

DATE IN 3/15/99	SUSPENSE 4/5/99	ENGINEER DC	LOGGED BY KV	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

2040 South Pacheco, Santa Fe, NM 87505



2259

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATION FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

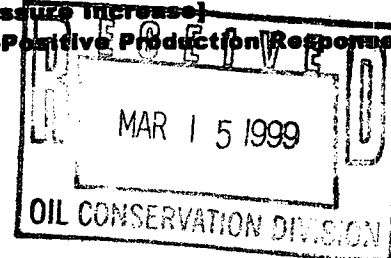
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling
☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR



[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☒ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Certification

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name

Signature

Title

Date

fca

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

811 South 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

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

APPROVAL PROCESS :

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil and Gas PO Box 4289, Farmington, NM 87499

Operator

Hill

Address

#1-A

F-4-29N-08W

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7111

API NO. 30-045-21917

Federal ☒ State ☐ Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Pictured Cliffs-72359		Mesaverde - 72319
2. Top and Bottom of Pay Section (Perforations)	3130-3169		4832-5360'
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: Gas & Oil - Flowing: All Gas Zones: Estimated or Measured Original	(Current) a. 228 psi (see attachment) (see (Original) b. 974 psi (see attachment)		a. 253 psi (see attachment) b. 945 psi (see attachment)
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	BTU 1104		BTU 1139
7. Producing or Shut-In?	Producing		Shut-In
8. Production Marginal? (yes or no)	Yes		Yes
* If Shut-In and oil/gas/water rates of last production <small>Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data</small>	Date: N/A Rates:		Date: N/A Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: 1/31/99 Rates: 38 mcf/d 0.0 bopd		Date: 1/31/99 Rates: 0 mcf/d 0 bopd
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Will be supplied upon completion.		Will be supplied upon completion.

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? ☐ 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? ☒ Yes ☐ No

11. Will cross-flow occur? ☒ Yes ☐ 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? ☒ Yes ☐ No

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

14. If this well is 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. ☒ 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 Mary Ellen Lutey TITLE Production Engineer DATE 03-11-99

