29

STATE OF NEW MEXICO
ENERGY and MINERALS DEPARTMENT

Location of Well: M292708 Page 1

OIL CONSERVATION DIVISION
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:BOLACK C LS 013
Meter #:74671 RTU:1-048-07 County:SAN JUAN

	NAME RESERVOIR OR POOL	TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	BOLACK C LS 013 SBPC 74670 1-47-7	GAS	FLOW	TBG
LWR COMP	BOLACK C LS 013 BMV 74671 NR	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilzed
UPR COMP	9/19/93	72 Hrs	198	Yes
LWR COMP	9/22/93	8	223	NO

FLOW TEST DATE NO.1

Commenced at (hour,date)* Zone Producing (Upr/Lwr)

TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE Upper	PRESSURE Lower	Prod Temp.	REMARKS
9/22/93	Day 1	198	223	78	Both Zones SI
9/23/93	Day 2	198	234	80	Both Zones SI
9/24/93	Day 3	199	242	79	Both Zones SI
9/25/93	Day 4	198	231	77	
9/26/93	Day 5	198	221	80	
9/27/93	Day 6	198	220	81	

Production rate during test
Oil: .75 BOPD based on 2 1/2 BBLs in 72 Hrs 37 Grav ___ GOR ___
Gas: 49 MFCPD:Tested theu (Orifice or Meter):METER

MID-TEST SHUT-IN PRESSURE DATA

	Hour,Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/no)
UPR COMP				
LWR COMP				

(Continue on reverse side)

OCT 21 1993
OIL CON. DIV.
DIST. 3

FLOW TEST NO. 2

Commenced at (hour, date)**				Zone producing (Upper or Lower):	
TIME (hour, date)	LAPSED TIME SINCE **	PRESSURE Upper Completion	PRESSURE Lower Completion	PROD. ZONE TEMP.	REMARKS

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: _____ MCFPD: Tested thru (Orifice or Meter): _____

Remarks: _____

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

Approved OCT 21 1993 19__
New Mexico Oil Conservation Division

By _____

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator Amoco Production Company

By Susan Woods

Title Field Technologist

Date 10-18-93

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.

7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

M-29-27-8

STATE OF NEW MEXICO
ENERGY and MINERALS DEPARTMENT

Location of Well: M292708 Page 1

OIL CONSERVATION DIVISION
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:BOLACK C LS 013
Meter #:74670 RTU:1-047-07 County:SAN JUAN

	NAME RESERVOIR OR POOL	TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	BOLACK C LS 013 SBPC 74670	GAS	FLOW	TBG
LWR COMP	BOLACK C LS 013 BMV 74671	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilzed
UPR COMP	05/26/95 7:00 AM	72 HRS	178	Y
LWR COMP	05/26/95 7:00 AM	72 Hrs.	271	Y

FLOW TEST DATE NO.1

Commenced at (hour,date)* Zone Producing (Upr/Lwr)

TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE Upper	PRESSURE Lower	Prod Temp.	REMARKS
05/26/95	Day 1	147	268		Both Zones SI
05/27/95	Day 2	170	292		Both Zones SI
05/28/95	Day 3	176	298		Both Zones SI
05/29/95	Day 4	178	271		Flow Lower Zone
05/30/95	Day 5	178	266		" " "
05/31/95	Day 6	178	267		" " "

Production rate during test
Oil:_____ BOPD based on _____ BBLs in _____ Hrs _____ Grav___ GOR ___
Gas:_____ MFCPD:Tested theu (Orifice or Meter):METER

MID-TEST SHUT-IN PRESSURE DATA

	Hour,Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/no)
UPR COMP				
LWR COMP				

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JUN - 7 1995
OIL CON. DIV.
DIST. 3

SO. LARGO -50 BEGAY

(Continue on reverse side)

FLOW TEST NO. 2

Commenced at (hour, date)** | Zone producing (Upper or Lower)

TIME (hour, date)	LAPSED TIME SINCE**	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: _____ MCFPD: Tested thru (Orifice or Meter): _____

Remarks: _____

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

Approved Johnny Robinson 19 ___
New Mexico Oil Conservation Division
JUN 0 7 1995
DEPUTY OIL & GAS INSPECTOR

By _____

Title _____

Operator Amoco Production Company

By Sheri Bradshaw

Title Field Tech

Date 6/6/95

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.

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24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

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M-29-27-8

STATE OF NEW MEXICO
ENERGY and MINERALS DEPARTMENT

Location of Well: M292708 Page 1

OIL CONSERVATION DIVISION
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:BOLACK C LS 013
Meter #:74671 RTU: - - County:SAN JUAN

	NAME RESERVOIR OR POOL	TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	BOLACK C LS 013 SBPC 74670 1602	GAS	FLOW	TBG
LWR COMP	BOLACK C LS 013 BMV 74671 1603	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilzed
UPR COMP	09/12/96	72 HRS	195	Y
LWR COMP	09/12/96	72 HRS	269	Y

FLOW TEST DATE NO.1

Commenced at (hour,date)* Zone Producing (Upr/Lwr)

TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE Upper	PRESSURE Lower	Prod Temp.	REMARKS
09/12/96	Day 1	132	272		Both Zones SI
09/13/96	Day 2	178	294		Both Zones SI
09/14/96	Day 3	195	297		Both Zones SI
09/15/96	Day 4	195	269		Flow Lower Zone
09/16/96	Day 5	195	269		" " "
09/17/96	Day 6	195	264		" " "

Production rate during test
Oil:_____ BOPD based on _____ BBLs in _____ Hrs _____ Grav___ GOR ___
Gas:_____ MFCPD:Tested theu (Orifice or Meter):METER

MID-TEST SHUT-IN PRESSURE DATA

	Hour,Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/no)
UPR COMP				
LWR COMP				

(Continue on reverse side)

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SEP 24 1996
OIL CON. DIV.
DIST. 3

cc Reclam

FLOW TEST NO. 2

Commenced at (hour, date) **				Zone producing (Upper or Lower):	
TIME (hour, date)	LAPSED TIME SINCE **	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: _____ MCFPD: Tested thru (Orifice or Meter): _____

Remarks: _____ B

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

Approved _____ 19____
New Mexico Oil Conservation Division
Deputy Oil & Gas Inspector

By SEP 26 1996

Title _____

Operator Amoco Production Company

By Sheri Bradshaw

Title Field Tech 9/23/96

Date _____

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

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District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 RioBrazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address	2 OGRID Number
CROSS TIMBERS OPERATING COMPANY 6001 Highway 64 Farmington, NM 87401	167067
	3 Reason for Filing Code Change of Operator ~~12/1/97~~ 1/1/98

4 API Number	5 Pool Name	6 Pool Code
30-045-06200	S BLANCO PICTURED CLIFFS	72439
7 Property Code	8 Property Name	9 Well Number
	BOLACK C LS	13

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	29	27N	08W		960	S	800	W	SJ

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
F					

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description

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OIL CON. DIV.
DIST. 3

IV. Produced Water

23 POD	24 POD ULSTR Location and Description

V. Well Completion Data

25 Spud Date	26 Ready Date	27 TD	28 PBTD	29 Perforation	30 DHC,DC,MC

31 Hole Size	32 Casing and Tubing Size	33 Depth Set	34 Sacks Cement

VI. Well Test Data

35 Date New Oil	36 Gas Delivery Date	37 Test Date	38 Test Length	39 Tbg. Pressure	40 Csg. Pressure
41 Choke Size	**42 Oil**	**43 Water**	**44 Gas**	**45 AOF**	**46 Test Method**

47 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete tothe best of my knowledge and belief.
Signature: Vaughn O. Vennerberg II

Printed Name: Vaughn O. Vennerberg, II
Title: Sr. Vice President-Land
Date: December 1, 1997 Phone: (505) 632-5200

OIL CONSERVATION DIVISIO
Approved by: Frank T. Chavez
Title: Supervisor District #3
Approval Date:

48 If this is a change of operator fill in the OGRID number and name of the previous operator Amoco Production Company OGRID# 000778

Gail Jefferson — Gail Jefferson — Senior Administrative Staff Assistant — 12/01/97
Previous Operator Signature | Printed Name | Title | Date

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 RioBrazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Engery, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
CROSS TIMBERS OPERATING COMPANY 6001 Highway 64 Farmington, NM 87401	167067
	[3] Reason for Filing Code Change of Operator ~~12/1/97~~ 1/1/98

[4] API Number	[5] Pool Name	[6] Pool Code
30-045-06200	BLANCO MESAVERDE	72319
[7] Property Code	[8] Property Name	[9] Well Number
	BOLACK C LS	13

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	29	27N	08W		960	S	800	W	SJ

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F					

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description

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OIL CON. DIV.
DIST. 3

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforation	[30] DHC,DC,MC

[31] Hole Size	[32] Casing and Tubing Size	[33] Depth Set	[34] Sacks Cement

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
[41] Choke Size	[42] Oil	[43] Water	[44] Gas	[45] AOF	[46] Test Method

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature: Vaughn O. Vennerberg, II

Printed Name: Vaughn O. Vennerberg, II
Title: Sr. Vice President-Land
Date: December 1, 1997 Phone: (505) 632-5200

OIL CONSERVATION DIVISIO
Approved by: Frank T. Chavez
Title: Supervisor District #3
Approval Date:

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
Gail Jefferson	Gail Jefferson	Senior Administrative Staff Assistant	12/01/97

Amoco Production Company OGRID# 000778

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
811 S. First St., Artesia, NM 88210-2835
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A
New 3-12-96

APPROVAL PROCESS:
___Administrative ___Hearing

EXISTING WELLBORE
X YES ___NO

Cross Timbers Operating Company — Operator
2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM 87401 — Address

Bolack C LS — Lease
#13 — Well No.
M 29 27N 08W — Unit Ltr. - Sec - Twp - Rge
San Juan, NM — County

OGRID NO. 167067 Property Code 022596 API NO. 3004506200
Spacing Unit Lease Types: (check 1 or more) Federal X, State ___, (and/or) Fee ___

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1 Pool Name and Pool Code	S. Blanco Pictured Cliff 72430		Blanco Mesaverde 72319
2. Top and Bottom of Pay Section (Perforations)	2378'-2388' (perf'd) 2394'-2420' (perf'd)		4630'-4762' (perf'd)
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 134 psia (calc) b. (Original) 685 psia (calc)	a. b.	a. 404 psia (calc) b. 1125 psia (calc)
6. Oil Gravity (°API) or Gas BTU Content)	1191		1317
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-in, give date and oil/gas/ water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/ water rates of recent test (within 60 days)	Date: 02/09/99 Rates: 60 mcfd 0 bwpd 0 bopd	Date: Rates:	Date: 02/09/99 Rates: 23 mcfd 0 bwpd 0 bopd
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 0 % Gas: 56 %	Oil: % Gas: %	Oil: 100 % Gas: 44 %

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RECEIVED MAR - 3 1999 OIL CON. DIV. DIST. 3

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? X Yes ___No
If not, have all working, overriding, and royalty interests been notified by certified mail? ___Yes ___No
Have all offset operators been given written notice of the proposed downhole commingling? X Yes ___No

11. Will cross-flow occur? ___Yes X No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ___Yes ___No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? X Yes ___No

13. Will the value of production be decreased by commingling? ___Yes X No (If Yes, attach explanation)

14. If this well in on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. X Yes ___No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____

16. ATTACHMENTS:
* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
* Production curve for each zone for at least one year. (If not available, attach explanation.)
* For zones with no production history, estimated production rates and supporting data.
* Data to support allocation method or formula.
* Notification list of all offset operators.
* Notification list of working, overriding, and royalty interests for uncommon interest cases.
* Any additional statements, data, or documents required to support commingling.

