HIP - 39

# GENERAL CORRESPONDENCE

YEAR(S): 199-1989

July 29, 1993

State of New Mexico Oil Conservation Division P.O. Box 2088 Land Office Building Santa Fe, New Mexico 87504-2088

ATTN: Mr. Roger Anderson

Environmental Engineer

Dear Mr. Anderson:

Meridian Oil Gathering Inc. is planning to hydrostatic test Trunk MB 22" Loop pipeline. This project consists of two segments, 1) Constructing 6931' of new pipe for which an application letter was sent on 6/24/93, and a water discharge approval granted on 7/1/93 (see attachments), and 2) Purchase from Williams Field Service .9 miles of existing 22" pipeline which will be tied in to the southern end of the newly constructed pipeline described in 1., above.

This letter pertains particularly to the segment purchased from Williams Field Service and listed in 2., above. The purchased pipeline is shown on the attached map. The pipeline is .9 miles long. It crosses lands owned by the Bureau of Land Management. The landowner is aware of this work and has agreed in principal to this testing plan.

The line will be tested in one closed loop. The amount of water required is 3650 barrels. The test will be conducted at 90% to 95% of the specified minimum yield strength. Duration of the test will be 8 hours.

The water used in the test will be taken from storage tanks at a salt water disposal well. Upon completion of the test, the water will be returned to one of Meridian's salt water disposal wells. A typical water analysis is attached for your information.

If you have any questions, please call me at (505) 326-9843.

Sincerely,

Loven & Fothergell Loren Fothergill Senior Staff Engineer

RECEIVED

JUL 3 0 1993

OIL CONSERVATION DIV.

SANTA FE

Attachments

June 24, 1993

State of New Mexico Oil Conservation Division P.O. Box 2088 Land Office Building Santa Fe, NM 87504-2088

ATTN: Mr Roger C Anderson Environmental Engineer

Dear Mr. Anderson:

Meridian Oil Gathering, Inc. is planning to hydrostatic test its Trunk MB 22" Loop west of it's Pump Canyon Compressor Station. The line is presently under construction. The lands is owned by the US. Government and managed by the BLM.

Trunk MB 22" Loop is constructed of 22 inch steel pipe, 6,931 feet long. The line will be tested in one closed loop. The amount of water required is 5,325 barrels of water. The test will be conducted at 90% of the specified minimum yield strength. Duration of the test will be 8 hours.

The water used in the test will be taken from storage tanks a salt water disposal well. Upon completion of the test, the water will be returned to one of Meridian's salt water disposal wells. A typical water analysis is attached for your information.

If you have any questions, please call me at (505) 326-9843.

Sincerely,

Loren W. Fothergill Senior Staff Engineer Foreman: GARY SBORNE

### STRICKCO

100.0

-0-

-0-

1.3

**Bicarbonate** 

Sulfate

Carbonate

Hydroxide

6,100

-0-

-0-

62

(Gra

### Water Analysis Laboratories FARMINGTON, NEW MEXICO 8740

				File WA/04	37/91
Company MERIDI	AN OIL INC.	Well Name Nor	dhaus #711	_ Sample NoOne	
Formation Fruitl	and Coal	Depth N/A		Sampled From P	roduced
Location WWA D	1-31N-9W	_ Field Basin	Fruitland C	ounty San Juan	State_N.M.
Date Sampled 4/2	9/91	Date Analyzed	5/1/91	_ Engineer WDS	
Total Dissolved Solids Resistivity 0.78	•		sured ph	Sp. Gr. 1.011	e64f, 4Measure
Constitu <b>ents</b>	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium .	136.5	3,138	Chloride	73.1	2,591