TYPE OR PRINT NAME Mary Ellen Lutey TELEPHONE NO. (505) 326-9700

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

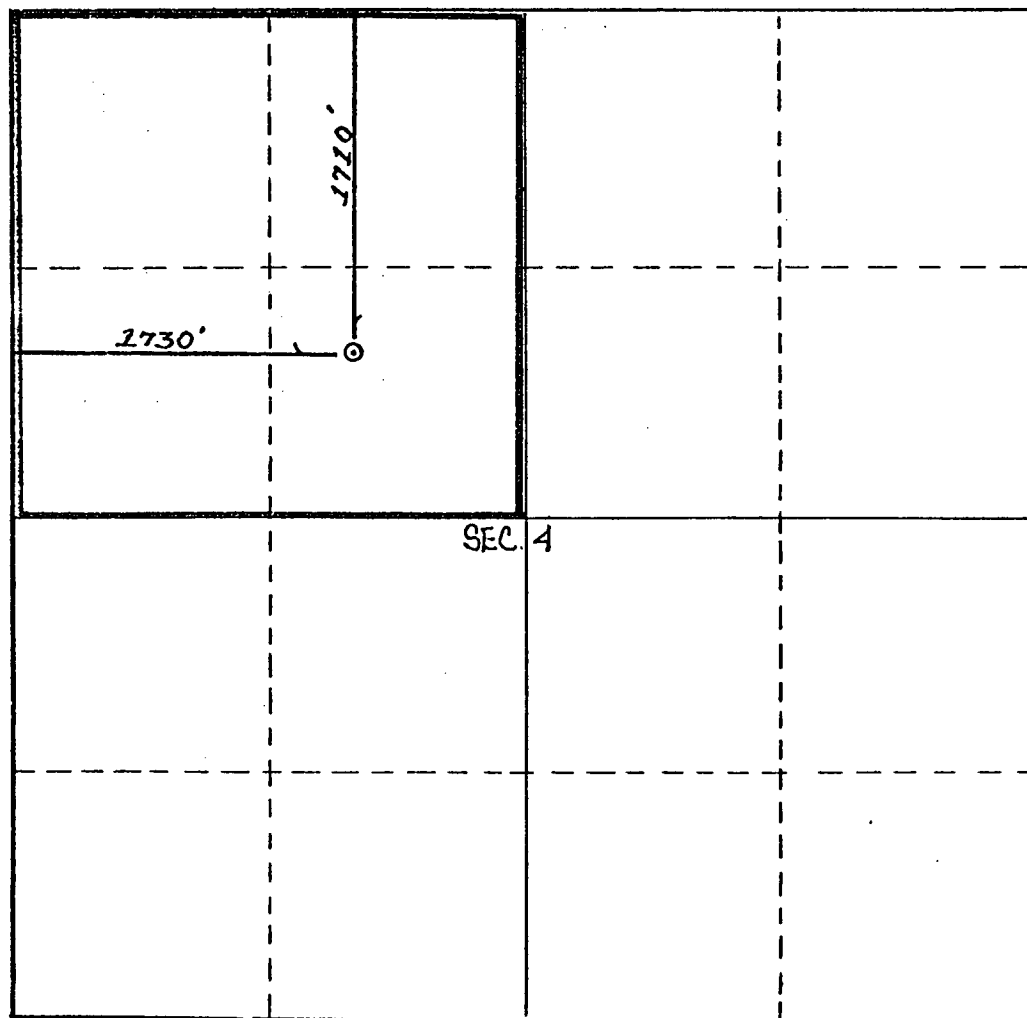
Operator SOUTHLAND ROYALTY COMPANY			Lease HILL		Well No. 1A
Unit Letter F	Section 4	Township 29N	Range 8W	County San Juan	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1710 feet from the North line and 1730 feet from the West line </div>					
Ground Level Elev:	Producing Formation Pictured Cliffs	Pool Blanco		Dedicated Acreage: 164.46 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name *E. C. Panton*

Position
District Engineer

Company
Southland Royalty Company

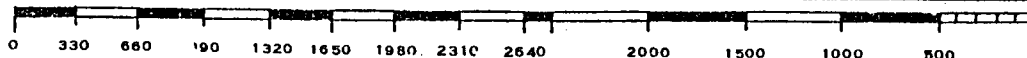
Date
September 22, 1978

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Registered Professional Engineer
and/or Land Surveyor

Certificate No. _____



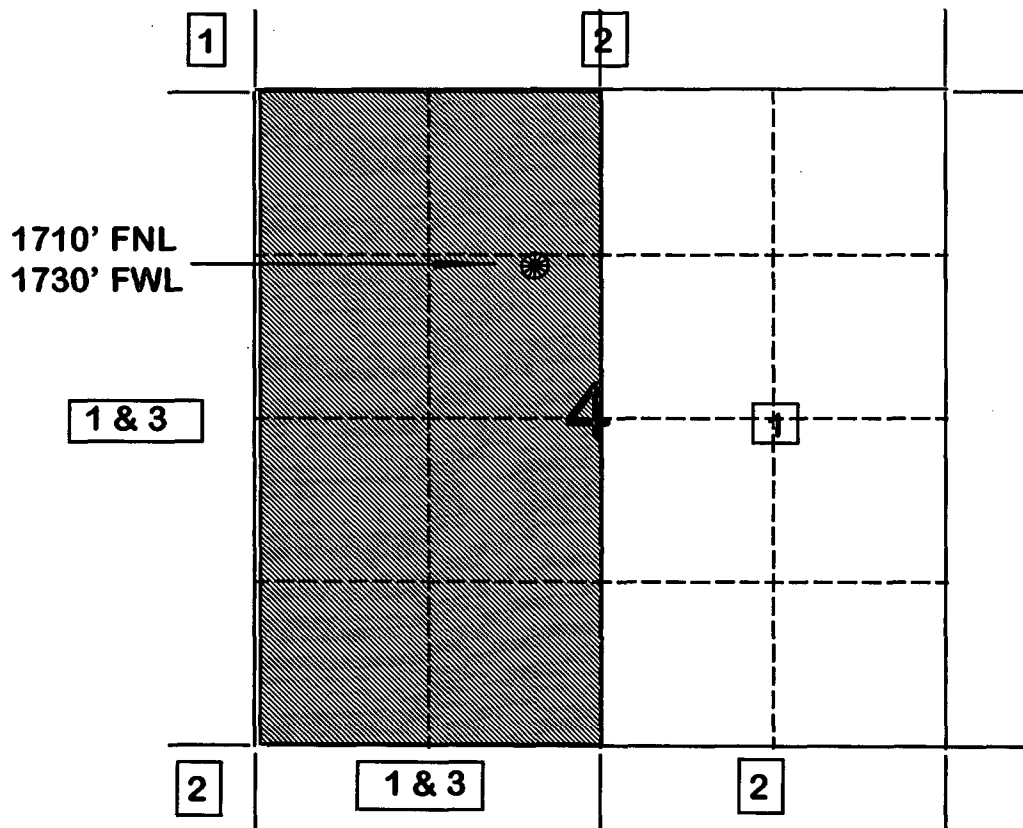
BURLINGTON RESOURCES OIL AND GAS COMPANY