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

SIGNATURE J W Patton TITLE _____ DATE 2-18-99

TYPE OR PRINT NAME Jeffery W Patton TELEPHONE NO. (505) 324-1090

Form C-128 (6-57)

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date JANUARY 28, 1958

Operator EL PASO NATURAL GAS COMPANY Lease BOLACK SF 079232

Well No. 13-C (PM) Unit Letter M Section 29 Township 27 N Range 8 W NMPM

Located 960 Feet From SOUTH Line, 800 Feet From WEST Line

County SAN JUAN G. L. Elevation 6385 Dedicated Acreage 320 & 160 Acres

Name of Producing Formation MESA VERDE & PICTURED CLIFF Pool BLANCO EXT. & SO. BLANCO PC

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
   Yes X No
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ____ No ____. If answer is "yes", Type of Consolidation.
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner	Land Description

RECEIVED
JAN 31 1958
GEOLOGICAL SURVEY

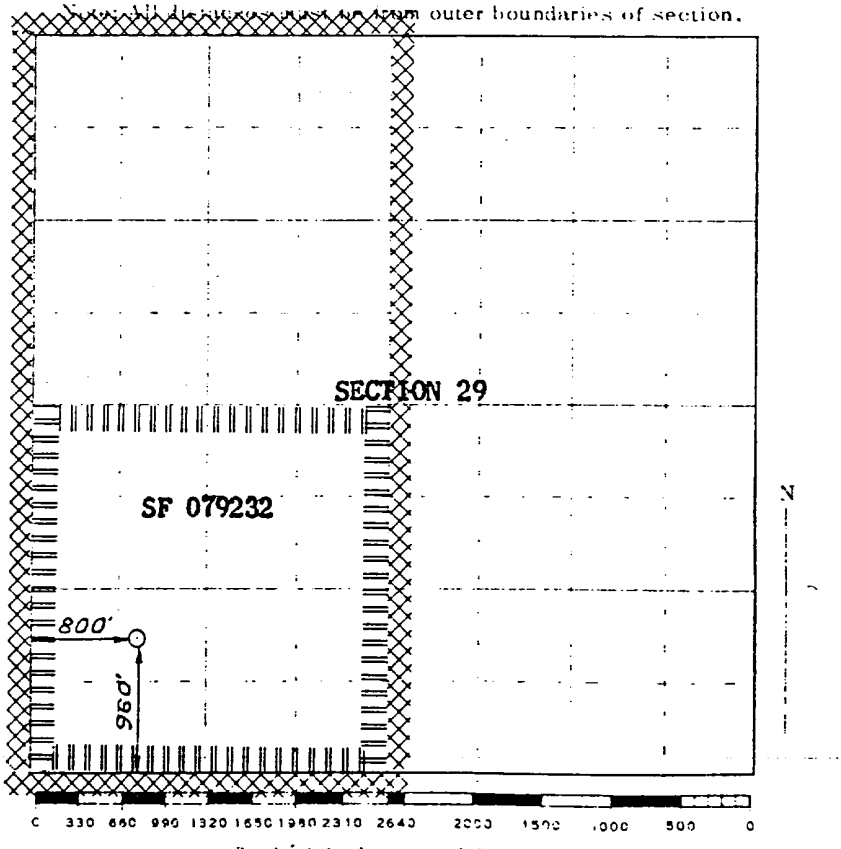
RECEIVED
MAR - 3 1999
OIL CON. DIV.
DIST. 3

Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Company
(Operator)
Original Signed D. C. Johnston
(Representative)
Box 997
(Address)
Farmington, New Mexico

Note: All distances must be from outer boundaries of section.



Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Date Surveyed NOVEMBER 20, 1957