Scale: meg/L

560

122

-0-

27.9

10.0

-0-

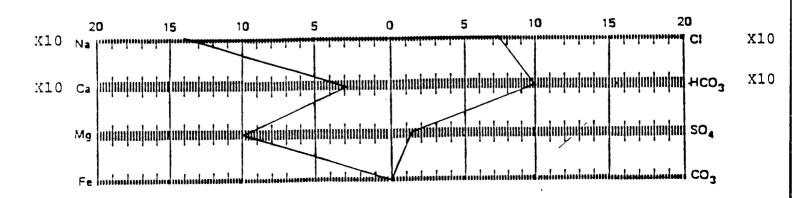
Absent

Calcium

Iron

Magnesium

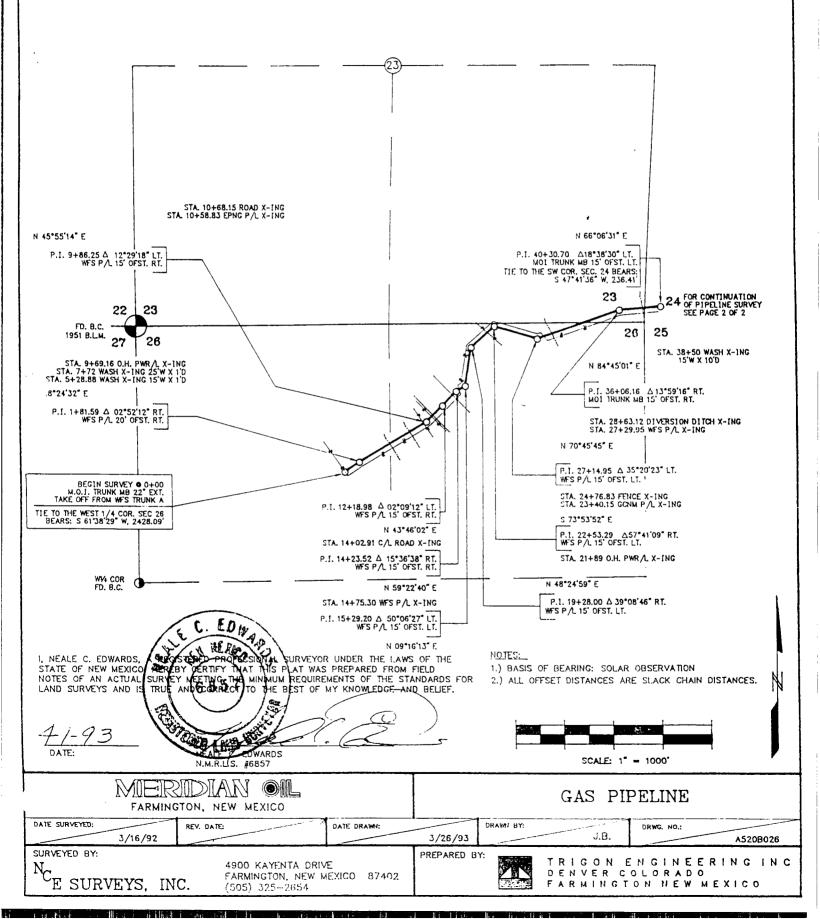
Hydrogen Sulfide

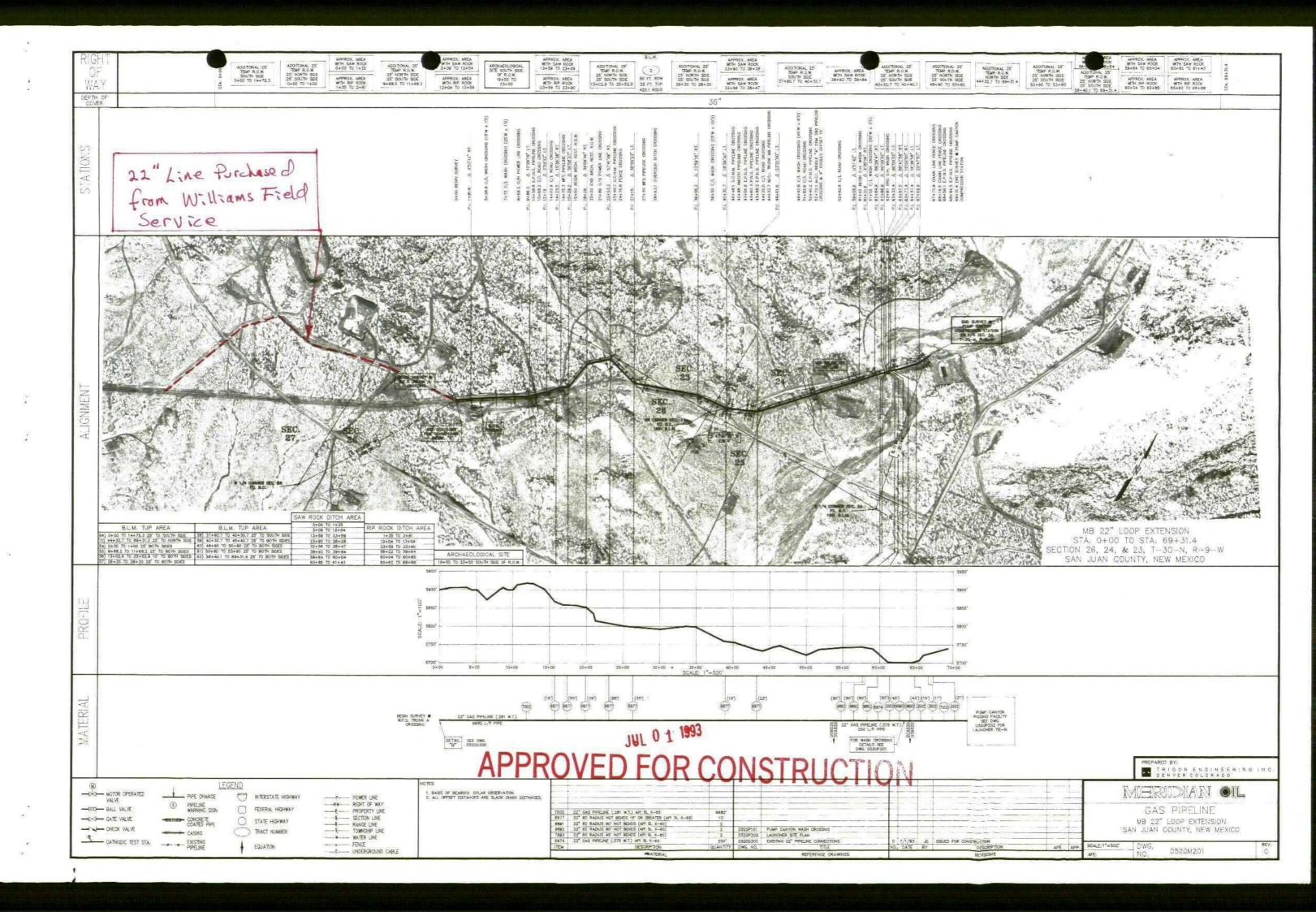


All analyses except iron determination performed on a filtered sample.

TRUN MB-22" LOOP EXTENSION
N1/2 SEC. 26, & E1/4 SEC. 23 T. 30 N., R. 9
SAN JUAN COUNTY, NEW MEXICO

B.L.M. 0+00 TO 40+30.70 4030.70 FT./ 244.28 RODS





June 24, 1993

State of New Mexico Oil Conservation Division P.O. Box 2088 Land Office Building Santa Fe, NM 87504-2088

ATTN: Mr Roger C Anderson Environmental Engineer

Dear Mr. Anderson:

Meridian Oil Gathering, Inc. is planning to hydrostatic test its Trunk MB 22" Loop west of it's Pump Canyon Compressor Station. The line is presently under construction. The lands is owned by the US. Government and managed by the BLM.

Trunk MB 22" Loop is constructed of 22 inch steel pipe, 6,931 feet long. The line will be tested in one closed loop. The amount of water required is 5,325 barrels of water. The test will be conducted at 90% of the specified minimum yield strength. Duration of the test will be 8 hours.

The water used in the test will be taken from storage tanks a salt water disposal well. Upon completion of the test, the water will be returned to one of Meridian's salt water disposal wells. A typical water analysis is attached for your information.

If you have any questions, please call me at (505) 326-9843.

Sincerely,

Loren W. Fothergill
Senior Staff Engineer

JUN 2 5 1993

OIL CONSERVATION DIV. SANTA FE Foreman: GARY 3BORNE

### STRICKCO

## Water Analysis Laboratories FARMINGTON, NEW MEXICO 87401

File WA/0437/91

Company MERIDIAN OIL INC. Well Name Nordhaus #711 Sample No. One

Formation Fruitland Coal Depth N/A Sampled From Produced

Location WWA DI-31N-9W Field Basin Fruitland County San Juan State N.M.

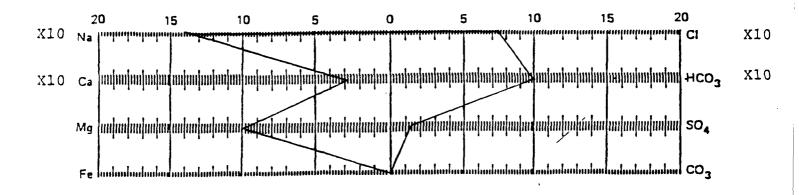
Date Sampled 4/29/91 Date Analyzed 5/1/91 Engineer WDS

Total Dissolved Solids 12,573 mg/L Calculated Sp. Gr. 1.011 @ 64 .f.

Resistivity 0.78 ohm-meters @ 64 .f. Measured pH 7.92 @ 64 .f. Measured

Constituents	meq/L	mg/L	Constituents	meq/L	mg/L	
Sodium _	136.5	3,138	Chloride _	73.1	2,591	
Calcium _	27.9	560	Bicarbonate	100.0	6,100	
Magnesium	10.0	122	Sulfate	1.3	62	 (Grav
Iron	-0-	-0-	Carbonate	-0-	-0-	_,,_,,
Hydrogen Sui	fide Absent		· Hydroxide _	-0-	-0-	<del></del>

