
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 30th day of September, 1992

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
s/William J. Lemay, Director

Journal: October 10, 1992

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 30th day of September, 1992.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S. E A L

WILLIAM J. LEMAY, Director

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 8/21/92

or cash received on 8/24/92 in the amount of $ 50.00

from ENVIRONMENTAL SVCS (Gas Co of NM)

for Crouch Mesa Comp Sta (Facility Name) GW-129 (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: Roger Anderson Date: 8/24/92

Received in ASD by: Dorothy C. Montoya Date: 8/24/92

Filing Fee X New Facility ___ Renewal ___

Modification ___ Other _____ (specify)

Organization Code 521.07 Applicable FY 93

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

[redacted]
ENVIRONMENTAL SERVICES 6-90
5971 JEFFERSON NE, STE. 104 345-3960
ALBUQUERQUE, NM 87109

August 21, 19 92 95-219/1070

PAY TO THE ORDER OF OCD $ 50.00

Fifty and NO/100 DOLLARS

[redacted]
United New Mexico Bank at
Post Office Box 1081
Albuquerque, New Mexico 87103-1081
NEW MEXICO BANK

MEMO [redacted]

ESOI

ENVIRONMENTAL
•SERVICES.INC•

Friday August 21, 1992

Roger Anderson
Oil Conservation Division
Energy, Minerals and Natural Resources Department
State of New Mexico
PO Box 2088
Land Office Building
Santa Fe, NM 87504-5884

RECEIVED
AUG 2 4 1992
OIL CONSERVATION DIV.
SANTA FE

Dear Mr. Anderson:

On behalf of Gas Company of New Mexico (GCNM) we are submitting the enclosed discharge plan for GCNM's Crouch Mesa Compressor Station. The plan has been prepared in accordance with Water Quality Control Commission (WQCC) Regulation 3-106 and current practice for such plans.

In order to meet its contractual obligations GCNM seeks to begin operation of the facility in approximately late August. Therefore, we request permission to commence operation prior to approval of the discharge plan as specified in WQCC 3-106 A.

We are also enclosing a total of $50 in filing and flat fees, as specified in WQCC 3-114. This amount includes the filing fee of $50 and the flat fee of $0 for compressor stations of less than 1000 horsepower.

Please advise GCNM of your decision regarding operation prior to approval of the discharge plan. Please advise us of any required changes or additions to the discharge plan.

Sincerely,

Robert A. Cudney

ESOI
ENVIRONMENTAL
•SERVICES.INC•

Robert A Cudney
5971 Jefferson NE
Suite 104
Albuquerque
New Mexico 87109
505 • 345 • 3900

5971 Jefferson NE
• Suite 104 •
• Albuquerque •
New Mexico 87109
505 • 345 • 3900

Discharge Plan for Crouch Mesa Compressor Station

GW-129

Fri, Aug 21, 1992

Prepared for

Gas Company of New Mexico
Alvarado Square, MS 2512
Albuquerque,NM 87125
(505) 848-4504

Prepared by
Environmental Services, Inc
5971 Jefferson NE
Suite 104
Albuquerque, NM 87109

Gas Company of New Mexico
Crouch Mesa Compressor Station
Discharge Plan

This Discharge Plan has been prepared in accordance with Oil Conservation Division "Guidelines for the Preparation of Ground Water Discharge Plans at Natural Gas Processing Plants" and the New Mexico Water Quality Control Commission regulations 3-104 and 3-106.

I General Information

Gas Company of New Mexico proposes to construct a small natural gas compressor at Crouch Mesa Compressor Station, located approximately 3.5 miles west of Bloomfield, NM.

Gas Company proposes to install a single 110 hp (derated) Caterpillar compressor model 3306 NA HCR, package serial number 7Y1685. A fiberglass above-grade storage tank and a small dehydrator will also be located at the site.

All spills, leaks and discharges from this site will be handled in accordance with OCD regulations, customary practices, and common sense.

The proposed start-up date for this compressor is August 31, 1992.