David O. Kirkman

Registered Professional Engineer and/or Land Surveyor

Farmington, New Mexico

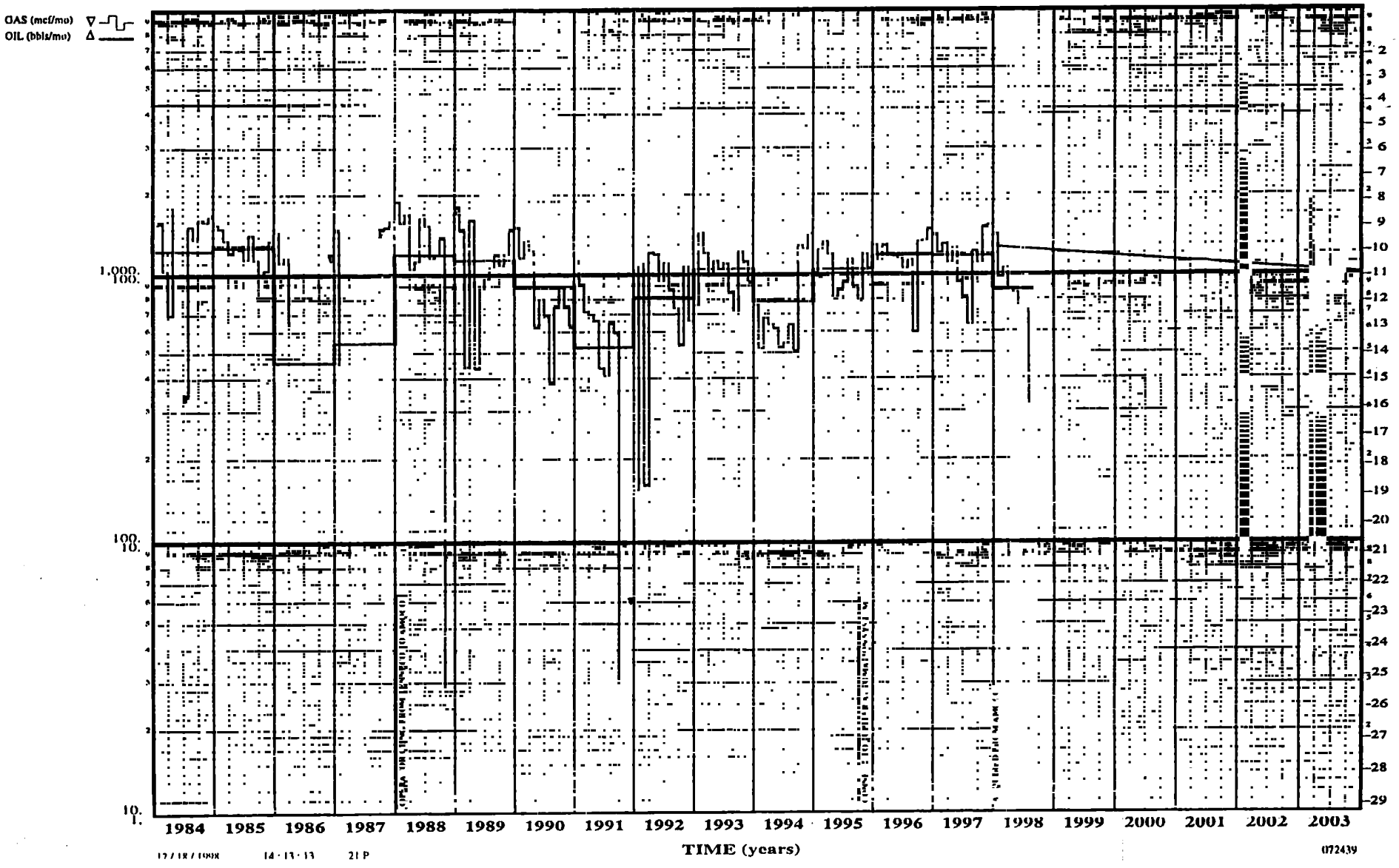
Cross Timbers Oil Company

BOLACK C 13
CROSS TIMBERS
BLANCO S (PICTURED CLIFFS)
SAN JUAN, NEW MEXICO

CO	*29M 27N 08W*	*SAN JUAN*
072439	*BGV*	*70091*

Run Date : 03/19/98
Run Time: 10:42:22

M & I 1/98 FORECAST *JWP DLM CP-K-I.DR*



Cross Timbers Oil Company

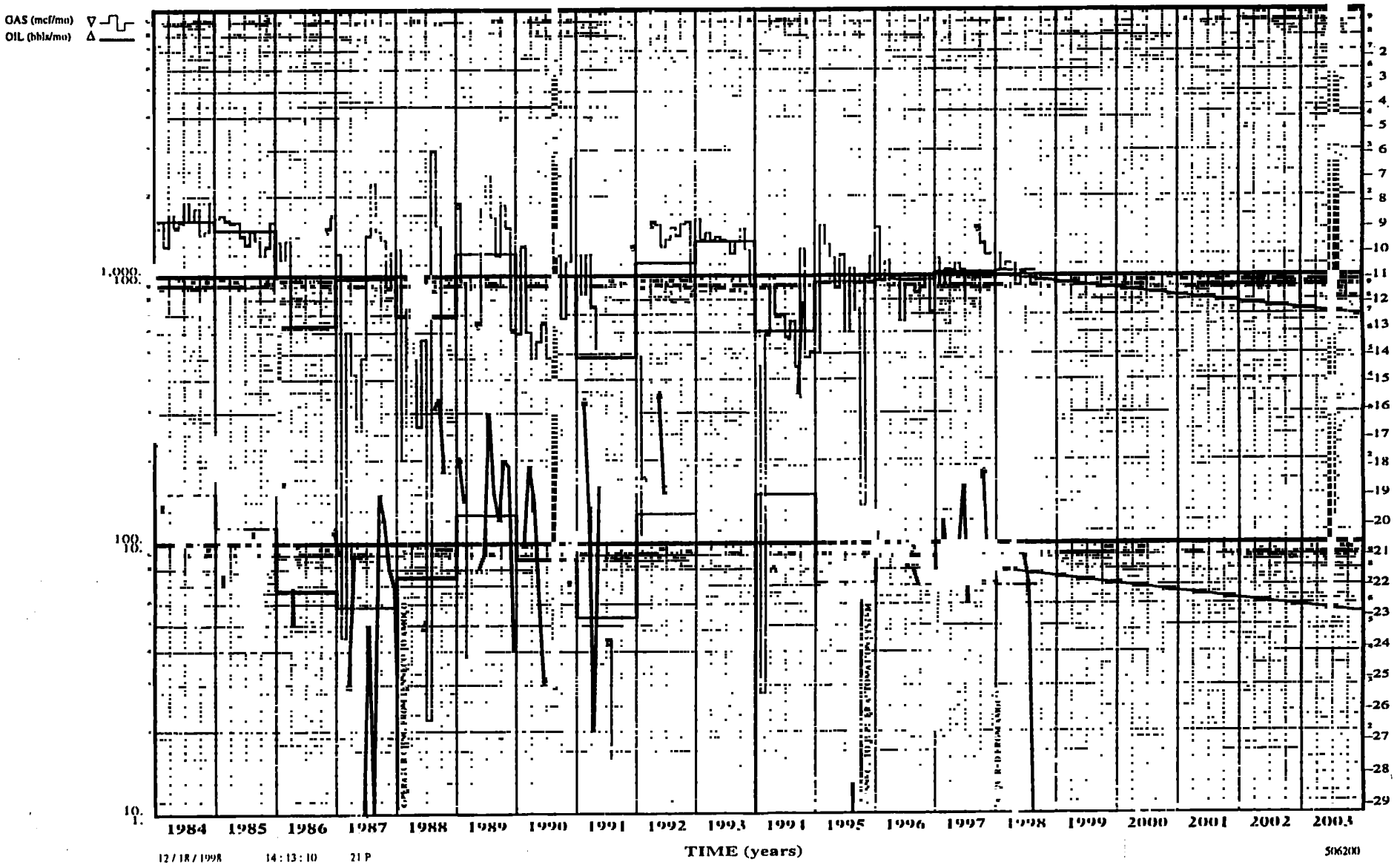
BOLACK C 13

CROSS TIMBERS
BLANCO (MESAVERDE)
SAN JUAN, NEW MEXICO

CO | *29M 27N 08W* | *SAN JUAN*
506200 | *BGV* | *70090*

Run Date: 03/19/98
Run Time: 10:42:06

M & L - 1/98 FORECAST *JWP DLM CP-K-LDR*



Cross Timbers Operating Company

Re: Administrative Approval to Downhole Commingle
Cross Timbers Operating Co.
Bolack "C" LS #13
960' FSL & 800' FWL Sec. 29, T27N, R08W
San Juan County, New Mexico

Dear Offset Operator,

As an offset operator to the above mentioned well, you are hereby notified that Cross Timbers Operating Co is filing for downhole commingle approval.

As an offset operator, you have the right to file an objection to the commingling of the above mentioned well within twenty (20) days starting upon receipt of this letter. If you do not have any objections to the above well being commingled, you can either sign this letter waiving your rights to an objection or let the twenty days, upon receipt of this letter, expire.

Please return this letter or a letter of objection to Mr. David Catanach at the address listed.

Mr. David Catanach
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Cross Timbers Oil Co sincerely appreciate your prompt response concerning this approval.

Burlington Resources Oil & Gas	Signature:
Greystone Energy	Signature:
Roddy Production.	Signature:

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED
99 FEB 23 PM 12:53
070 FARMINGTON NM
RECEIVED
MAR - 3 1999
OIL CON. DIV.
DIST. 3

5. Lease Serial No.
SF 079232

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
~~Black~~ Becker C LS #13

2. Name of Operator
Cross Timbers Operating Company

9. API Well No.
3004506200

3a. Address
2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM 87401

3b. Phone No. *(include area code)*

10. Field and Pool, or Exploratory Area
S Blanco Pictured Cliffs
Blanco Mesaverde

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
960' FSL & 800' FWL Sec 29, T27N, R08W

11. County or Parish, State
Sna Juan NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other DHC
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Coommpleted Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Cross Timber Operating Co. has applied to the NMOCD for downhole commingle approval on the above mentioned well. Enclosed is a copy of the application (C-107A)that Cross Timbers has submitted.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* J. L. Patton

Title Production Engineer

Date 2/19/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by /S/ Duane W. Spencer

Title Team Lead, Petroleum Management

MAR - 1 1999

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

NMOCD

Cross Timbers Operating Company

RECEIVED
SEP 23 PM 2:53

Ms. Lori Wrotenbery
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Administrative Approval to Downhole Commingle
Cross Timbers Operating Co.
Bolack "C" LS #13
960' FSL & 800' FWL Sec. 29, T27N, R08W
San Juan County, New Mexico

Dear Ms. Wrotenbery,

Cross Timbers Operating Company hereby request administrative approval to downhole commingle the Blanco Mesaverde and South Blanco Pictured Cliffs pools in the above mentioned well. The well was originally completed as a dual completion with the Mesaverde being produced under a packer and up the tubing and the Pictured Cliffs being produced up the casing. Currently both the Mesaverde and Pictured Cliffs are producing. Through internal analysis it appears that both zones have been under produced. Most wells in this area (primarily Mesaverde wells) are very susceptible to liquid loading problems. Therefore to improve the recovery of liquids and to improve the ultimate recovery of production, Cross Timbers Operating Company is certain that if both zone are approved for downhole commingle then the above objectives can be obtained.

To comply with New Mexico Oil Conservation Rules, Cross Timbers Operating Co is submitting the following data for your approval of the proposed commingling:

1. C-107A Application for Downhole Commingle
2. C-102 Well Location & Acreage Dedication Plat
3. Production curves for both the Mesaverde & Pictured Cliffs Formation
4. Offset Operators Plat
5. Well Location Plat

In accordance to New Mexico Oil Conservation Division Rule 303C, all offset operators are being notified of this application. As an offset operator, if you do not have any objections to this application, you do not have to respond to this notification.

If additional information is needed, please feel free to contact Cross Timbers Operating Co.

Sincerely,

Jeffery W. Patton
Production Engineer

CC: NMOCD –Aztec, Offset Operators, BLM

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
811 S. First St., Artesia, NM 88210-2835
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 875054-6429

Form C-107-A
New 3-12-96

APPROVAL PROCESS:
___Administrative ___Hearing

EXISTING WELLBORE
X YES ___NO

APPLICATION FOR DOWNHOLE COMMINGLING

Cross Timbers Operating Company — Operator
2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM 87401 — Address

Bolack C LS — Lease
#13 — Well No.
M 29 27N 08W — Unit Ltr. - Sec - Twp - Rge
San Juan, NM — County

Spacing Unit Lease Types: (check 1 or more)
Federal X, State ___, (and/or) Fee ___

OGRID NO. 167067 Property Code 022596 API NO. 3004506200

The following facts are submitted in support of downhole commingling	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	S. Blanco Pictured Cliff 72430		Blanco Mesaverde 72319
2. Top and Bottom of Pay Section (Perforations)	2378'-2388' (perf'd) 2394'-2420' (perf'd)		4630'-4762' (perf'd)
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 134 psia (calc)	a.	a. 404 psia (calc)
	b. (Original) 685 psia (calc)	b.	b. 1125 psia (calc)
6. Oil Gravity (°API) or Gas BTU Content)	1191		1317
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give date and oil/gas/ water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/	Date: 02/09/99	Date: Rates:	Date: 02/09/99 Rates:

RECEIVED
99 FEB 23 PM 12:22

RECEIVED
MAR - 3 1999
OIL CON. DIV.
DIST. 3

Form C-128 (6-57)

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

RECEIVED Date JANUARY 28, 1958

Operator EL PASO NATURAL GAS COMPANY Lease BOLACK SF 079232

Well No. 13-C (PM) Unit Letter M Section 29 Township 27 N Range 8 W NMPM

Located 960 Feet From SOUTH Line, 800 Feet From WEST Line

County SAN JUAN G. L. Elevation 6385 Dedicated Acreage 320 & 160 Acres

Name of Producing Formation MESA VERDE & PICTURED CLIFF Pool BLANCO EXT. & SO. BLANCO PC

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
   Yes X No ____
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ____ No ____. If answer is "yes", Type of Consolidation.
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner	Land Description

RECEIVED JAN 31 1958 OIL CON. COM. DIST. 3

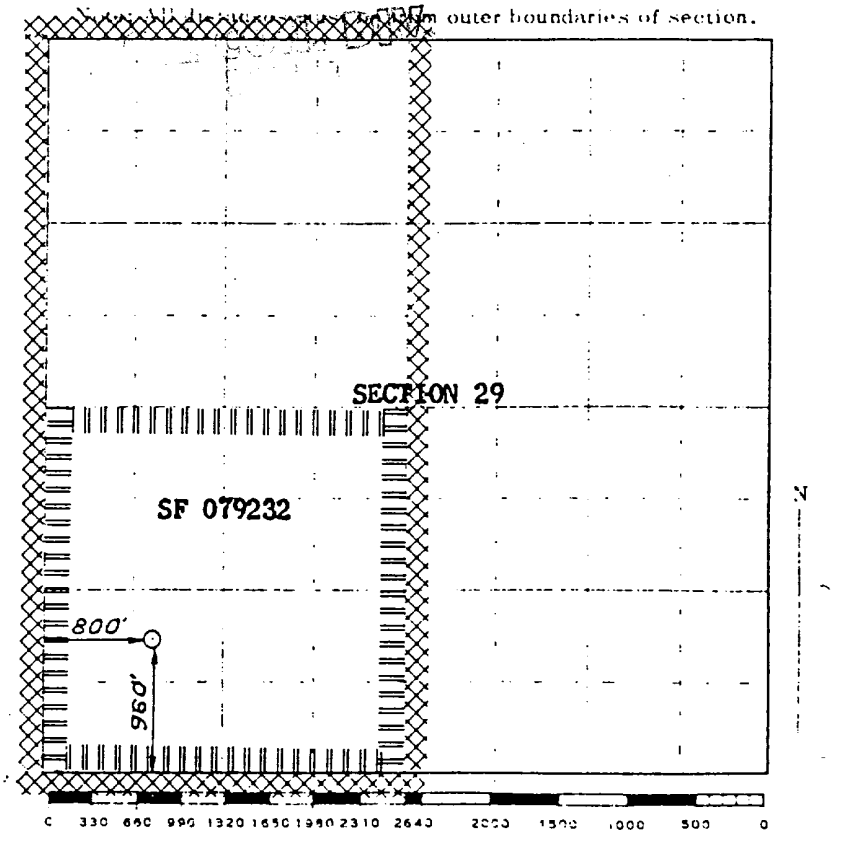
DECEIVED MAR - 3 1999

Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Company
(Operator)
Original Signed D. C. Johnston
(Representative)
Box 997
(Address)
Farmington, New Mexico

Note: All distances must be from outer boundaries of section.



Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Date Surveyed NOVEMBER 20, 1957

David O. Kilburn

Registered Professional Engineer and/or Land Surveyor

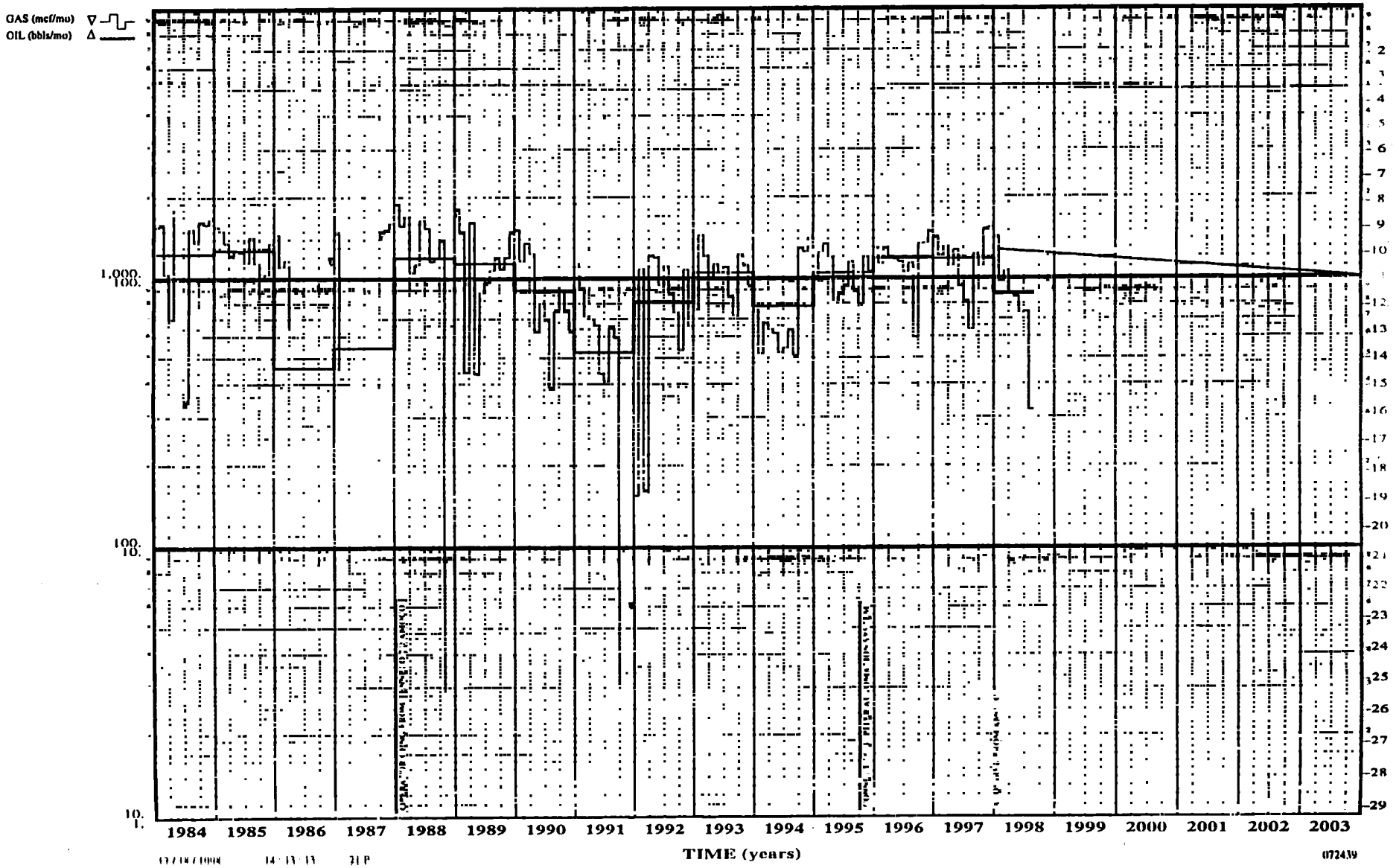
Farmington, New Mexico

Cross Timbers Oil Company

BOLACK C 13
CROSS TIMBERS
BLANCO S (PICTURED CLIFFS)
SAN JUAN, NEW MEXICO
CO *29M 27N 08W* *SAN JUAN*
072439 *BGV* *70091*

Run Date : 03/19/98
Run Time: 10:42:22

M & L - 1/98 FORECAST *JWP DLM CP-K-LDR*



Cross Timbers Oil Company

BOLACK C 13

CROSS TIMBERS
BLANCO (MESAVERDE)
SAN JUAN, NEW MEXICO

CO	*29M 27N 08W*	*SAN JUAN*
506200	*BGV*	*70090*

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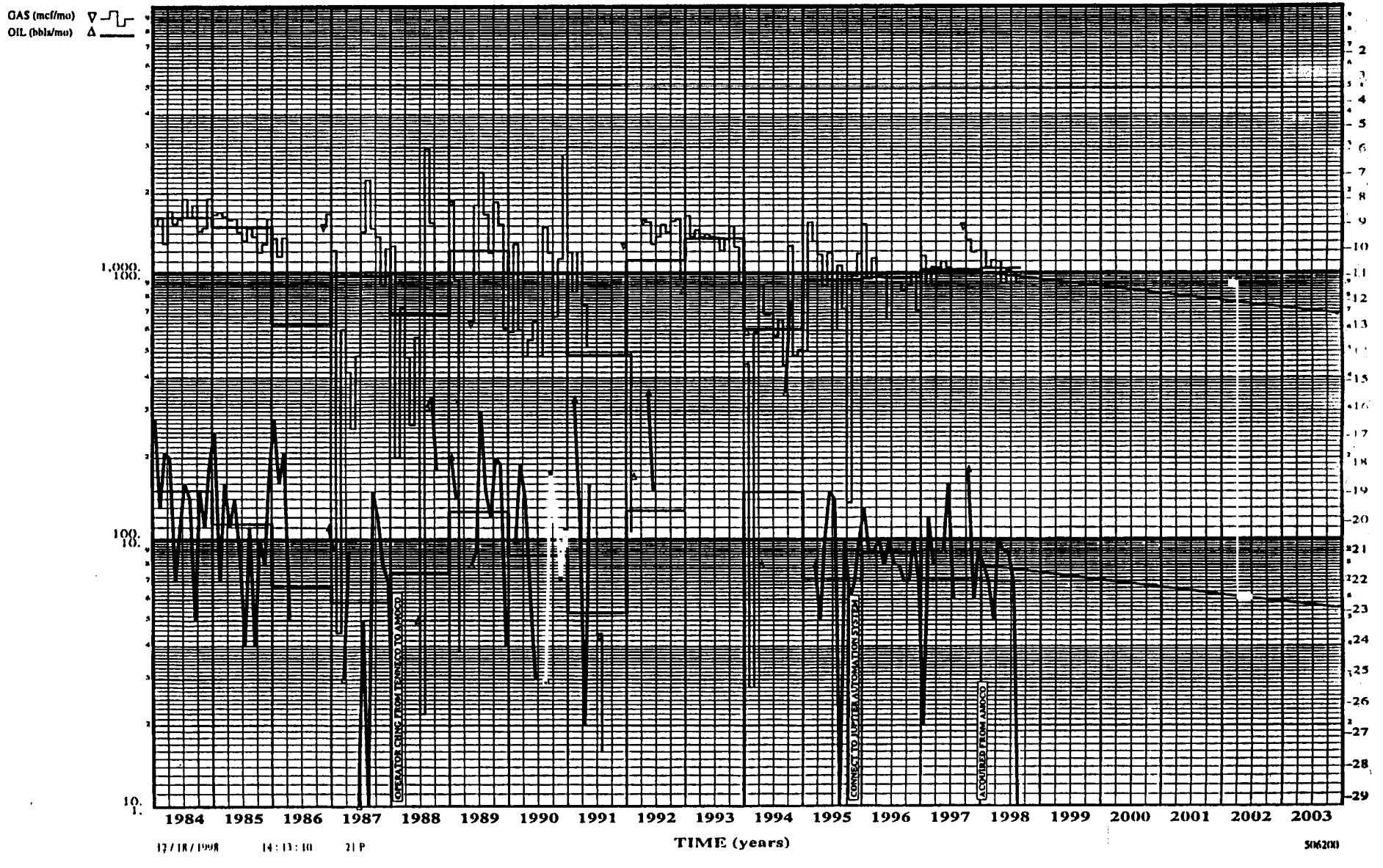

Cross Timbers Operating Company

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960' FSL & 800' FWL Sec. 29, T27N, R08W
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Please return this letter or a letter of objection to Mr. David Catanach at the address listed.

Mr. David Catanach
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Cross Timbers Oil Co sincerely appreciate your prompt response concerning this approval.