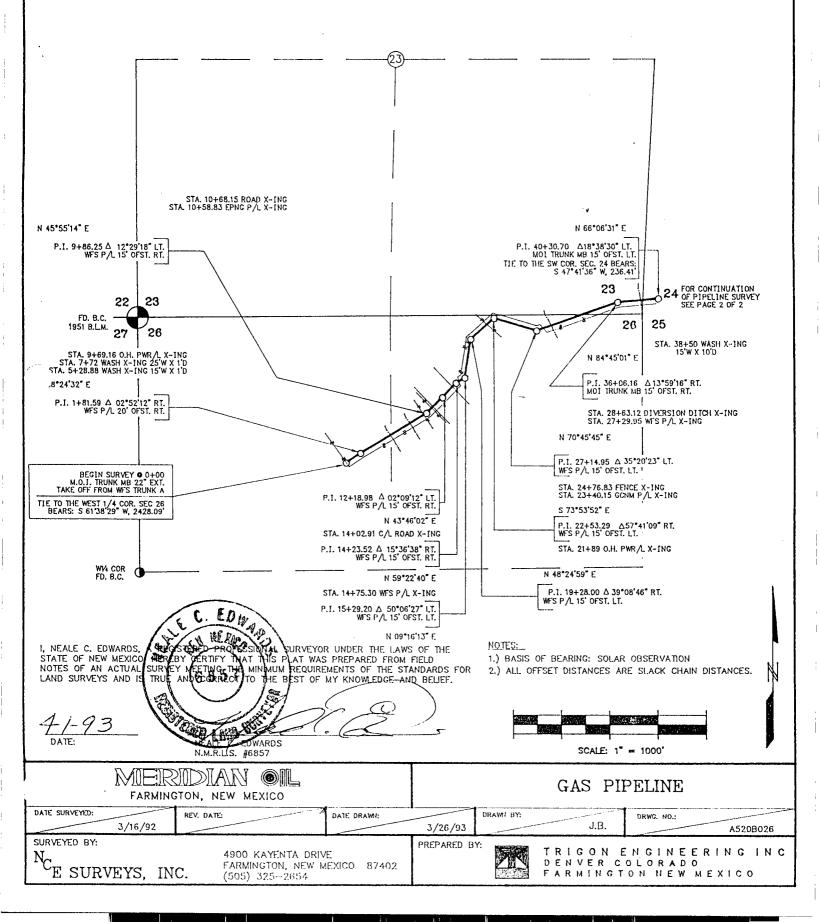
Scale: meq/L



All analyses except iron determination performed on a filtered sample.

TRUNK MB-22" LOOP EXTENSION
N1/2 SEC. 26, E1/4 SEC. 23 T. 30 N., R. 9 N.M.P.
SAN JUAN COUNTY, NEW MEXICO

B.L.M. 0+00 TO 40+30.70 4030.70 FT./ 244.28 RODS



OIL CONSER. ON DIVISION RESERVED

'92 007 15 PM 9 October 13, 1992

State of New Mexico Oil Conservation Division P.O. Box 2088 Land Office Building Santa Fe, NM 87504-2088

ATTN: Mr. Roger C. Anderson Environmental Engineer

Dear Mr. Anderson:

Meridian Oil Gathering Inc. is planning to hydrostatic test 22" Trunk MB Loop pipeline. This pipeline was recently purchased from Williams Field Service. The pipeline ties into Meridian's Trunk MB and runs from south of the Pump Canyon Compressor Station to near the William's Milagro Plant. This line is shown on the attached map. The 22" pipeline is 10.8 miles long. It crosses lands owned by the U.S. and managed by the BLM, as well as lands owned by the State of New Mexico and private individuals. All land owners are aware of this work and have agreed in principal to this testing plan.

This line is constructed of steel pipe. The line will be tested in three sections with a single test for each section. The line will require a total of 8,500 barrels of water for each test section. The test water will be pushed from one test section to another.

The tests will be conducted at a maximum test pressure of 1400 psi. Duration of each test will be 8 hours.

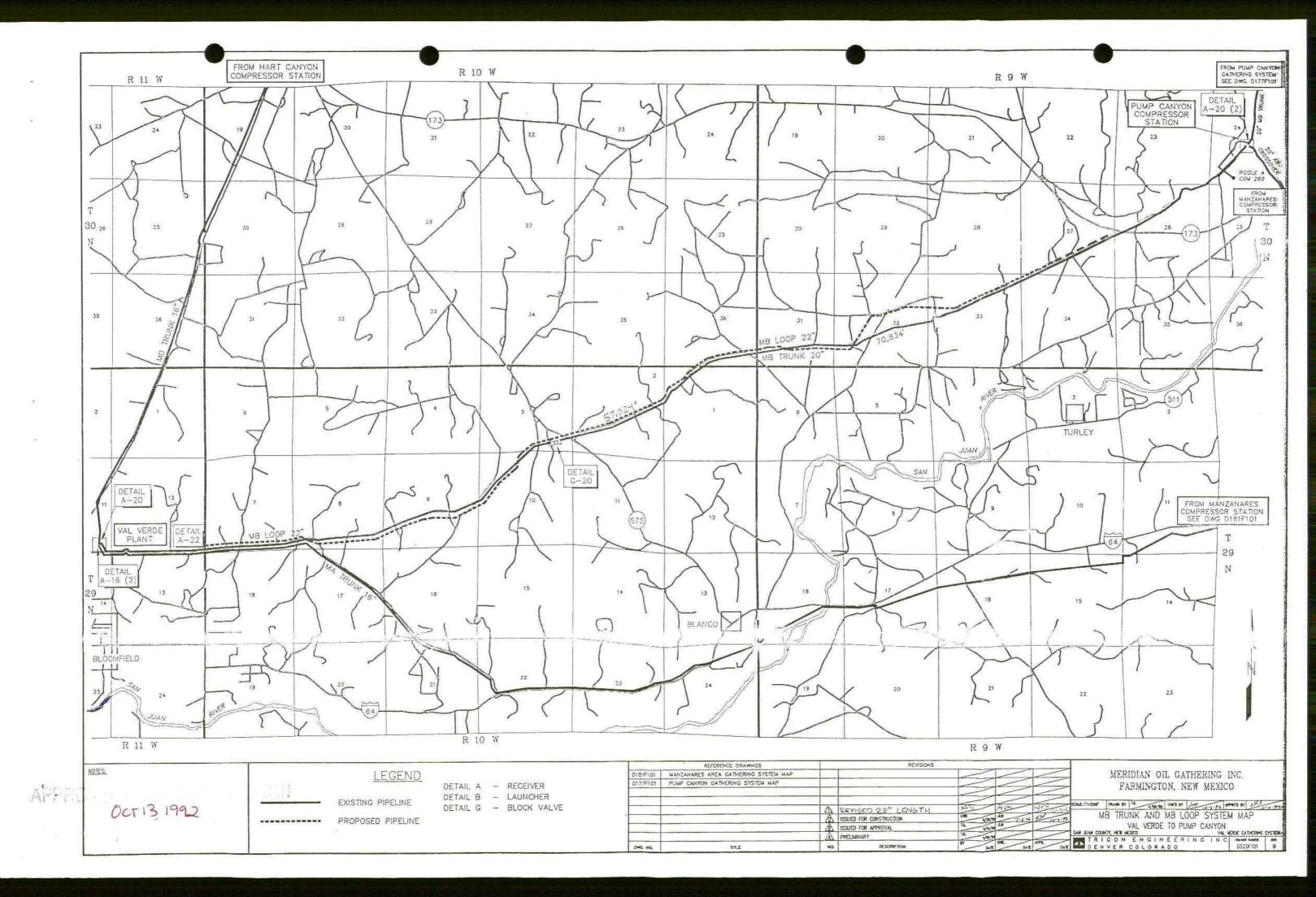
The water used in the tests will be taken from storage tanks at various well locations. Upon completion of the tests, the water they have been using will be taken to the salt water disposal well.

If you have any questions, please contact myself at (505) 326-9866 or John Enochs at (505) 325-1266.