Discharger:	Gas Company of New Mexico Alvarado Square, MS 2512 Albuquerque, NM 87125 (505) 848-4504
Local representative:	Gas Company of New Mexico P.O. Box 1899 Bloomfield, NM 87413

	Attention: Sam Mohler (505) 632-3311
Location of discharge:	Section 23, T 29 N, R 12 W; San Juan County, NM UTM Zone 12; 762385mE; 4067154mN (see Fig. 1).
Type of operation:	The proposed installation is a field compressor station consisting of • a 110-horsepower (derated) compressor • an above-grade, fiberglass tank • a dehydrator • a suction scrubber

The entire site will be bermed. Discharges from each of these components of the site are discussed separately in Section II of this application. A site plan is attached (see Fig. 2).

II Plant Processes

Effluent Sources, Characteristics and Handling

Compressor	A 110-horsepower (derated) compressor will be installed on the site. The compressor is mounted on an econo-skid consisting of a built-in compressor pad with a non-permeable tray beneath the compressor to contain spills. The econo-skid will insure containment of drips, spills, and washdown water from the unit.

GCNM is responsible for maintenance of its compressor and for removal of waste lube oil. Waste oil generated by the compressor will be hauled from the site in accordance with OCD regulations.

Berm

The entire compressor site will be bermed to contain any spills or leaks from the compressor or any related activities. The berm will be constructed to contain at least one and one-third times the volume of the fiberglass tank.

Suction Scrubber

A suction scrubber will be located on the inlet side of the compressor. The volume of liquid from the suction scrubber is expected to be very small, and will discharge to the fiberglass tank.

Dehydrator

A dehydrator will be located to the east of the compressor, off of the dehydrator tie in. The liquid from the dehydrator will discharge into the fiberglass tank via a 1" dump line directly from the dehydrator.

Fiberglass Tank

An above-grade fiberglass drain tank will be installed inside the site. The 1" dump line to drain from the dehydrator and the compressor to the fiberglass tank will also be above-grade.

The tank will be six feet in diameter, four feet deep, with a capacity of approximately

821 gallons (see Fig. 3). Water from the dehydrator, the scrubber and the compressor will be drained into the fiberglass tank as needed for proper operation of the site. It is expected that the maximum rate of accumulation of water in this tank will be less than ten barrels per month.

This water is expected to be saline water contaminated with small quantities of hydrocarbons and ethylene glycol and will be removed from the fiberglass tank for OCD-approved disposal as necessary.

Effluent Handling and Site Housekeeping

This site will be visited daily by a Gas Company of New Mexico employee. Leaks, spills and drips will be handled in accordance with OCD rule 116 as follows:

- Small spills will be absorbed with soil and shoveled into drums for off-site disposal by an OCD approved disposal contractor.

- Large spills will be contained with temporary berms. Free liquids will be pumped into drums. Contaminated soil will be shoveled into drums for off-site disposal by an OCD-approved disposal contractor.

- Verbal and written notification of leaks or spills will be made to OCD in accordance with rule 116.

- All areas identified during operation as susceptible to leaks or spills will be paved, bermed or otherwise contained to prevent the discharge of any effluents.

III Effluent Disposal

All effluents from this site will be handled in accordance with OCD and NMED regulations. Effluents from this site are expected to be discharged into the above-grade fiberglass tank. Any effluent which needs to be disposed of will be removed from the site by GCNM. All effluents will be recycled if possible. Effluents which cannot be recycled, such as contaminated soil, will be disposed of properly.

Any recycling and disposal contractors used by GCNM, will be approved by the New Mexico Environment Department or Oil Conservation Division, as appropriate, for the hauling and final disposition of effluents.

GCNM presently has the following hauling/disposal contracts:

Accumulated Water

Hauling:	C&J Trucking P.O. Box 1246 Farmington, NM 87499
Disposal:	Basin Disposal Co. 6 C.R. 5046 Bloomfield, NM 87413

IV Site Characteristics

The Crouch Mesa site is located approximately 3.5 miles west of Bloomfield, NM at an elevation 5660 feet above mean sea level. All installations at this site will be above-grade and bermed to prevent the discharge of any effluents. The proposed compressor site is located on a mesa and is not expected to be affected by flooding.