Burlington Resources Oil & Gas	Signature:
Greystone Energy	Signature:
Roddy Production.	Signature:

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P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
811 S. First St., Artesia, NM 88210-2835
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 875054-6429

Form C-107-A
New 3-12-96

APPROVAL PROCESS:
___Administrative ___Hearing

EXISTING WELLBORE
X YES ___NO

APPLICATION FOR DOWNHOLE COMMINGLING

Cross Timbers Operating Company — Operator
2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401 — Address

Bolack C LS — Lease
#13 — Well No.
M — Unit Ltr.
29 — Sec
27N — Twp
08W — Rge
San Juan, NM — County

Spacing Unit Lease Types: (check 1 or more) Federal X, State ___, (and/or) Fee ___

OGRID NO. 167067 Property Code 022596 API NO. 3004506200

The following facts are submitted in support of downhole commingling	Upper Zone	Intermediate Zone	Lower Zone
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4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 134 psia (calc) b. (Original) 685 psia (calc)	a. b.	a. 404 psia (calc) b. 1125 psia (calc)
6. Oil Gravity (°API) or Gas BTU Content)	1191		1317
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give date and oil/gas/ water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/ water rates of recent test (within 60 days)	Date: 02/09/99 Rates: 60 mcfd 0 bwpd 0 bopd	Date: Rates:	Date: 02/09/99 Rates: 23 mcfd 0 bwpd 0 bopd
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 0 % Gas: 56 %	Oil: % Gas: %	Oil: 100 % Gas: 44 %

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FEB 18 1999
OIL CON. DIV.
DIST. 3

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? X Yes ___No
If not, have all working, overriding, and royalty interests been notified by certified mail? ___Yes ___No
Have all offset operators been given written notice of the proposed downhole commingling? X Yes ___No

11. Will cross-flow occur? ___Yes X No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ___Yes ___No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? X Yes ___No

13. Will the value of production be decreased by commingling? ___Yes X No (If Yes, attach explanation)

14. If this well in on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. X Yes ___No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____

16. ATTACHMENTS:
* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
* Production curve for each zone for at least one year. (If not available, attach explanation.)
* For zones with no production history, estimated production rates and supporting data.
* Data to support allocation method or formula.
* Notification list of all offset operators.
* Notification list of working, overriding, and royalty interests for uncommon interest cases.
* Any additional statements, data, or documents required to support commingling.

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

SIGNATURE _____ TITLE _____ DATE 2-18-99

TYPE OR PRINT NAME Jeffery W Patton TELEPHONE NO. (505) 324-1090

Form C-128 (6-57)

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date JANUARY 28, 1958

Operator EL PASO NATURAL GAS COMPANY Lease BOLACK SF 079232

Well No. 13-C (PM) Unit Letter M Section 29 Township 27 N Range 8 W NMPM

Located 960 Feet From SOUTH Line, 800 Feet From WEST Line

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JAN 31 1958
GEOLOGICAL SURVEY

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Original Signed D. C. Johnston
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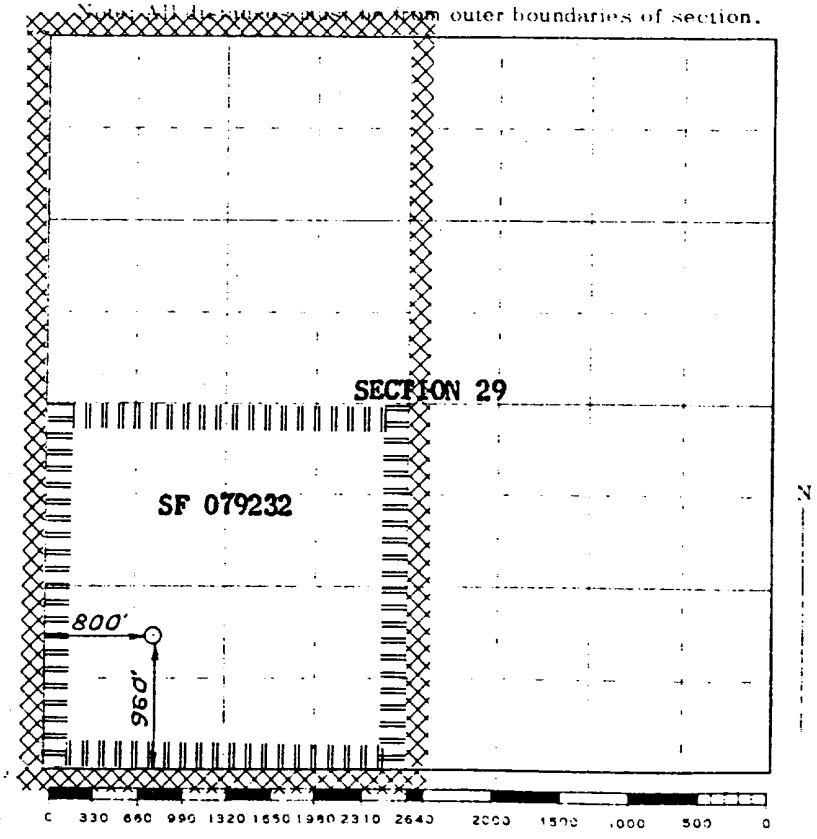
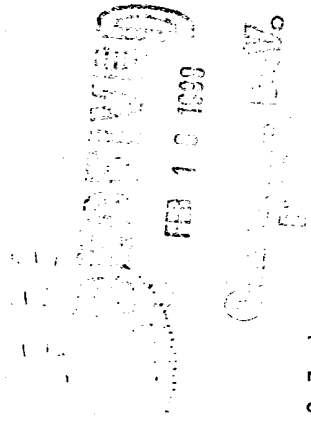


Scale 4 inches equal 1 mile



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(Seal)

Date Surveyed NOVEMBER 20, 1957

David O Vickers
Registered Professional Engineer and/or Land Surveyor

Farmington, New Mexico

Cross Timbers Oil Company

BOLACK C 13
CROSS TIMBERS
BLANCO S (PICTURED CLIFFS)
SAN JUAN, NEW MEXICO
29M 27N 08W
BGV

CO *072439*

SAN JUAN *70091*

Run Date : 03/19/98
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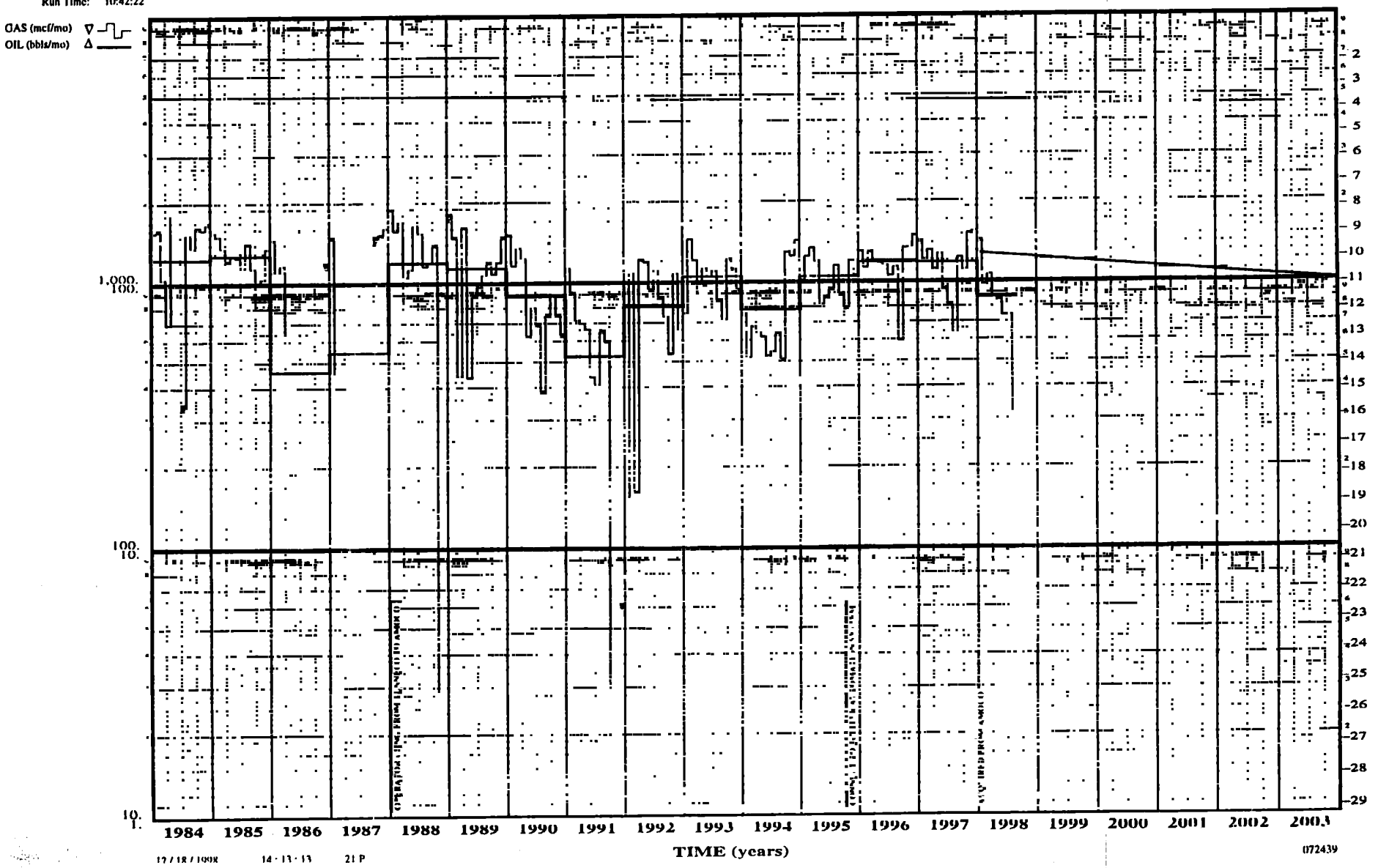
M & L - 1/98 FORECAST