Sincerely,

Rick Benson

Senior Staff Engineer



DIL CONSERS ON DIVISION RETURNED

192 月 23 日刊 8 5January 14, 1991

State of New Mexico Oil Conservation Division P.O. Box 2088 Land Office Building Santa Fe, NM 87504-2088

ATTN: Mr. Roger C. Anderson Environmental Engineer

Dear Mr. Anderson:

Meridian Oil Gathering Inc. is planning to hydrostatic test its Unicon Pump Canyon project pipelines. This includes main lateral MB-16, laterals MB-19 and MB-20, as well as the associated well ties. This system is shown on the attached map. These lines are presently under construction. They cross lands owned by the U.S. and managed by the BLM, as well as lands owned by the State of New Mexico and private individuals. All land owners are aware of this work and have agreed in principal to this testing plan.

All lines are constructed of steel pipe. The attached table illustrates line sizes and footages for the above mentioned laterals and well ties.

The system will be split into six separate closed loop test sections. More than one section may be under test at one time, the largest using 5,424 barrels of water. Portions of this water will be pumped into the remaining sections in sequence.

Tests will be conducted at 90% of the specified minimum yield strength for the 12 inch and 8 inch pipes respectively. Duration of each test will be 8 hours.

The water used in the tests will be taken from storage tanks at a salt water disposal well. Upon completion of the contractor's series of tests, the water they have been using will be returned to the salt water disposal well. A typical water analysis is attached for your information.

If you have any questions, please contact myself at (505) 326-9843 or Greg Thompson at (505) 325-1266.

Sincerely,

Loren W. Fothergill Senior Staff Engineer

Attachments

# MERIDIAN OIL GATHERING, INC. UNICON PUMP CANYON PROJECT LATERAL LINE SIZES AND FOOTAGES (INCLUDES ASSOCIATED WELL TIE FOOTAGES)

LINE	SIZE (O.D.)	FOOTAGE
Lateral MB-16	12.750 8.625 6.625 4.500 2.375	34,394 14,821 41,805 68,144 31,858
Lateral MB-19	6.625 4.500	8,975 172
Lateral MB-20	8.625 6.625 4.500 2.375	11,577 9,843 40,002 26,877

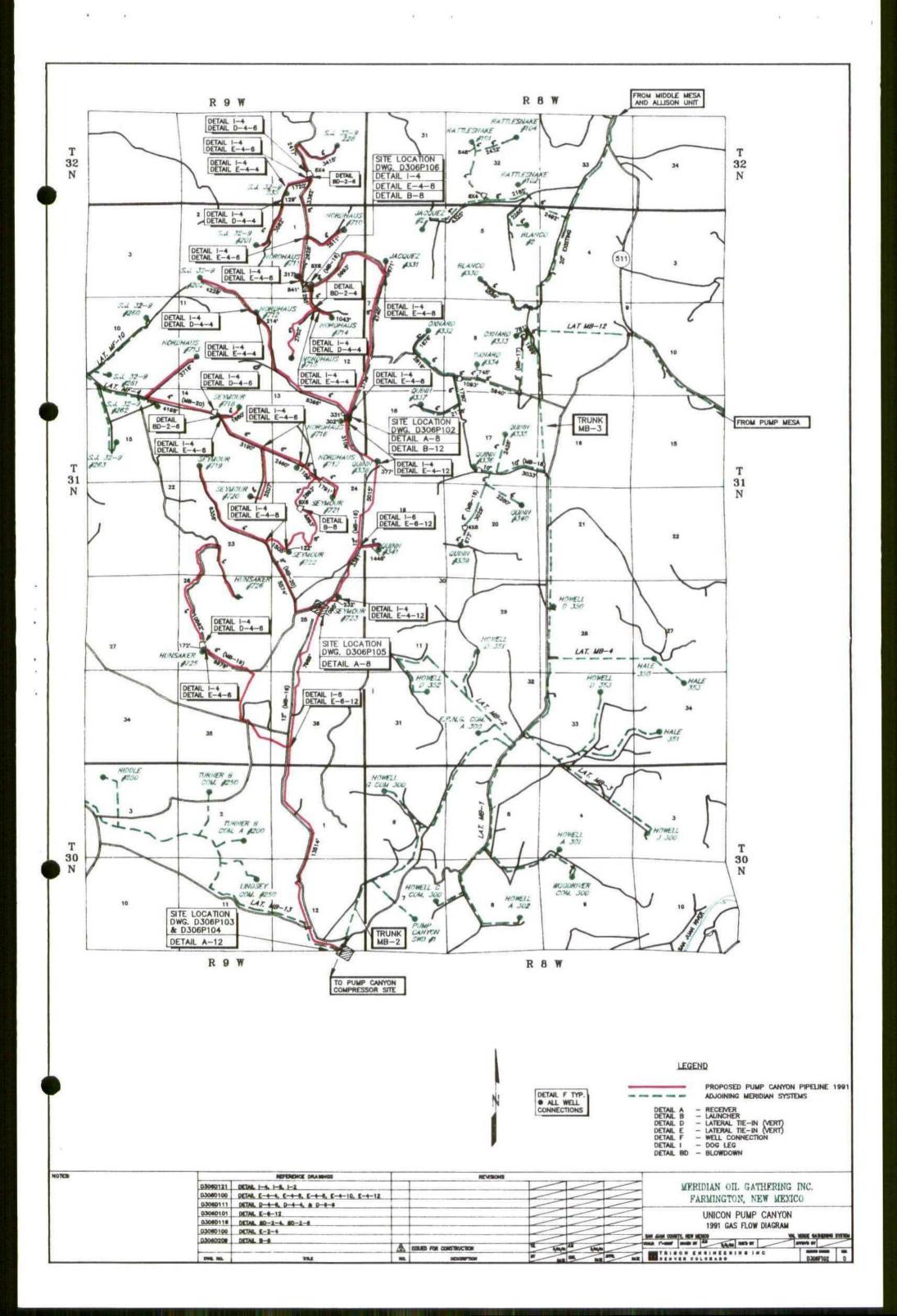
X10

WA/0616/91

### STRICKCO

Water Analysis Laboratories FARMINGTON, NEW MEXICO 87401

Company MERIDIAN OIL INC.	Well Name Cedar Hill SWD #1	Sample No. One
Formation Fruitland Coal	Ueptn N/A	Sempled From Produced
Location N/A	Field Basin Fruitland Cou	nty San Juan State N.M.
Date Sampled 11/13/91	Date Analyzed 11/14/91	EngineerWDS
Total Dissolved Solids 14,143 mg/L		Sp. Gr. 1.009 @ 65 -F,
Resistivity 0.78 ohm-meters 6	F. Measured pH_	7.96 @ 55 • Measured
		X Comments of the Comments of
Constituents meg/L	mg/L Constituents	meq/L, mg/L
\$3dium <u>138.1</u>	3,175 Chloride	40.1 1,420
Calcium 25.9	520 Sicarbonate	144.0 3,784
Magnesium 20.1	244 Sulfate	TR TR Grav
fr <b>on</b>	-0- Carbonate	-00-
Hydrogen Eulfide Absent		-00-
	Scale: meg/L	
20 15 10 X10 Na property and the second seco	elenden den den en e	10 15 20 X10
x10 c. helpining and miniming in the helpining in the	n lan lan krig majuri sa iluriyan bari mrikuri bari bari an lan lasi kuri	मानामानामानामानामानामानामा सक् <sub>उ</sub> ४१०



OIL CONSERV. WAN DIVISION RECEIVED

### MERIDIAN OIL

'91 NO 120 FM 8 40

November 15, 1991

State of New Mexico Oil Conservation Division P.O. Box 2088 Land Office Building Santa Fe, NM 87504-2088

ATTN: Mr. Roger C. Anderson Environmental Engineer

Dear Mr. Anderson:

Meridian Oil Gathering Inc. is planning to hydrostatic test its San Juan 32-9 Unit pipelines. This includes main Trunk MF, laterals MF-1, MF-3, MF-4, MF-5, and MF-6, as well as the associated well ties. This system is shown on the attached map. These lines are presently under construction. They cross lands owned by the U.S. and managed by the BLM, as well as lands owned by the State of New Mexico and private individuals. All land owners are aware of this work and have agreed in principal to this testing plan.