The nearest watercourse to the Crouch Mesa site is the Citizen's Ditch, which is approximately 3/10 of a mile west of the proposed site. The Citizen's ditch runs south, and discharges into the San Juan River. The San Juan River is located approximately 1 mile south of the Crouch Mesa site.

The exact geology of the proposed compressor site is unknown, although some wells drilled in the region have encountered shales, gravel and sandstone.

Appendix A includes information on the Total Dissolved Solids and depth to groundwater for wells in the vicinity of the proposed compressor station site. This information was acquired from the State Engineer's office and from well information from "Hydrogeology and Water Resources of San Juan Basin, New Mexico", by W. J. Stone et. al, NMIMT 1983.

According to these sources, the calculated average elevation of the water table in the region is 5407 feet above mean sea level ($\pm \approx 40$ ft). The elevation of the proposed Crouch Mesa site is 5660 feet MSL. Therefore, the calculated depth to the water table at the proposed site is approximately 252 feet as shown here:

Crouch Mesa elevation	5660 ft MSL
Local average water table	– 5407 ft MSL
Depth to water table	252 ft

The average Total Dissolved Solids of the wells for which information was available is 1489 ppm.

Affirmation

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

8-21-92

Signature Date

Sam Mohler, Compressor Operations Supervisor

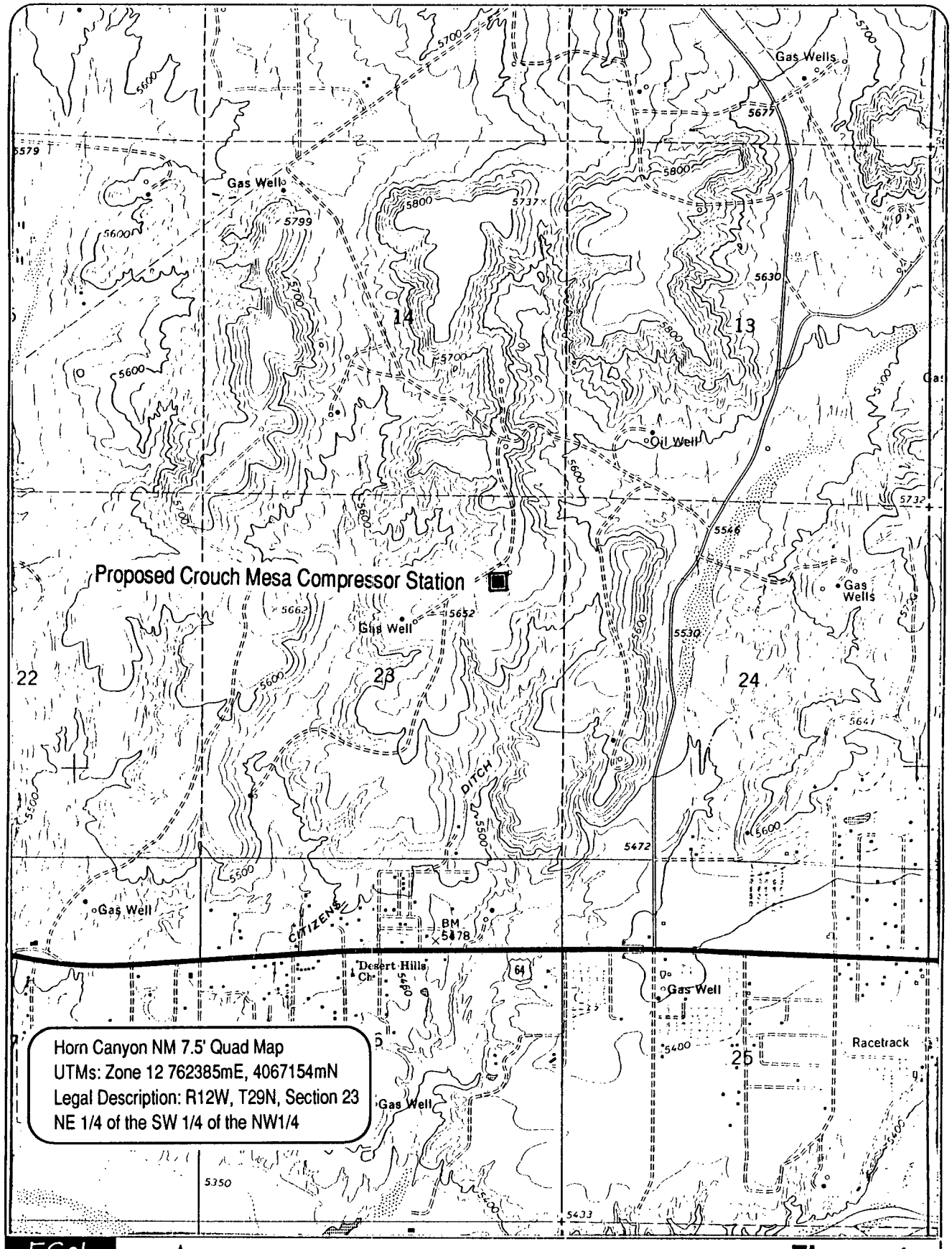

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Figure 1
Proposed Location of the Crouch Mesa Compressor Station

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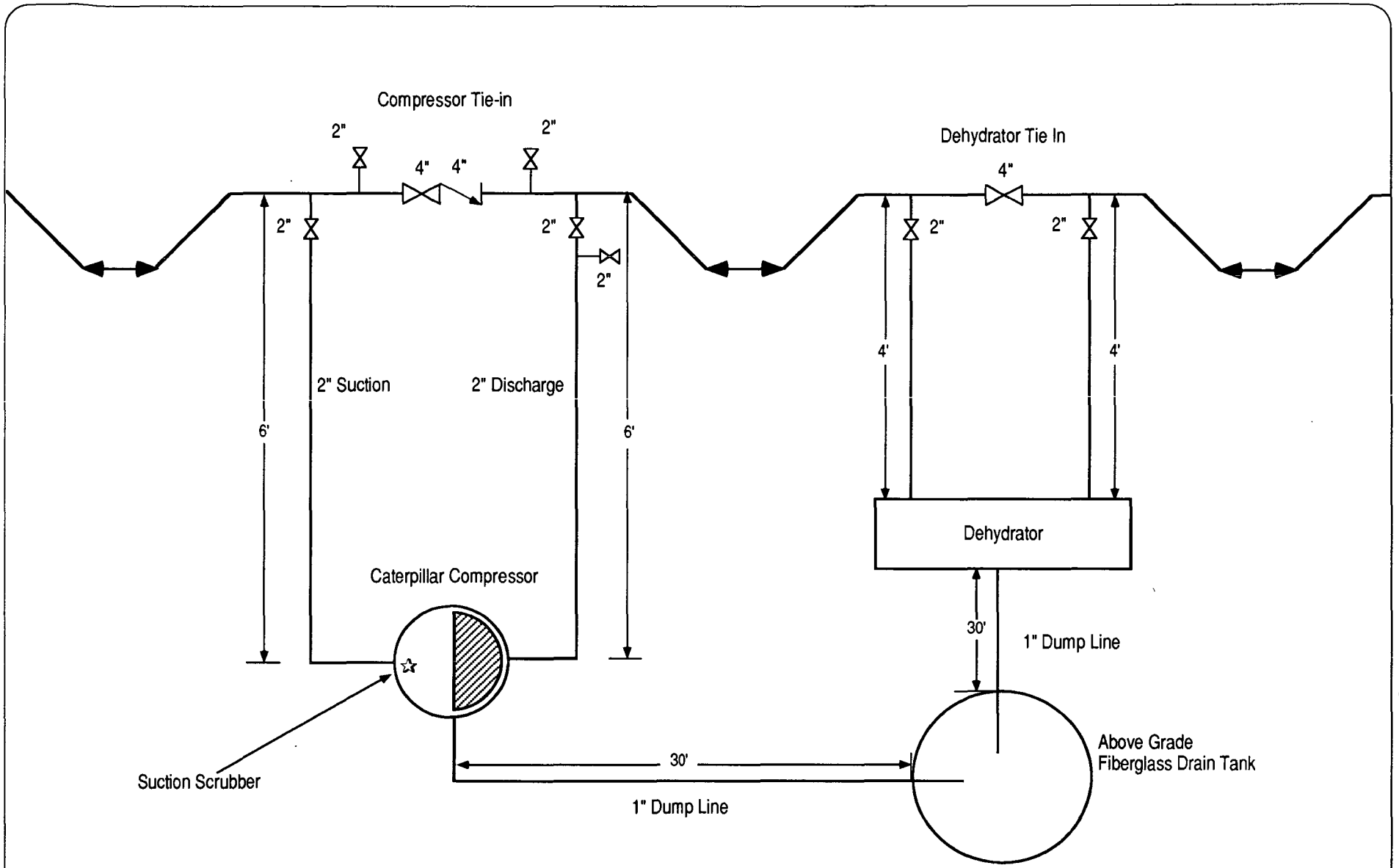