JWP DLM CP-K-LDR



Cross Timbers Oil Company

BOLACK C 13

CROSS TIMBERS
BLANCO (MESAVERDE)
SAN JUAN, NEW MEXICO

CO *29M 27N 08W* *SAN JUAN*
506200 *BGV* *70090*

M & L - 1/98 FORECAST *JWP DLM CP-K-LDR*

Run Date : 03/19/98
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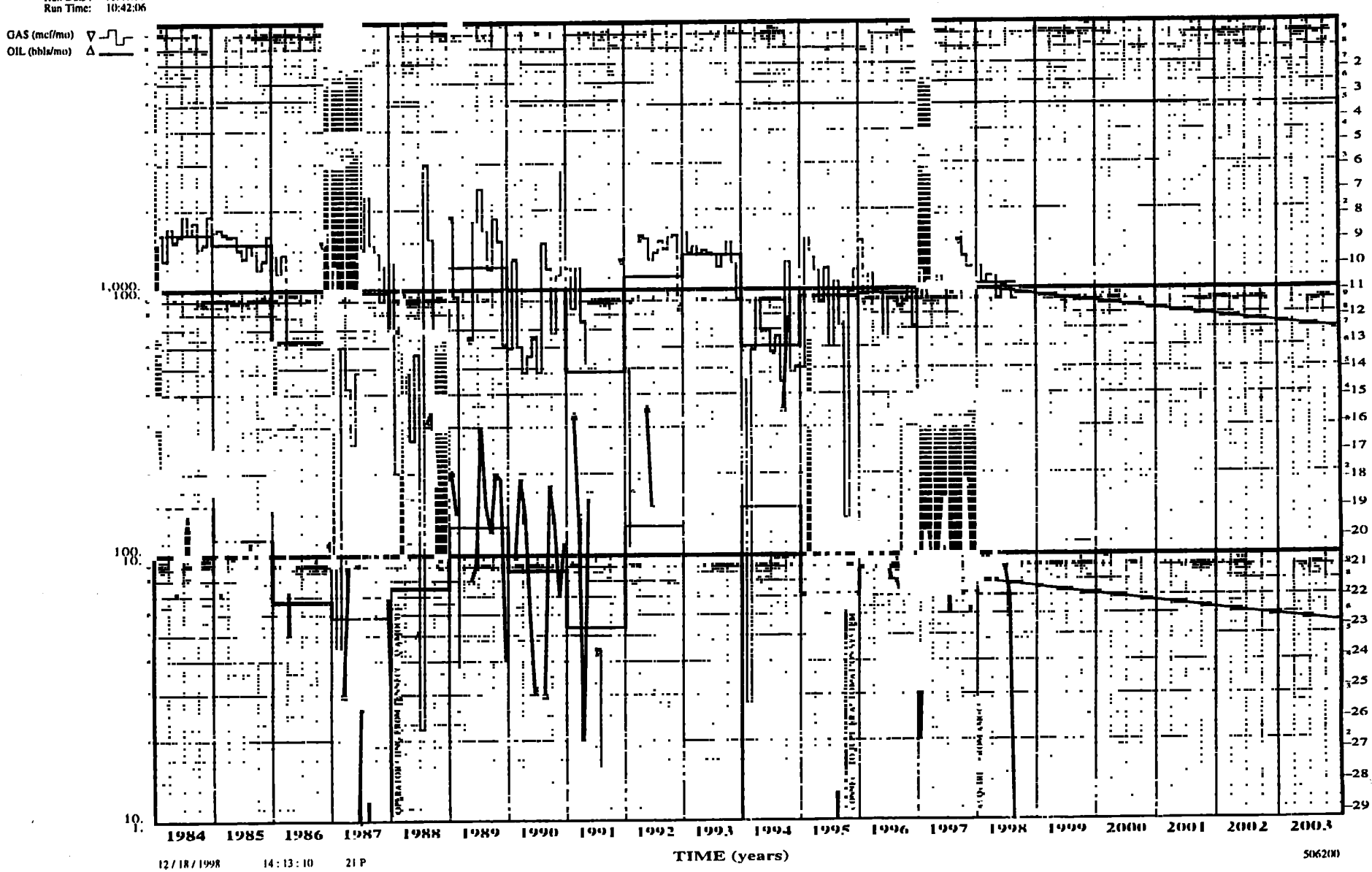

12/18/1998 14:13:10 21 P

506200

Cross Timbers Operating Company

Re: Administrative Approval to Downhole Commingle
Cross Timbers Operating Co.
Bolack "C" LS #13
960' FSL & 800' FWL Sec. 29, T27N, R08W
San Juan County, New Mexico

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

Cross Timbers Oil Co sincerely appreciate your prompt response concerning this approval.

Burlington Resources Oil & Gas	Signature:
Greystone Energy	Signature:
Roddy Production.	Signature:

Cross Timbers Operating Company

Bolack "C" LS #13

Offset Operator / Ownership Plat
Blanco Mesaverde / South Blanco Pictured Cliffs
Downhole Commingle

Township 27 N, Range 08 W

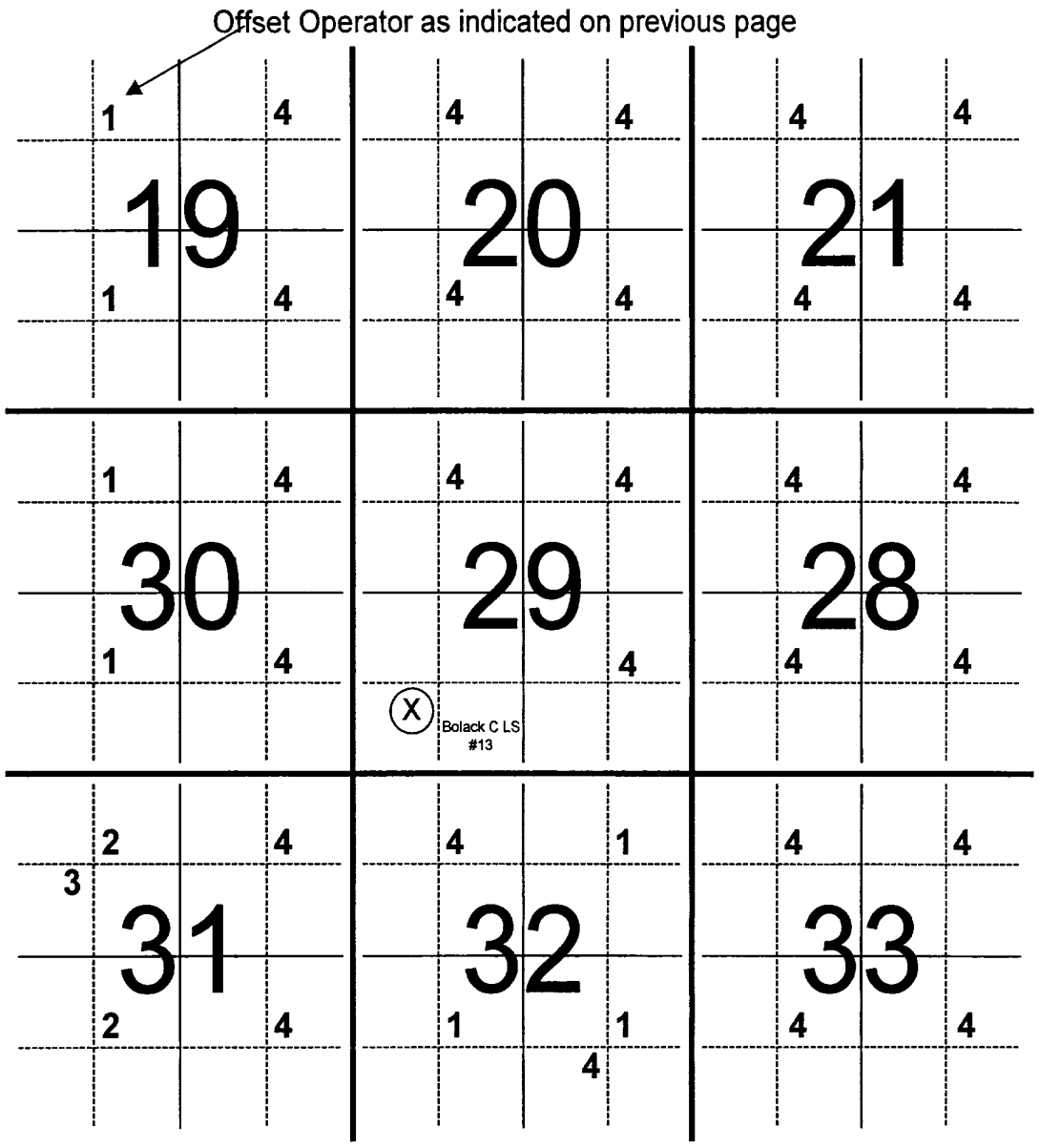
1. Burlington Resources Oil & Gas Company
   3535 E. 30th St.
   Farmington, NM 87402