Hill #1A

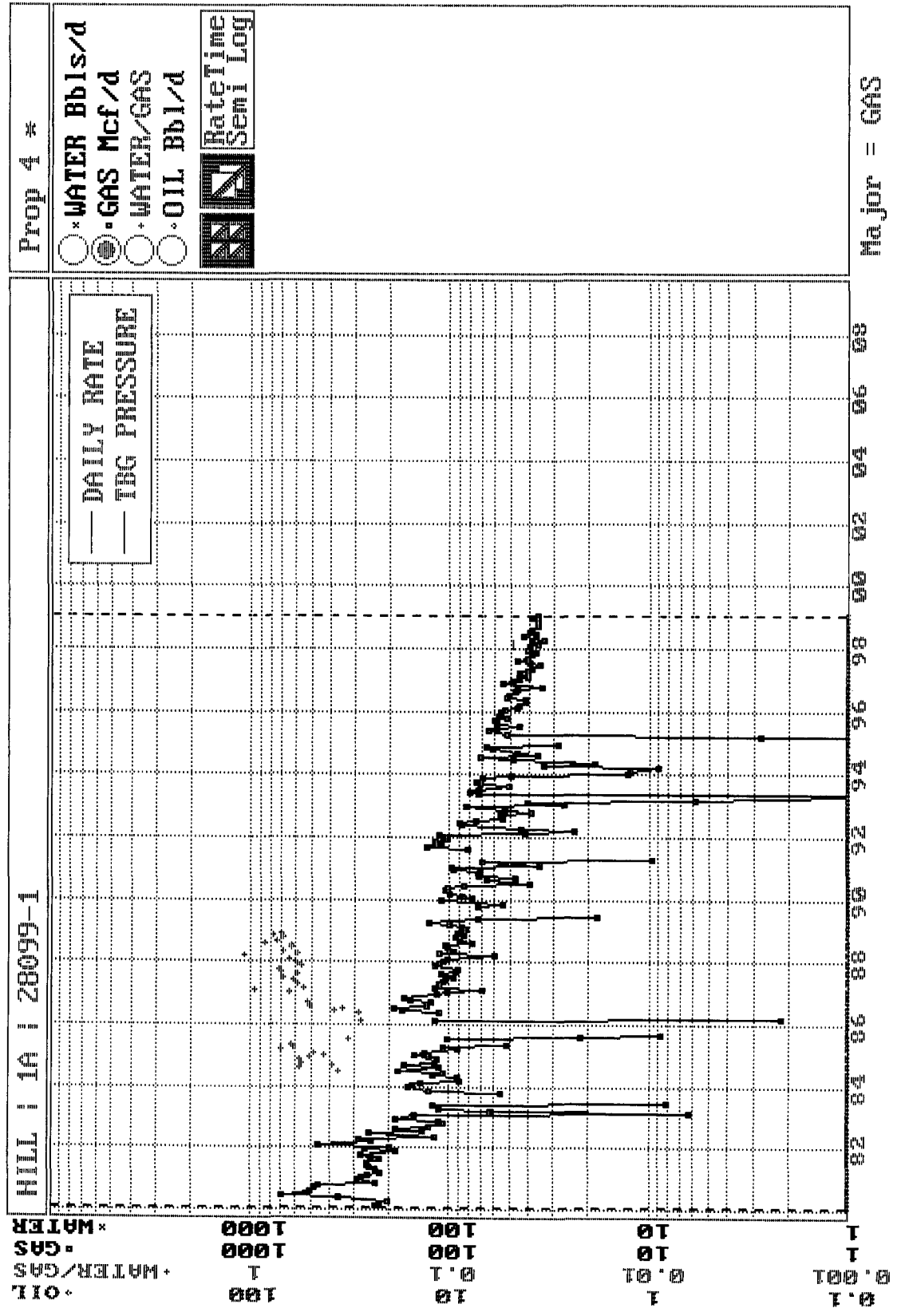
OFFSET OPERATOR \ OWNER PLAT