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Not to Scale

Figure 2

Proposed Crouch Mesa Compressor Schematic

Figure 3
Equations for Figuring Tank Volume

Tank Size	6 ft. diameter x 4 ft. depth
Area	$\mathbf{A = \pi r^2}$
	$= \pi (3 \text{ ft})^2$
	$= \pi (9 \text{ ft}^2)$
	$= 28.274 \text{ ft}^2$
Volume	$\mathbf{V = A \times d}$
	$= 28.274 \text{ ft}^2 \times 4\text{ft}$
	$= 113.097 \text{ ft}^3$
Conversion to Gallons	$\mathbf{ft^3 \div 0.1377 (gal/ft^3)}$
	$= 113.097 \text{ ft}^3 \div 0.1377(1 \text{ gal}/\text{ft}^3)$
	$= 821.33$ gallons

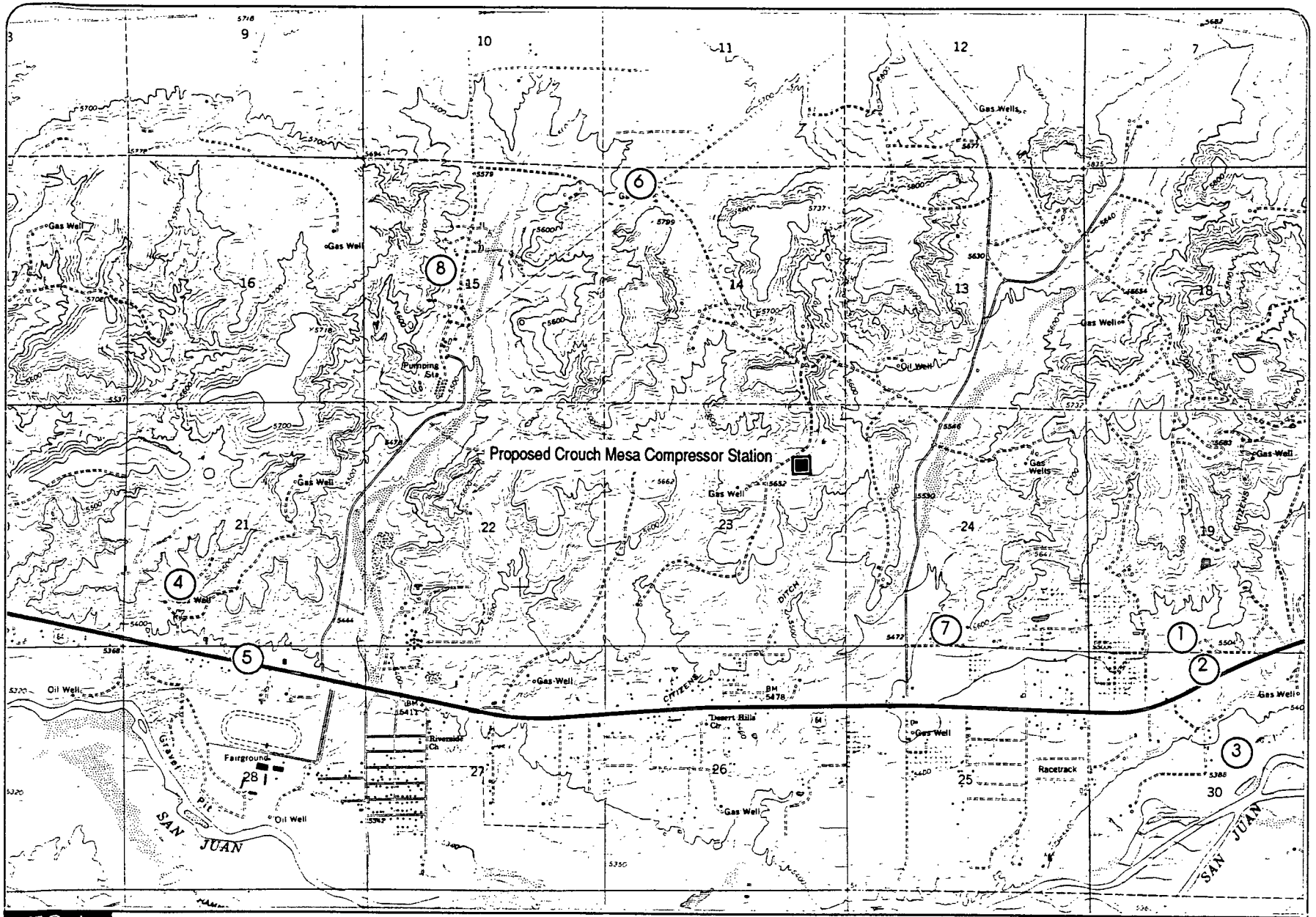

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Figure 4
Map of Wells in the Vicinity

Appendix A

Well No	Date Drilled	T	R	Sec	Location	Elevation	Depth	Calculated Elevation of Water Table	Micromho	TDS
1	4/9/68	29 N	11W	19	0.344	5470	17.8	5452.2	2790	1953
2	4/9/68	29 N	11W	30	0.211	5465	43	5422	748	523.6
3	4/9/68	29 N	11W	30	0.233	5390	8.8	5381.2	886	620.2
4	3/15/74	29 N	12W	21	0.3				4090	2863
5	11/7/74	29 N	12W	28	0.2111	5392	18.8	5373.2		
6	12/28/77	29 N	12W	14	NW1/4 NW 1/4	5395				
7	7/20/77	29 N	12W	24	0.34					
8	12/4/81	29 N	12W	15	SE1/4 SW1/4 NW1/4	5560				