2. Greystone Energy
   5802 Hwy 64
   Farmington, NM. 87401

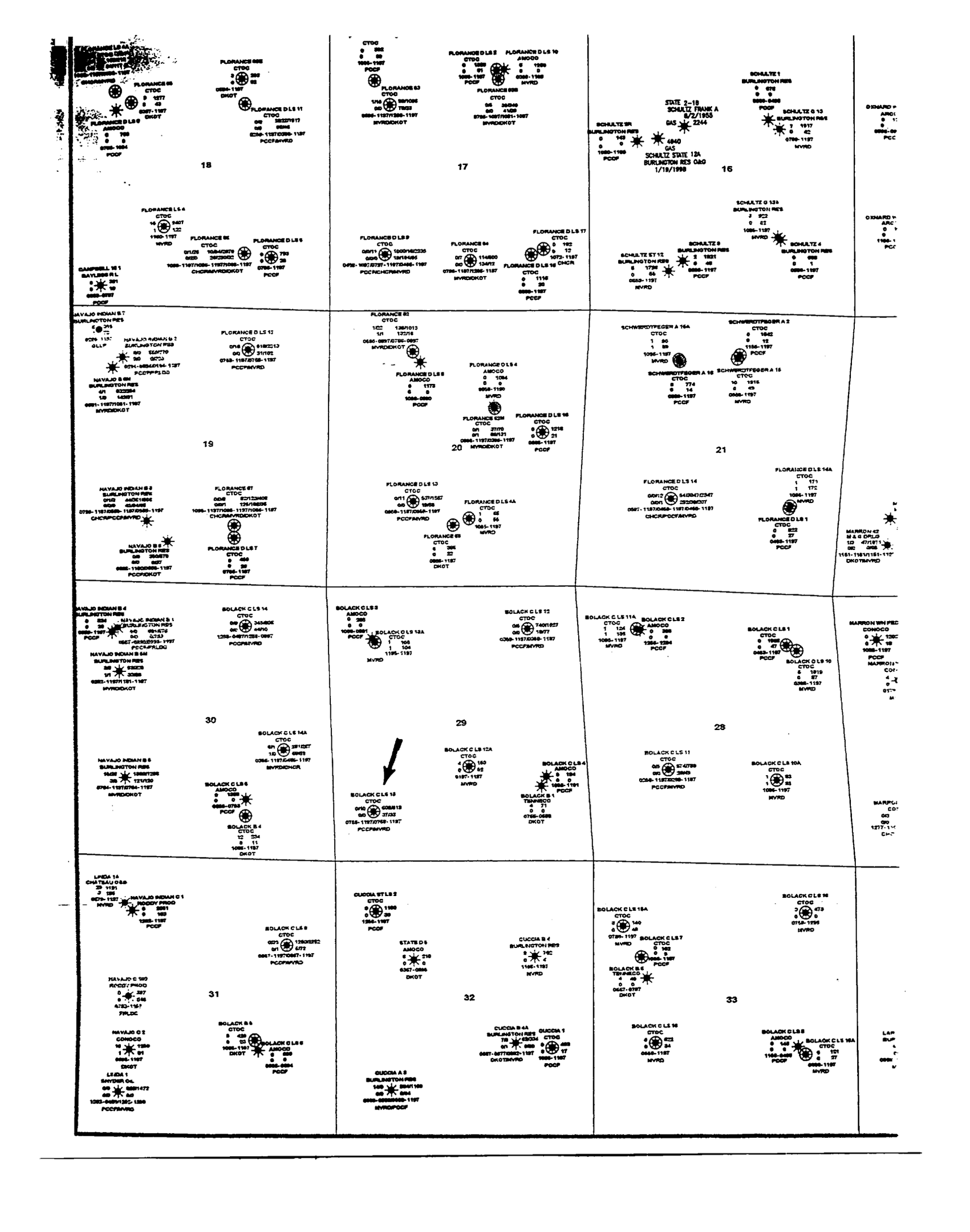
3. Roddy Production
   P.O. Box 2221
   Farmington, NM 87499

4. Cross Timbers Operating Co.
   6001 E. Hwy 64
   Farmington, NM 87401

Cross Timbers Operating Company



Township 27N,
Range 08W


FLORANCE D LS 11
FLORANCE 63
FLORANCE D LS 10
FLORANCE 65
FLORANCE D LS 9
FLORANCE 64
FLORANCE D LS 17
FLORANCE D LS 16
SCHULTZ 1
SCHULTZ G 13
STATE 2-18
SCHULTZ FRANK A
8/2/1955
2244
4840
GAS
SCHULTZ STATE 12A
BURLINGTON RES O&G
1/19/1998
SCHULTZ G 13A
SCHULTZ 9
SCHULTZ 4
SCHULTZ ST 12
FLORANCE L S 4
FLORANCE 66
FLORANCE D LS 6
CAMPBELL 16 1
BAYLESS R L
18
17
16
FLORANCE 62
FLORANCE D LS 8
FLORANCE D LS 4
FLORANCE 62M
FLORANCE D LS 13
NAVAJO INDIAN B 7
NAVAJO INDIAN B 2
NAVAJO B 6M
FLORANCE 67
FLORANCE D LS 7
NAVAJO B 8
19
20
SCHWERDTFEGER A 16A
SCHWERDTFEGER A 2
SCHWERDTFEGER A 16
SCHWERDTFEGER A 15
FLORANCE D LS 14
FLORANCE D LS 14A
FLORANCE D LS 1
FLORANCE D LS 13
FLORANCE D LS 4A
FLORANCE 69
21
NAVAJO INDIAN B 4
NAVAJO INDIAN B 1
NAVAJO INDIAN B 6M
NAVAJO INDIAN B 5
SOLACK C LS 14
SOLACK C LS 14A
SOLACK C LS 6
SOLACK B 4
30
SOLACK C LS 3
SOLACK C LS 13A
SOLACK C LS 12
SOLACK C LS 12A
SOLACK C LS 13
SOLACK C LS 4
SOLACK B 1
29
SOLACK C LS 11A
SOLACK C LS 2
SOLACK C LS 1
SOLACK C LS 10
SOLACK C LS 11
SOLACK C LS 10A
28
MARRON WN FED
MARRON 43
M & G DRLG
LEDA 1A
CHATEAU O&G
NAVAJO INDIAN C 1
ROddY PROD
SOLACK C LS 8
NAVAJO C 1M
NAVAJO C 2
LEDA 1
SNYDER OIL
31
CUCCIA ST LS 2
STATE D 5
CUCCIA B 4
CUCCIA B 4A
CUCCIA 1
CUCCIA A 5
32
SOLACK C LS 15
SOLACK C LS 15A
SOLACK C LS 7
SOLACK B 6
SOLACK C LS 16
SOLACK C LS 8
SOLACK C LS 16A
33

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED
APR - 2 1999
OIL CON. DIV.
DIST. 3

5. Lease Serial No.
SF 079232

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Bolack C LS #13

2. Name of Operator
Cross Timbers Operating Company

9. API Well No.
3004506200

3a. Address
2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401

3b. Phone No. *(include area code)*

10. Field and Pool, or Exploratory Area
S Blanco Pictured Cliffs
Blanco Mesaverde

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
960' FSL & 800' FWL Sec 29, T27N, R08W

11. County or Parish, State
Sna Juan NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other DHC
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Coommpleted Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Cross Timber Operating Co. is requesting approval to begin the downhole commingling workover as described in the enclosed procedure. This workover will begin as soon as approval can be obtained.

RECEIVED
BLM
99 MAR 19 PM 12:31
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* J. W. Walton

Title Production Engineer

Date 3/18/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by /s/ Joe Hewitt

Title

Date MAR 29 1999

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

NMOCD

DHC - 2239

Cross Timbers Operating Company

Bolack "C" LS #13

DHC the MV & PC WORKOVER PROCEDURE

WI – 100.0000%
NRI – 67.5000%

Casing:	Surface:	10-3/4", 32.75# csg @ 174' KB.
	Intermediate:	7 5/8", 26.4#, J-55 csg @ 4,428' KB.
	Liner:	5 1/2", 15.50#, J-55 csg fr/4,374'-4,825' KB.
		PBTD (drillers) 4,780' KB.
Perforations:	**Pictured Cliffs** fr/2,378'-88' & 2,394'-2,420' (2 JSPF).	
	Mesaverde fr/4,630'–40' 4,650'-60', 4,670'-80', 4,690'-4,710', 4,722'-40' & 4,750'-62' (2 JSPF).	
Tubing:	Dual Strings:	
	SS. 73 jts 1-1/4", 2.4#, J-55, EUE, 10rd siphon string tbg, 3' perf sub & 1 jt 1-1/4" on btm. Perforated jts @ 1,911' & 1,413'. Tbg landed @ 2,423'.	
	LS. 143 jts 2-3/8", 4.7#, J-55, EUE tbg, Baker "EGJ" retrievable pkr, 10 jts 2-3/8" tbg, SN, 3' x 2-3/8" perf sub & 1 jt 2-3/8" tbg on btm. Landed @ 4,760'. Baker EGJ retrievable packer @ 4,441'.	
Current Status:	MV currently flwg @ 14 MCFPD.	
	PC currently flwg @ 68 MCFPD on compression.	
Objective:	Remove 1-1/4" siphon string & 2-3/8" tbg & packer. CO well to PBTD. RWTP on compression as a DHC.	

1. Test anchors on location.

2. MIRU PU, pmp & pit. Fill pit w/2% KCl wtr. MI ±10 jts of inspected and press tstd yellow band 2-3/8" tbg. Check and record tubing, casing and bradenhead pressures. Record production & pit tank gauges, if possible.

3. Blow down well and kill w/2% KCl wtr if necessary.

4. ND WH. NU and pressure test BOP's.

5. TOH & LD 1-1/4" siphon string tbg. Return 1-1/4" tbg to CTOC yard for inventory & inspection. Notify Larry Babcock that tbg has come from the Pictured Cliffs reservoir.

6. RU to pull 2-3/8" tbg. The Baker EGJ packer (@ 4,441' KB) is a compression set packer with a straight pull to release.

7. TOH w/tbg. Tally & inspect tbg while TIH. If pkr will not release. RU WL unit. RIH w/free point & chemical cutter. Cut tbg above pkr.

8. Fish for packer and remaining tbg if required. TOH & LD packer & bad 2-3/8" tbg. Replace bad tbg as needed. Return bad 2-3/8" tbg to CTOC yard. Notify

Larry Babcock that bad tbg is being returned from the Mesaverde side of the well.

9. PU & TIH w/4-3/4" cone bit, SN & 2-3/8" tbg. Tally tbg while TIH. Tag for fill. CO fill (if any) w/pmp bailer to PBTD @ 4,780' KB. Use air/foam unit if absolutely necessary.

10. Circ on bottom for a minimum of 1 hr using air/foam (if air/foam unit is used).

11. TOH. LD BHA.

12. TIH w/mule shoe collar, SN & ±153 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg. Tally tbg while TIH & tag for fill. Report to CTOC engineering if top of fill is higher than 4,760' KB. Land end of mule shoe @ 4,760' KB.

13. ND BOP. NU WH. RU swab. Swab well to pit. Gauge production. Once well can produce & stay unloaded, RWTP on comp dwn sales. Sell gas through MV separator & mtr run (mtr #74671). Notify Vern Thomas that RTU & mtr will be used for both MV & PC production. Adjust orifice plate accordingly.