All lines are constructed of steel pipe. The attached table illustrates line sizes and footages for the above mentioned trunk and laterals.

The 32-9 unit system is being constructed by three separate contractors. Fourteen separate closed loop test sections will be split amongst these contractors. As many as five sections may be under test at any one time.

One contractor is building Trunk MF and laterals MF-5 and MF-6. This job will require eight separate tests, the largest using 6,014 barrels of water. Portions of this water will be pumped into the remaining sections in sequence.

A second contractor is constructing laterals MF-1 and MF-3. Three separate sections will be tested simultaneously, requiring a total of 5,413 barrels of water.

Lateral MF-4 is under construction by a third contractor who will be conducting three separate tests. It will take 1,251 barrels of water to fill the largest section. Portions of this water will be pumped into the other two sections in sequence.

Tests will be conducted at 90% of the specified minimum yield strength for the 16 inch, 12 inch, and 8 inch pipes respectively. Duration of each test will be 8 hours.

The water used in the tests will be taken from storage tanks at a salt water disposal well. Upon completion of each contractor's series of tests, the water they have been using will be returned to

the salt water disposal well. A typical water analysis is attached for your information.

If you have any questions, please contact myself at (505) 326-9843 or Greg Thompson at (505) 325-1266.

Sincerely,

Loren W. Fothergill Senior Staff Engineer

Attachments

### MERIDIAN OIL GATHERING, INC. SAN JUAN 32-9 UNIT TRUNK AND LATERAL LINE SIZES AND FOOTAGES

LINE	SIZE (O.D.)	FOOTAGE
Trunk MF	16.000 10.750 6.625	51,884 12,541 35,353
Lateral MF-1	12.750 8.625 6.625 4.500 2.375	16,212 12,041 16,212 16,560 4,519
Lateral MF-3	8.625 4.500	6,500 6,500
Lateral MF-4	8.625 6.625 4.500	15,381 3,694 20,748
Lateral MF-5	8.625 6.625 4.500 2.375	8,210 3,074 19,227 7,943
Lateral MF-6	6.625 4.500 2.375	10,231 10,455 6,205