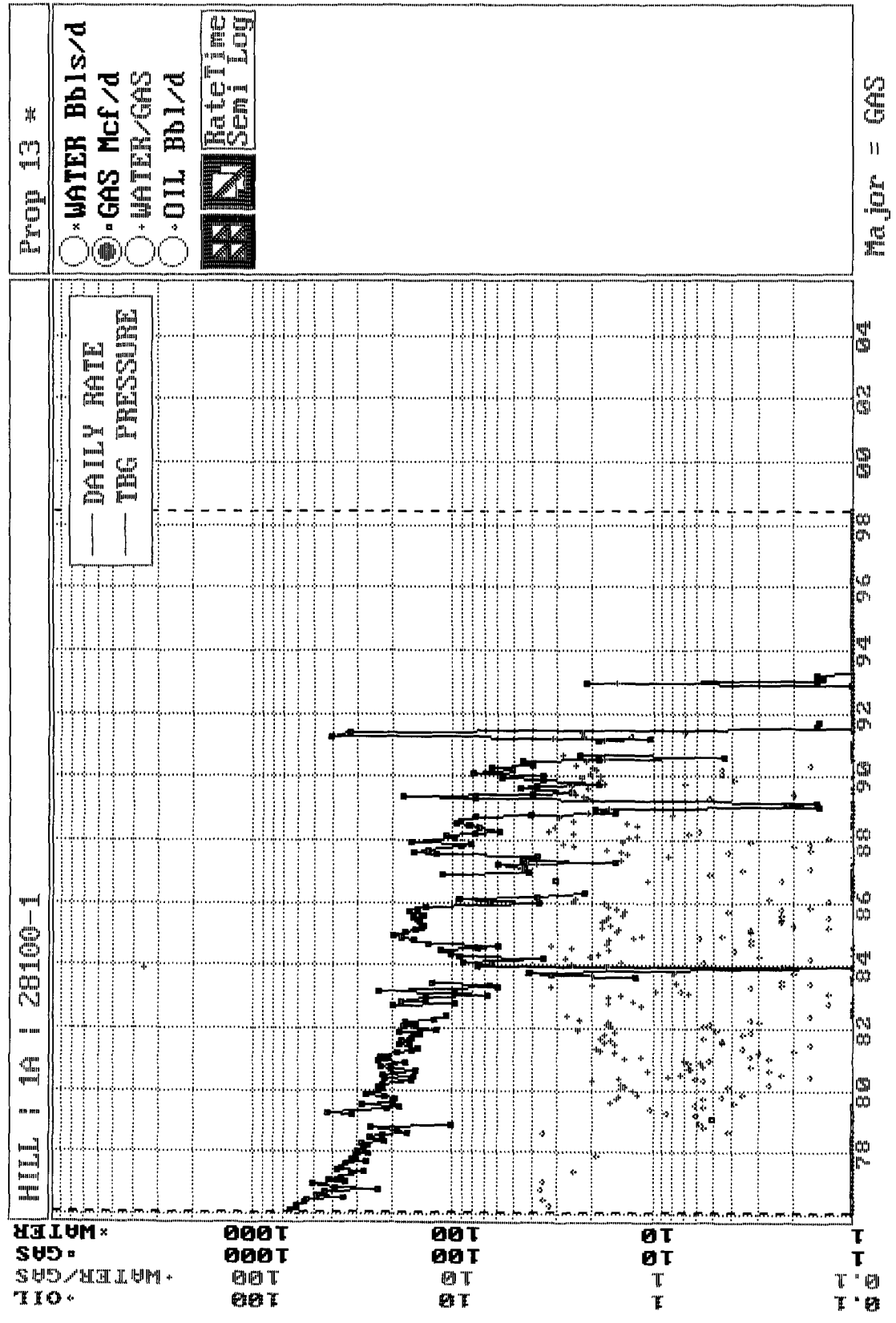
Mesaverde (W/2) / Pictured Cliffs (NW/4) Formations Commingle Well