14. RDMO PU. RU SU if necessary.

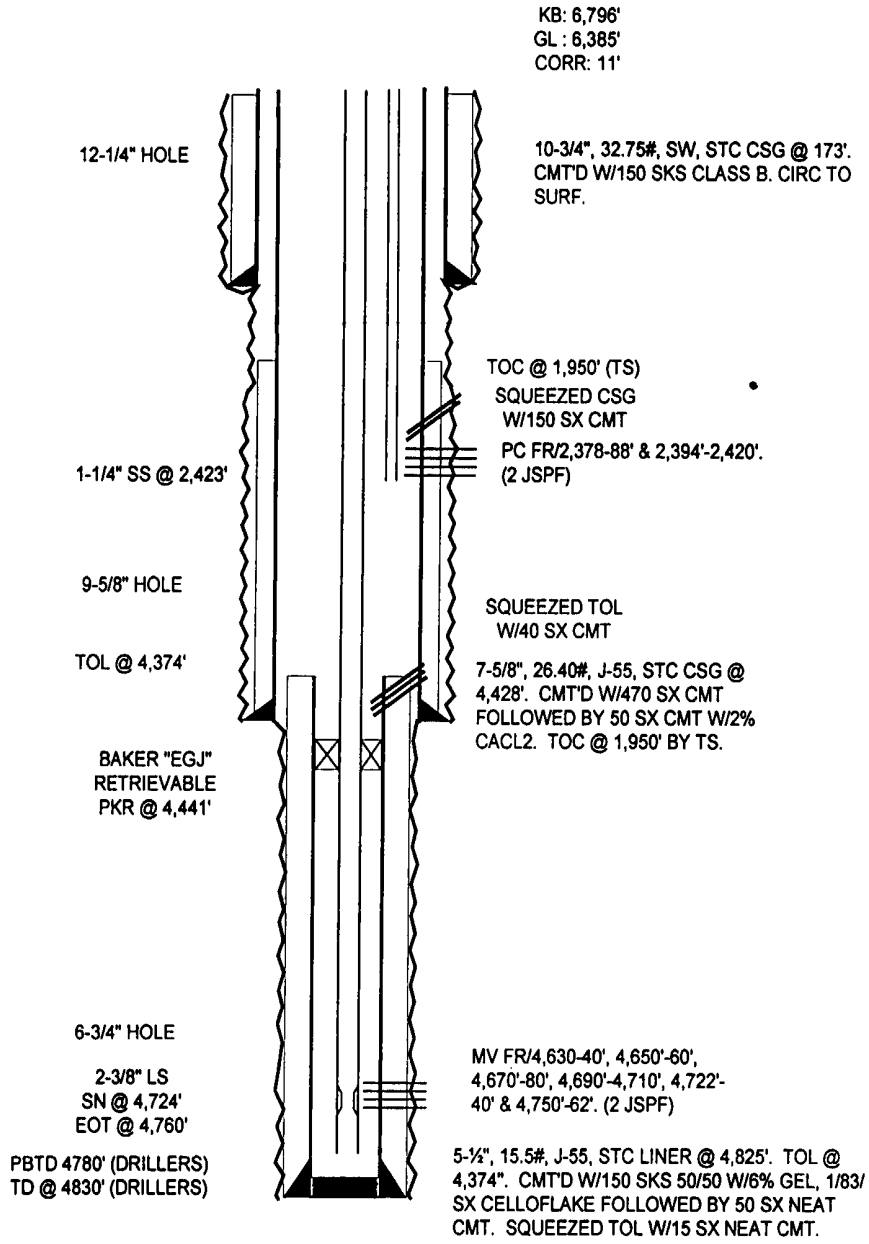
15. Notify Vern Thomas & EPFS that the PC mtr run (mtr #74670) & RTU (#1602) can be removed and returned to CTOC for salvage.

Approvals: _____

_____

_____

BOLACK "C" LS #13
WELLBORE DIAGRAM



DATA

LOCATION: 960' FSL & 800' FWL, UNIT M, SEC 29, T-27-N, R-8-W
COUNTY/STATE: SAN JUAN COUNTY, NM
FIELD: BLANCO MESAVERDE / SOUTH BLANCO PICTURED CLIFFS
FORMATION: MESAVERDE / PICTURED CLIFFS
NM LEASE#: SF-079232 **API#:** 30-045-06200 **CTOC WELL#:** 70090 & 70091
SPUD DATE: 3/11/59 **COMPLETION DATE:** 4/26/59
IP: (MV) 2,219 MCFPD, ¾" CK, 3 HRS.
(PC) 1,118 MCFPD, ¾" CK, 3 HRS.
PRODUCTION METHOD: FLWG GAS WELL
TUBING STRING: (LS) 143 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG, BAKER "EGJ" PKR & 10 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG. SN @ 4,724' (1 JT ABOVE EOT). 3' PERF SUB @ 4,726' (1 JT ABOVE EOT). EOT @ 4,760'.
(SS) 73 JTS 1-1/4", 2.4#, J-55, EUE, 10RD TBG, 3' PERF SUB & 1 JT 1-1/4" TBG. LANDED @ 2,423'. PERF SUB ON BOTTOM. PERFORATED JTS @ 1,911' & 1,413'.
PERFS: MESAVERDE (POINT LOOKOUT) 4,630'-40', 4,650'-60', 4,670'-80', 4,690'-4,710', 4,722'-4,740' & 4,750'-62' (2 JSPF).
PICTURED CLIFFS 2,378'-88' & 2,394'-2,420' (2 JSPF).

HISTORY

03/11/58 SPUDDED 12-1/4" HOLE WITH CABLE TOOL RIG.
03/13/58 RAN 10-3/4", 32.75#, SW, CSG @ 173'. CMT'D W/150 SX REG CMT. CIRC CMT TO SURFACE. RD CABLE TOOL RIG.
04/01/58 MIRU CM CARROLL DRILLING RIG 10. STD MAKING HOLE.
04/12/58 RIH W/SCHLUMBERGER ES & ML LOG. LOGGED FR/4,425'. RAN 7-5/8", 26.4#, J-55 CSG @ 4,428'. CMT'D W/420 SX REG CMT W/GILSONITE FOLLOWED BY 50 SX NEAT CMT. TOC @ 2,310' BY TEMP SUR.
04/15/58 PERF'D CSG @ 2,310' & SQUEEZED W/100 SX NEAT CMT. NO SQUEEZE PRESSURE.
04/16/58 RE-SQUEEZED CSG W/50 SX CMT. TOC @ 1,950' BY TEMP SUR.
04/20/58 RAN 5-1/2", 15.5#, J-55 LINER FR/4,374' – 4,825'. CMT'D w/75 SX REG CMT, 75 SX POZMIX W/6% GEL FOLLOWED BY 50 SX NEAT. TOC 4,374' BY TEMP SUR. TOL LEAKING. SQUEEZED TOL W/15 SX NEAT CMT. WOC.
04/21/58 DO CMT SQUEEZE. PT TOL. TOL LEAKING. RU TO SQUEEZE.
04/22/58 SQUEEZED TOL W/25 SX CMT. WOC. RU TO DO SQUEEZE.
04/25/58 DO CMT SQEEZE & CO TO PBTD @ 4,780'. PERF'D PT LOOKOUT FR/4,630'-40', 4,650'-60', 4,670'-80', 4,690'-4,710', 4,722'-4,740' & 4,750'-62' (2 JSPF). FRAC w/41,244 GALS WTR & 50,000# SD. FLUSHED W/9,000 GALS WTR. BD @ 1,775 PSIG. ATP 1,500 PSIG. AIR 64.5 BPM. DROPPED 7 SETS OF 20 BS FOR 8 STGS. RIH W/TEMPORARY BRIDGE PLUG TO 4,455'. PERF'D PC FR/2,378'-88' & 2,394'-2,420' (2 JSPF). FRAC'D W/42,250 GALS WTR & 40,000# SD. BD @ 1,400 PSIG. ATP 1,200 PSIG. AIR 73.8 BPM. DROPPED 3 SETS OF 18 BS FOR 4 STGS. STD FLOWBACK.
04/26/58 PC FLWG TO PIT. RU TO DO BP.
04/27/58 DO BP & PUSHED TO BTM. WELL FLWG TO PIT.
04/30/58 BLEW DWN WELL. TIH W/TBG AS FOLLOWS: (LS) 1 JT 2-3/8" TBG, 3' PERF SUB, SN, 10 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG, BAKER "EGJ" PKR & 143 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG. SN @ 4,724' (1 JT ABOVE EOT). 3' PERF SUB @ 4,726' (1 JT ABOVE EOT). EOT @ 4,760'. (SS) 1 JT 1-1/4" TBG, 3' PERF SUB & 73 JTS 1-1/4", 2.4#, J-55, EUE, 10RD TBG. LANDED @ 2,423'. PERF SUB @ 2,391'. PERFORATED(?) JTS @ 1,911' & 1,413'.

JWP 03/17/99

BOLACK "C" LS #13
WELLBORE DIAGRAM

05/01/58 RDMO CM CARROLL DRLG RIG #10.
10/28/58 INSTALLED ½" CK ON DWN STREAM SIDE OF DEHY.
07/05/60 INSTALLED FISCHER CONTROLLER ON BACKPRESSURE REGULATOR.
08/22/66 INSTALLED CAMCO MTR VLV ON SEP.
07/10/87 RU WL. RIH W/SWAGE TO CHK WELL FOR PLNGR OPERATION. RIH W/1-1/2" TOOL S TO 4,730'. FL @ 3,980'. SET FBI 2 SLIP STOP @ 4,690'. DROPPED FBI BMPR SPRING & FBI MULTI-FLEX PLNGR.
01/01/98 CROSS TIMBERS ASSUMED OPERATIONS.
11/20/98 INSTALLED NEW WEATHERFORD WH COMP (CTOC DIST TOOL SJB#12746).
11/24/98 REMOVED COMP FROM THE MV SIDE OF TO THE PC SIDE OF WELL. INSTALLED NEW PERMIAN FABRICATION 30"X10' VERT 2PH SEP (SN #2072-4).

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

ADMINISTRATIVE ORDER DHC-2239

Cross Timbers Operating Company
2700 Farmington Ave.
Building K Suite 1
Farmington, NM 87401

Attention: Mr. Jeffery W. Patton

Bolack "C" LS Well No. 13
API No. 30-045-06200
Unit M, Section 29, Township 27 North, Range 8 West, NMPM,
San Juan County, New Mexico.
South Blanco-Pictured Cliffs (Prorated Gas – 72439)
Blanco-Mesaverde (Prorated Gas - 72319) Pools

Dear Mr. Patton:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

South Blanco-Pictured Cliffs Gas Pool	Oil 0%	Gas 56%
Blanco-Mesaverde Gas Pool	Oil 100%	Gas 44%

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303.H., the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 12th day of March, 1999.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Lori Wrotenbery /BES

LORI WROTENBERY
Director

S E A L

LW/DRC

cc: Oil Conservation Division - Aztec /
Bureau of Land Management-Farmington