X10

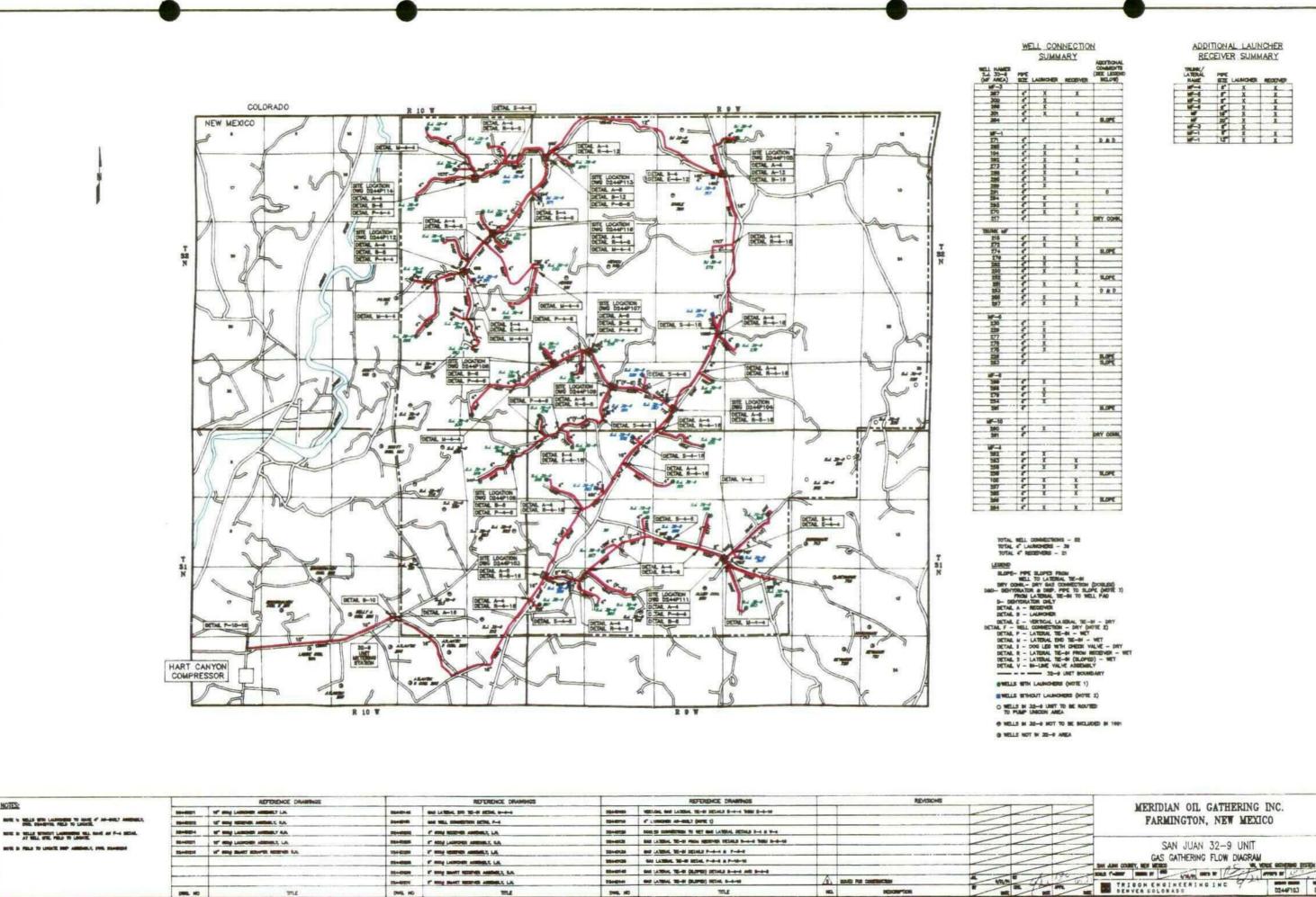
### STRICKCO

Water Analysis Laboratories FARMINGTON, NEW MEXICO 87401

			, dim	File WA/05	16/91
Company MERID	IAN OIL INC.	Well Name Ced	ar Hill SWD #1	. Sampie No. <u>On</u>	e
Formation Fruit	land Coal	Uepth N/A		. Sempled From P	roduced
Location N/A		Field Basin	Fruitland Co	unty San Juan	State N.M.
Date Sampled 11/	13/91	. Date Analyzed_	11/14/91	Engineer WDS	
Total Dissolved Solids					<u>@ 65</u> <b>.F</b> ,
Resistivity 0.78	ohm-meters e 6	<u>5 -⊦ Mea</u>	sured pH.	7.96 <u>a 6</u>	5 •F. Measured
Constituents	meq/L	mg/L	Constituents	me <b>q/L</b>	mg/L
S∋dium	138.1	3,175	Chloride	40.1	1,420
Calcium .	25.9	520	Bicarbonate	144.0	8,784
Magnesium .	20.1	244	Sulfate	TR	TR Grav.
, iron	-0-	-0-	Carbonate	-0-	
Hydrogen St	ulfide Absent		Hydroxide	-0-	-0-
		Sca	ie: meq/L		
20 X10 Na respectively	15 10 ողուդուս <del>ումբոլայումբովու</del> յ	<del>Madardarias (- minutes)</del> 2	<del>dun kesimikudundan kun</del> uduskul O	.10 15 ավորոսկա <mark>կակակար</mark> յու	hushadani Cl X10 <b>50</b>
			ipin hadindadhadhadhadiadhad	+	
Ca proper	eelengendrucksesherdrei grelg	nfacilitation industrialism	tkur hudenkurhenburhurturisejas		indiminal assess

All analyses except iron determination performed on a filtered sample.

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55400141 005 (A750A 16-81 (BLPRE)) DETAIL 9-4-18

TRACTOR IF MANY METERS ARREST LA

TITLE

DINE HO

TITLE

NOTES:

October 29, 1990

State of New Mexico Oil Conservation Division P.O. Box 2088 Land Office Building Santa Fe, NM 87504-2088

ATTN: Mr. Roger C. Anderson Environmental Engineer

Dear Mr. Anderson:

Meridian Oil Gathering Inc. is planning to hydrostatic test additional Pump Mesa Area pipelines. These lines include Trunk MB extension, lateral MB-12 and lateral MB-15 which are shown on the attached map. These lines are presently under construction. They cross lands owned by the U.S. and managed by the BLM, as well as lands owned by the State of New Mexico and private individuals. All land owners are aware of this work and have agreed in principal to this testing plan.

The Trunk MB extension is constructed of 61,195 feet of 20 inch 0.D. steel pipe. Lateral MB-12 consists of 17,042 feet of 16 inch 0.D. steel pipe and lateral MB-15 consists of 31,760 feet of 20 inch 0.D. steel pipe.

These pipelines will be tested as five separate closed loop sections. Copies of the testing plans for each section are attached for your information. Testing will begin at the south end of Trunk MB extension using 12,500 bbls of water. The trunk will be tested in three sections proceeding north using the same water as in the initial section. Lateral MB-12 will use 4,000 bbls. of water from the trunk line for its hydrostatic testing. The water used in trunk MB extension will be used to fill lateral MB-15. This lateral will require 11,600 bbls. of water.

Tests will be conducted at 90% of the specified minimum yield strength for the 20 inch and 16 inch pipes respectively. Duration of each test will be 8 hours.

The water used in the tests will be taken from storage tanks at a salt water disposal well. Upon completion of all the testing the water will be returned to the salt water disposal well. A typical water analysis is attached for your information.

If you have any questions, please contact myself at (505)326-9843 or Gerry Brower at (505)326-9806.

Sincerely,

Loren W. Fothergill
Senior Staff Engineer

GTB/LWF/d i Meridian Oil Inc., 3535 East 30th St., P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700

## TRUNK MB3 HYDROSTATIC TEST PRESSURES REVISED AS OF: 29-Oct-90

LOCATION	ELEV. FT.	PIPE	MAX		MAOP PSIG	RRTS REOD AOLAME
SECTION 1						
ES 530+00 TO 608+72		20"x.312 X60	ı			2,875
ES 608+72			1605	1515		
ES 549+56 LOW PT.	6100		1780	1685		
	6512		1600	1510		
SECTION 2						
ES 530+00 TO 342+55		20"x.312 X60	ı			6,825
ES 530+00 LOW PT.	6512		1780	1685		
ES 491+00 HIGH PT.	6970		1580	1487		
ES 342+55	6750		1683	1590		
SECTION 3						
ES 342+55 TO 1056+75		20"x.312 X60	)			12,480
ES 342+55 HIGH PT	6750		1636	1542		
	6420		1780	1685		
	6550		1722	1629		

# LATERAL MB-12 HYDROSTATIC TEST PRESSURES REVISED AS OF: 29-Oct-90

	LOCATION	ELEV. FT.	PIPE	TEST PRI MAX PSIG	ESSURES MIN PSIG	MAOP PSIG	TEST DATE	VOLUME REQD BBLS
SECT	10N 1							
ES 0+00	TO 170+42		16"x.250 X52					4,000
ES	0+00 MB-EXT START	6590		1510	1430			
ES	26+00 LOW PT.	6510		1545	1465			
ES	67+00 HIGH PT.	6730		1450	1370			
ES	170+42 CPD	6580		1515	1435			

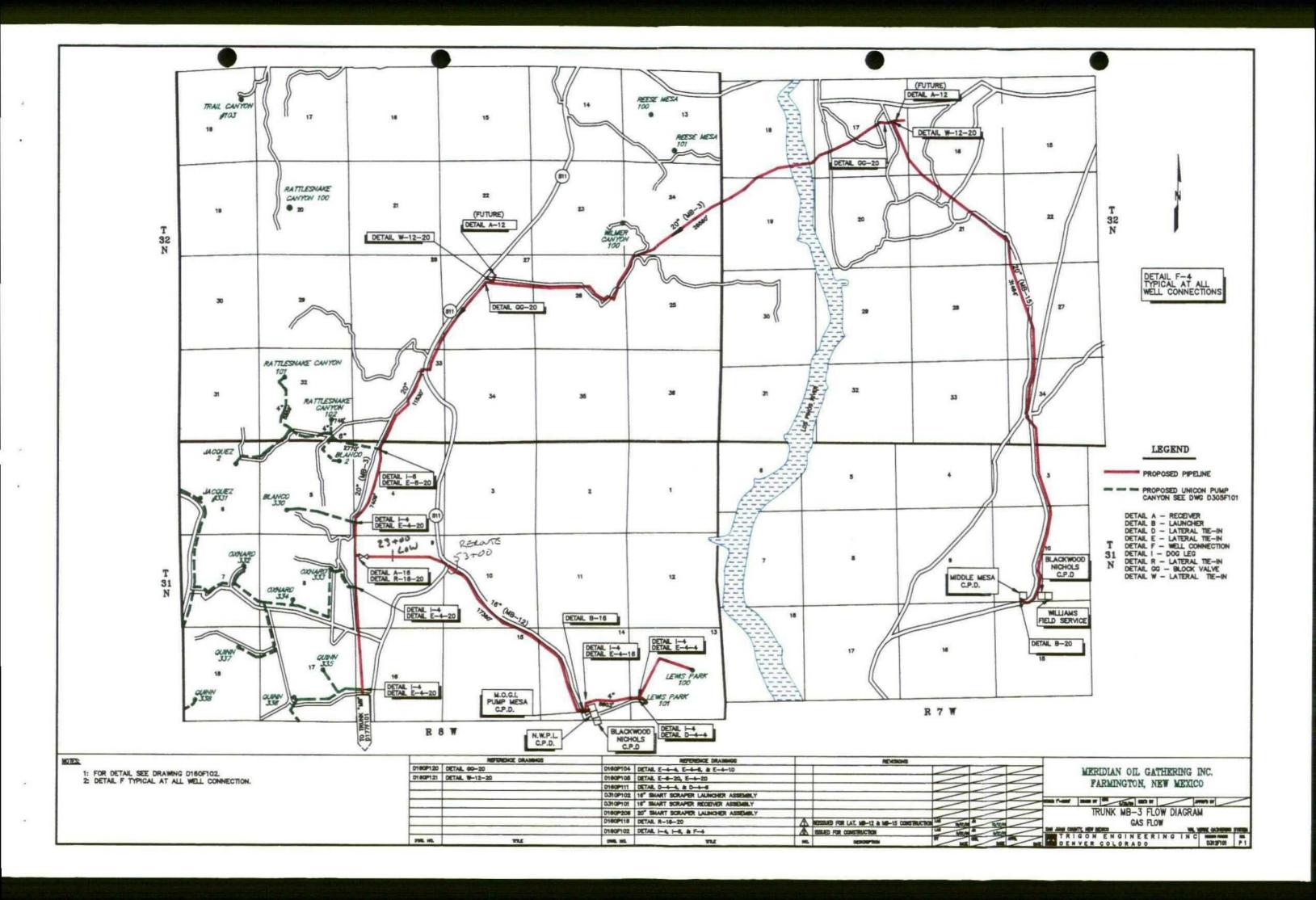
# LATERAL MB-15 HYDROSTATIC TEST PRESSURES REVISED AS OF: 29-Oct-90