Average Elevation 5407.15 **Average TDS** 1489.95

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to Water (feet)	Date	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Drawdown (feet)	Discharge (gal/min)	Duration (hours)	Remarks
29.11.25.132	364158 1075653	Bur. Rec. #39	10M	5,470	1.8	04-16-68	-	Tn	6,300	04-16-68	-	-	-	-	-	-
29.11.30.211	364212 1080152	Narciso Archibeque	46	5,465	43	-	-	Qal	748 *	04-09-68	-	-	-	-	-	-
29.11.30.233	364152 1080152	Delbert Blake	9M	5,390	8.8	04-09-68	-	Qal	886 *	04-09-68	-	-	-	-	-	-
29.11.31.3321	364043 1080217	-	1,720	5,437	-	-	-	Kpc	-	-	TOP	-	-	-	-	Converted to water.
29.11.31.3342	364037 1080214	Edgar Lund	600	5,458	29.1	10-09-74	300	TKos	-	-	-	-	-	-	-	Oil test plugged back.
29.11.31.3424	364042 1080158	Richard Sego	326	5,480	-	-	-	TKos	-	-	-	-	-	-	-	"Not fit to drink".
29.11.34.4144	364046 1075827	-	800	5,640	-	-	-	TKos	-	-	TOP	-	-	-	-	Source for H_2O injected; plugged back from TD of 1,355 feet.
29.12.06.133	364521 1080847	George McColm	16	5,440	6	11-24-53	-	Qal	2,250 *	11-24-53	-	B	-	10	-	-
29.12.07.4133	364417 1080817	7th Day Avent Church	234	5,600	170.5	10-08-74	-	Kkf, TKos	2,500	10-08-74	-	-	-	-	-	-
29.12.18	-	Pan Am Pet.	-	-	-	-	1,435-1,448	Kpc	-	* 04-30-59	-	B	-	-	-	TDS = 29,800 mg/L, 1959.
29.12.19.3211	364242 1080833	Thomas F. Kirby	62	5,360	45.4	04-05-68	-	Qal	2,100	04-05-68	-	-	-	-	-	-
29.12.19.3231	364235 1080837	Thomas F. Kirby	44	5,330	32.1	04-05-68	-	Qal	900	04-05-68	-	-	-	-		- -
29.12.20	-	-	-	-	-	-	1,550	Kpc	-	* - -59Q	-	B	-	-	-	Analysis only, TDS = 30,200 mg/L, 1959.
29.12.20	-	Pan Am Pet.	1,415	5,457	-	-	1,378-1,388	Kpc	59,200 *	02-22-59	-	-	-	-	-	Gas well, sample from pit.
29.12.21.3	-	-	-	-	-	-	-	-	4,090 **	03-15-74	-	-	-	-	-	Analysis only.
29.12.28	-	Pan Am	-	-	-	-	-	Kpc	-	* 04-30-59	-	-	-	-	-	Gas well; TDS 37,800 mg/L
29.12.28.2111	364215 1080609	D. H. Brownlee	120	5,392	18.8	11-07-74	-	TKos	-	-	-	-	-	-	-	Unused.
29.12.29	-	Pan Am	44	-	-	-	-	Qal	-	* 04-30-59	-	B	-	-	-	Reported casing depth; TDS = 2,210 mg/L.
29.12.30	-	-	-	-	-	-	1,240	Kpc	-	* - -59	-	B	-	-	-	WBF depth = 1,240 ft; TDS = 45,600 mg/L.
29.12.33.2411	364111 1080553	-	850	5,360	F	10-21-74	-	Kkf	12,250	10-21-74	-	-	-	SE	-	Hammond Canal Well.
29.12.34.421	364056 1080450	Bureau of Reclamation	13M	5,370	5.3	04-17-68	-	Qal	2,950 *	04-17-68	-	-	-	-	-	Stovepipe casing.
29.12.34.4341	364036 1080500	Chas. Christianson	100	5,480	65.5	10-21-74	-	TKos	-	-	-	-	-	-	-	-
29.12.35.342	364042 1080410	Bureau of Reclamation #26	6M	5,380	3.6	04-18-68	-	Qal	4,620 *	04-18-68	-	-	-	-	-	Stovepipe casing.

Table 1.--Records of water wells and springs in San Juan County prior to 1978 - Continued