Township 29 North, Range 8 West



- 1) Burlington Resources
- 2) Amoco Production Company
c/o Bruce Zimney
P.O. Box 800
Denver, CO 80201
- 3) Taurus Exploration USA, Inc.
2101 6th Avenue North
Birmingham, Alabama 35203





Hill #1A
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 1/14/98

Mesaverde		Pictured Cliffs	
<u>MV-Current</u>		<u>PC-Current</u>	
GAS GRAVITY	<u>0.667</u>	GAS GRAVITY	<u>0.64</u>
COND. OR MISC. (C/M)	<u>M</u>	COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.25</u>	%N2	<u>0.17</u>
%CO2	<u>1.02</u>	%CO2	<u>1.02</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
DIAMETER (IN)	<u>1.5</u>	DIAMETER (IN)	<u>7</u>
DEPTH (FT)	<u>5096</u>	DEPTH (FT)	<u>3150</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>114</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>94</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>224</u>	SURFACE PRESSURE (PSIA)	<u>212</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>252.9</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>228.1</u>
<u>MV-Original</u>		<u>PC-Original</u>	
GAS GRAVITY	<u>0.667</u>	GAS GRAVITY	<u>0.64</u>
COND. OR MISC. (C/M)	<u>M</u>	COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.25</u>	%N2	<u>0.17</u>
%CO2	<u>1.02</u>	%CO2	<u>1.02</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
DIAMETER (IN)	<u>1.5</u>	DIAMETER (IN)	<u>7</u>
DEPTH (FT)	<u>5239</u>	DEPTH (FT)	<u>3150</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>115</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>94</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>822</u>	SURFACE PRESSURE (PSIA)	<u>897</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>944.6</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>973.9</u>

Page No.: 4

Print Time: Tue Feb 09 08:26:03 1999

Property ID: 4

Property Name: HILL | 1A | 28099-1

Table Name: S:\KGRAHAM\1999COMM\TEST.DBF

<u>--DATE--</u>	<u>--CUM OIL--</u>	<u>---CUM GAS---</u>	<u>M SIWHP</u>
	Bbl	Mcf	Psi

01/01/80		0	885.0 original
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04/07/81		160061	607.0
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05/01/82		260338	517.0
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04/17/84		333518	550.0
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03/01/99		687482	200 current estimated from P/z data
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Page No.: 1

Print Time: Thu Mar 11 07:52:36 1999

Property ID: 13

Property Name: HILL | 1A | 28100-1

Table Name: S:\KGRAHAM\1999COMM\TEST.DBF

<u>--DATE--</u>	<u>---CUM_GAS--</u>	<u>M SIWHP</u>
	<u>Mcf</u>	<u>Psi</u>

11/29/75	0	810.0
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 original

05/16/77	216274	440.0
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05/24/78	326483	435.0
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03/24/79	373289	467.0
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06/23/80	478982	452.0
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06/02/82	603184	359.0
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08/02/84	666430	371.0
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04/01/87	755041	455.0
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06/27/89	815392	360.0
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04/15/91	846521	322.0
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05/01/91	856647	334.0
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03/01/99	857631	212
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 current estimated from P/Z data