	LOCATION	ELEV. FT.	PIPE	TEST PR MAX PSIG	ESSURES MIN PSIG	MAOP PS1G	TEST DATE	BBLS KEQU VOLUME
SECT	10N 1							
ES 0+00	TO 317+60		20"x.312 X60					11,600
ES	0+00 MB-EXT START	6495		1700	1600			
ES	55+00 LOW PT.	6315		1780	1680			
ES	200+68 HIGH PT.	6790		1575	1475			
ES	370+60 CPD	6580		1665	1565			



# API WATER ANALYSIS REPORT FORM

Company MERIDIAN	OIL COMPANY		Sample	No.	Date Sar	npled
Field -	Sal	Description		County or Parish	Į	State
Lease or Unit	Well 350		Depth For	Formution	Water, B/D	B/D
Type of Water (Produced, Bupply, etc.)	red, Bupply, etc.)	Sampling l'uint			Rampled Ry	l Ry
SGITOS GAATOSSIG		. 07	OTHER PROPERTIES	RTIES		i
CATIONS	mg/l	me/l pH	pH Specific Gravity, 60/60 F.	60/60 F. A. o		7.34
-	299	Con Con	sistivity (ohm	Resistivity (ohm-meters) 20 F. Conductivity		K mho
Magnesium, Mg Barium, Ba	77	1				
				Total Dissolved Solids (calc.) 2/500	lida (ca)	(c) 2/500
ANIONS	\ \	,	<b></b> 4	Iron, Fe (total)		
Chloride, Cl Sulfate, SO.	0 13/4	37.0	ţ <u>o</u>	Sulfide, as H <sub>2</sub> S		neg
Bicarbonate, HCOs	16041	231.0	H	remarks & re	COMMI	& RECOMMENDATIONS:
27 20	15	-5		75 2	- 8 - 6	25
20 14						1 01 / 10
						של צלים
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3×		7				or to
		7				3
		-				+ C3 +



'90 AUG 20 AM 8 52

August 17, 1990

State of New Mexico Oil Conservation Division P.O. Box 2088 Land Office Building Santa Fe, NM 87504-2088

ATTN: Mr. Roger C. Anderson Environmental Engineer

Dear Mr. Anderson:

Meridian Oil Gathering Inc. is planning to hydrostatic test its Pump Mesa Area Pipelines. This includes main Trunk MB and the lateral MB-13 as shown on the attached map. These lines are presently under construction. They cross lands owned by the U.S. and managed by the BLM, as well as lands owned by the State of New Mexico and private individuals. All land owners are aware of this work and have agreed in principal to this testing plan.

The Trunk MB is constructed of 34,141 feet of 20 inch 0.D. steel pipe. Lateral MB-13 consists of 36,822 feet of 8.625 inch 0.D. and 4,968 feet of 6.625 inch O.D. pipe.

These pipelines will be tested as two separate closed loop sections. Testing will begin at the north end of Trunk MB using 12,431 bbls of water. Lateral MB-13 will use 2,620 bbls of water as the 8.625 inch and 6.625 inch lines will be tested simultaneously. Tests will be conducted at 90% of the specified minimum yield strength for the 20 inch and 8 inch pipes respectively. Duration of each test will be 8 hours.

The water used in the tests will be taken from storage tanks at a salt water disposal well. Upon completion of the Trunk MB test, a portion of the water will be moved into lateral MB-13 to conduct its test. The balance will be returned to the salt water disposal well as will the water from MB-13 upon test completion. A typical water analysis is attached for your information.

If you have any questions, please contact Gerry Brower or myself at (505)326-9843.

Sincerely,

Loren w Feetengell Loren W. Fothergill

Senior Staff Engineer

LWF/dj



# API WATER ANALYSIS REPORT FORM

Company MERIDIAN	OIL COMPANY	Sample No.	Date Sampled	
Field -	Legal Description	County or Parish		
Lease or Unit	Well # 330	Depth Formation	Water, B/D	
Type of Water (Produced, Bupply, etc.)	ed, Bupply, atc.) Hampling Point	Point	Rampled By	
DISSOLVED SOLIDS		OTHER PROPERTIES		
CATIONS Sodium, Na (calc.) Calcium, Ca	mg/l me/l 549/2	pH Specific Gravity, 60/60 F. 40° Resistivity (ohm-meters) 40° F. Conductivity	1.34	Kmho
Barlum, Ba		Total Dissolved Solids (calc.)	olide (calc.) 2/500	
ANIONS Chloride, Cl Sulfate, SO,	1314 37.0	Iron, Fe (total) Sulfide, as H2S	gow.	
Carbonate, CO <sub>3</sub> Bicarbonate, HCO <sub>3</sub>	14091 231.0	REMARKS & R	REMARKS & RECOMMENDATIONS:	<i>::</i>
25 20	डे र्वा इंग	st ot s o	20 25	
20 II			8 / B	
3			ot <sub>E</sub> co <sub>3</sub> 10	
8			SOL 10	₩
			1 50 H	

OIL CONSIDERATION DIVISION LECEIVED

December 8, 1989 '89 DEC 11 AM 9 11

State of New Mexico Oil Conservation Division P.O. Box 2088 Land Office Building Santa Fe, NM 87504-2088

ATTN: Mr. Roger C. Anderson Environmental Engineer

Dear Mr. Anderson:

Meridian Oil Inc. is planning to Hydrostatic Test its Trunk MB Pipeline, which is shown on the attached map. The line is being constructed presently and crosses land owned by the U.S. and managed by the BLM, owned by the State of New Mexico and owned by private individuals. All land owners are aware of this work and have agreed in principal to this testing plan.