Location	Latitude-Longitude	Number or name	Depth (feet)	Altitude (feet)	Depth to Water (feet)	Date	Producing interval (feet)	Principal water-bearing unit(s)	Specific conductance (umhos at 25°C)	Date	Logs available	Reference	Drawdown (feet)	Discharge (gal/min)	Duration (hours)	Remarks
29.09.17.241	364341 1074745	Lyle Anderson	-	5,725	-	-	-	Tn	8,210 *	04-03-68	-	-	-	-	-	Scheduled 1968.
29.09.17.2411	364345 1074749	L. G. Anderson	119	5,720	84.5	10-02-74	99-119	Tn	2,700	10-02-74	-	-	-	-	-	Drilled 1973.
29.09.17.324*	364322 1074808	U.S. Government, spring	-	5,645	-	-	-	Tn	5,870	05-18-61	-	-	-	-	-	-
29.09.18.3113	364328 1074925	S. Rosa Parish Church	39	5,570E	29.6	05-19-61	-	Qal	692 *	05-19-61	-	-	-	-	-	50 ft from ditch.
29.09.18.3114	364326 1074932	Pete Valdez	32	5,520	5.0	10-02-74	-	Qal	1,670	10-02-74	-	-	-	-	-	-
29.09.18.322	364328 1074905	Vern Tomlinson	17 M	5,550	5.7	04-03-68	-	Qal	3,020	04-03-68	-	-	-	-	-	-
29.09.18.411	364328 1074856	J. Schindledecker	40	5,550	3	05-19-61	-	Qal	2,290 *	05-19-61	-	-	-	-	-	-
29.09.18.422	364324 1074836	State Hwy Dept., spring	-	5,575	-	-	-	Tn	7,540 *	05-17-61	-	-	-	1E	-	Water quality "bad".
29.9.21.1412	364248 1074708	Seep	-	5,640	-	-	-	Tn	7,000	10-20-75	-	-	-	<0.5E	-	-
29.09.22.123	364255 1074606	-	-	5,880	-	-	-	Tn	15,600	06-12-72	-	8	-	-	-	-
29.10.16.2143	364348 1075314	-	61 M	5,640	27.6 28.0	11-18-74 10-22-75	-	Tn	-	-	-	-	-	-	-	Slaws Canyon Windmill.
29.10.19.3112	364238 1075551	Leo Serrano	48 37 M	5,480	22.0 13.9	04-04-68 10-09-74	-	Qal	1,750 1,160	04-04-50 10-09-74	-	-	-	-	-	-
29.10.24.212	364302 1074950	Blanco School	47 M	5,570	23.2	04-04-68	-	Qal	715 *	04-04-68	-	-	-	-	-	-
29.10.24.231I	364250 1075001	Amandeo M Herrera	32	5,525	2.8	10-08-74	-	Qal	630	10-08-74	-	-	-	-	-	-
29.10.26	-	Pan Am Petroleum	6000	-	-	-	-	Tn	- *	- -59	-	B	-	-	-	-
29.10.26.3324	364129 1075128	Rose Willson	52	5,540	-	-	-	Qal	760	10-03-74	-	-	-	-	-	-
29.10.27.3433	364127 1075226	Bur. Rec.	100	5,560	18.4	10-03-74	-	Qal	300	10-03-74	-	-	-	-	-	-
29.10.28.3133	364137 1075243	Paul Downing	72	5,540	34.1	10-03-74	-	Tn	5,000	10-03-74	-	-	-	-	-	-
29.10.30.1411	364158 1075540	Milton Lechner	500	5,491	-	-	-	Tn	4,090 *	04-04-68	-	-	-	-	-	Producing gas from K H_2O from TKoa.
29.10.30.233	364156 1075525	Milton Lechner	60	5,500	52 22.8	- -61 04-04-68	-	Tn	3,250	04-04-68	-	-	-	-	-	-
29.10.30.2344	364152 1075515	H. A. McDaniel	100	5,520	12.8	10-04-74	-	Tn	5,500	10-04-74	-	-	-	-	-	-
29.11.19.344	364217 1080158	Utimio Archibeque	34M	5,470	17.8	04-09-68	-	Qal	2,790 *	04-09-68	-	-	-	-	-	-
29.11.25.114	364205 1075653	Bur. Rec. #41	10M	5,470	4.7	04-16-68	-	Qal	2,500	04-16-68	-	-	-	-	-	Stovepipe casing.
29.11.25.1233	364204 1075646	Bruce Sullivan	36	5,475	7.2	10-04-74	-	Tn	-	-	-	-	-	-	-	Water from domestic well nearby is 2,200 umhos.