Hill #1A

Karen Kimple Nobrega
1506 W 32nd St.
Austin, TX 787031410

Rosalee F Kimple Ind Adm
Estate of Louis T Kimple
3131 Maple Ave #14F
Dallas, TX 75201

Frances H Rosi & Peter E Debogory
Successor Co-Trustees
Eugene Debogory Estate
907 Bambi Dr.
Destin, FL 325411801

Billie-Dalnewbro Williams
6556 Rosebay Street
Long Beach, CA 90808

David G Newbro
2016 Vista Cajon
Newport Beach, CA 92660

William Hall Newbro Jr.
534 E Cornell Dr.
Burbank, CA 91504

~~Minerals Management Service
Royalty Management Program
PO Box 5810
Denver, CO 802175810~~

Robert W Ulmer
2157 Shady Grove Dr.
Bedford, TX 76021

Barbara Bernstein
1 E Schiller St Apt. 3-D
Chicago, IL 60610

Theresa B Atlass, Trustee
T. B. Atlass LIV TRST 03-07275
Northern Trust Co.-Sundry
Asset Desk Security #6-069433
PO Box 92980
Chicago, IL 606752303

Betty Ann Moore, Admin.
Louis Trost Kimple Estate
1025 NW Grand Ave.
Phoenix, AZ 85007

First Presbyterian Church
200 E Boutz Road
Las Cruces, NM 88005

Charles H. Bradshaw
John C. Bradshaw AIF
Rev. Living Trust Dtd 7-15-71
PO Box 1938
Simpsonville, SC 296811938

Suzanne Martha Newbro
PO Box 1355
Post Falls, ID 83854

Franklin Newbro
Section F
Veterans Home of California
PO Box 1200
Yountville, CA 945991297

Gaynor Newbro Wilson
2115 S. Benson
Ontario, CA 91762

Pricilla Ann Milburn
PO Box 141
Midland, TX 79702

W. B. Ulmer Jr.
212 Lucy Ln.
Wylie, TX 75098

Perry M. Berke
C/O Baskin Server Berke & Weinstein
20 N. Wacker Dr. #1900
Chicago, IL 60606

Marathon Oil Company
Dept. 0882
PO box 120001
Dallas, TX 753102882

Jean B. Miller & Aline G. Miller
Family Trust
1915 Holiday
Neport Beach, CA 92660

Sue Stickle Wells Executrix
Estate of Vera B. Sickel Decd.
C/O 1st Natl BK&TR CO of Tulsa
PO Box 1
Tulsa, OK 74193

Clinton C. Carney Jr., Trustee
Clinton C. Carney Trust
3210 Forest Glen
Spring, TX 77380

Patricia C. Gorden, Trustee
Revocable Trst. Of Patricia C. Gorden
Dated May 3 1989
C/O First Natl Bk-Florida Keys
12640 Overseas Hwy
Marathon, FL 33050

Rita Sheehan
PO Box 159
Mattawan, MI 49071

APCO MINERALS LTD.
PO Box 459
Corpus Christi, TX 78403

Mozelle C. Hill
6208 Waterford Blvd. #109
Oklahoma City, OK 73118

Nations Bank NA Trste
Eula May Johnston Tr. 661
Trust Oil & Gas Section
PO Drawer 840738
Dallas, TX 752840738

~~Minerals Management Service
Royalty Management Program
PO Box 5810
Denver, CO 802175810~~

Mrs. Veva Jean Gibbard
PO Box 436
Sulphur, OK 73086

Hill #1A

Cross Timbers Oil Company
PO Box 840287
Dallas, TX 752840287

Richard H Godfrey
Revocable Trust DTD 1-1-82
Box 18661
Oklahoma City, OK 73154

APCO MINERALS LTD.
PO Box 459
Corpus Christi, TX 78403

Mozelle C. Hill
6208 Waterford Blvd. #109
Oklahoma City, OK 73118

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Royalty Management Program
PO Box 5810
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Hill 1A