The trunk line consists of 71,365' of 20" 0.D. steel pipe and 1,861' of 4" 0.D. steel pipelines laying in the same ditch as a portion of the 20" pipe.

The system will be tested as a closed loop system in 3 sections. Testing will begin at the east end pigging facility and move west using 10,500 Bbls. of water. The water used for testing will be taken from the Trunk MA to Trunk MB Crossover pipeline, previously submitted for approved testing to your office. This water will be pumped from the crossover pipelines into the Trunk MB pipeline following a line scraper. When the first section is full (10,500 Bbls.) it will be pressure tested to 90% of specified minimum yield for 8 hours.

The water will then be moved forward in the pipelines by placing a trailing scraper behind the water and using compressed air to propel the water. This procedure will be used to move the water to the west end of the pipeline. Each section will be pressure tested to 90% SMYS before the water is moved.

At the completion of the Hydrostatic Testing of all the pipeline sections the water will be moved back to the east and pumped into trucks for haul to a water disposal well located in the southeast quarter of Section 7, T30N, R8W. The water will be pumped into this disposal well. A typical water analysis is also attached.

If you have any questions, please contact me or Gerry Brower at (505)326-9843.

Sincerely,

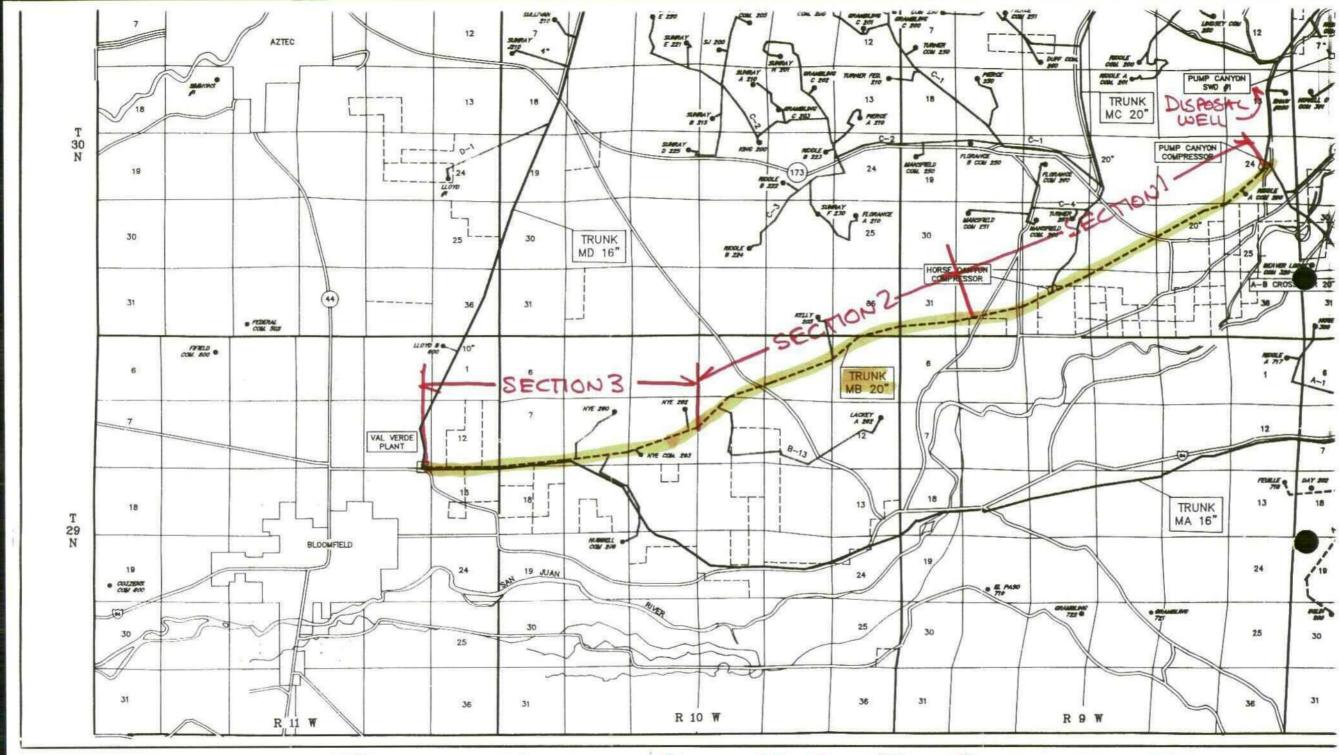
Loren W. Fothergill

Senior Staff Engineer

GTB/LWF/dj

xc: G.T. Brower

**W.L. Arnold**Meridian Oil Inc., 3535 East 30th St., P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700



TRUNK MB HYDROTEST SECTIONS, SAN JUAN COUNTY, NEW MEXICO

### TRUNK MB HYDROSTATIC TEST PLAN

LOCATION	ELEV.	PIPE	TEST PR	ESSURES	MAOP	VOLUME
	FT.		MIN	MAX	PSIG	REGD
			PSIG	PSIG		BBLS
SECTION 1 ES 712+05 TO 459+90 (	3AS	20"X.344"X52			1190	9900
ES 712+050 - PUMP CANYON STA	5740		1590	1680		
HIGH PT	5910		1495	1585		
PUMP CANYON WASH - LOW PT	5695		1610	1700		
ES 459+90 - SECTION END	5770		1580	1670		
SECTION 2 ES 459+90 TO 221+00 (	3AS	20"X.344"X52			1190	9300
ES 459+90 - SECTION START	5770		1590	1680		
HIGH PT	6000		1490	1580		
LOW PT	5725		1610	1700		
ES 221+00 - SECTION END	5725		1610	1700		
SECTION 3 ES 221+00 TO 0+00 GAS	ā	20"X.344"X52			1210	8700
ES 221+00 - SECTION START	5725		1575	1665		
HIGH PT	5860		1520	1610		
LOW PT	5645		1610	1700		
ES 0+00 - VAL VERDE	5660		1605	1695		
SECTION 3A ES 712+05 TO 695+91	GAS	4"X.188"X42			1500	32
ES 712+050 - PUMP CANYON STA	5740		1875	1980		
HIGH PT	5740		1875	1980		
PUMP CANYON WASH - LOW PT	5695		1895	2000		
ES 695+91 - SECTION END	5740		1875	1980		



		Samule No.	Date Sampled
MERIDIAN	OTL COSPANY		
Field	Legal Description	County or Parish	arish State
Lease or Unit	30-1- 439	Depth Formation	Water, B/D
Mater (Pro	ed, Supply, etc.)   Sampling Point	Point	Sampled By
DISSOLVED SOLIDS	٠	OTHER PROPERTIES	11. *
CATIONS Sodium, Na (calc.) Calcium, Ca	mg/l me/l (4/2 2/0.0	pH Specific Gravity, 60/60 F. Resistivity (olim-nieters)	72°F59
		Total Dissolv	Total Dissolved Solids (calc.) 3 (100)
ANIONS Chloride, Cl Sulfate, SO,	781 2.2.0	Iron, Fe (total) Sulfide, as H <sub>2</sub> S	SI WES
Carbonate, CO3 Bicarbonate, HCO3	14104 364.0	REMARKS	REMARKS & RECOMMENDATIONS:
25 20	15 10 \$	2, 10, 15	20 25
			97 / 13
			170
			T. E
*			