

DATE IN 3/20/98	SUSPENSE 4/9/98	ENGINEER DC	LOGGED MV	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

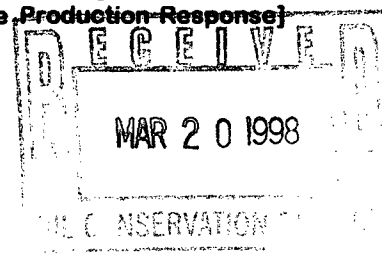
1901

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

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] and [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 - Statement of Understanding

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, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Bradfield

Regulatory/Compliance Administrator

Print or Type Name

Signature

Title

Date

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 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS :

☒ Administrative
☐ Hearing

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☒ YES ☐ NO

Burlington Resources Oil and Gas

PO Box 4289, Farmington, NM 87499

Operator

Turner

#1

Address

A-28-30N-09W

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7600 API NO. 30-045-09226

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		Mesa Verde - 72319
2. Top and Bottom of Pay Section (Perforations)	2580'-2610'		4221'-4889'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	(Current) a. 174 psi (see attachment)		a. 339 psi (see attachment)
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1170 psi (see attachment)		b. 1452 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1186		BTU 1192
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		No
* If Shut-In and oil/gas/water rates of last production	Date: N/A Rates:		Date: N/A Rates:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data			
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: 3/98 Rates: 28 mcf/d 0.0 bopd		Date: 3/98 Rates: 319 mcf/d 0.5 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 ☐ No11. 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 ☐ No13. 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 3/19/98TYPE OR PRINT NAME Mary Ellen Lutey TELEPHONE NO. (505) 326-9700

Well Location and Acreage Dedication Plat

Section A.

Date **DECEMBER 5, 1960**

Operator **EL PASO NATURAL GAS COMPANY** Lease **TURNER** **SF 078128**
 Well No. **1(PM)** Unit Letter **A** Section **28** Township **30-N** Range **9-W** NADPM
 Located **990** Feet From **NORTH** Line **990** Feet From **EAST** Line
 County **SAN JUAN** G. L. Elevation **5862** Dedicated Acreage **160** Acres
 Name of Producing Formation **PICTURED CLIFF & MV** Pool **AZTEC PC & BLANCO MV**

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes ☒ No ☐
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communication 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

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)

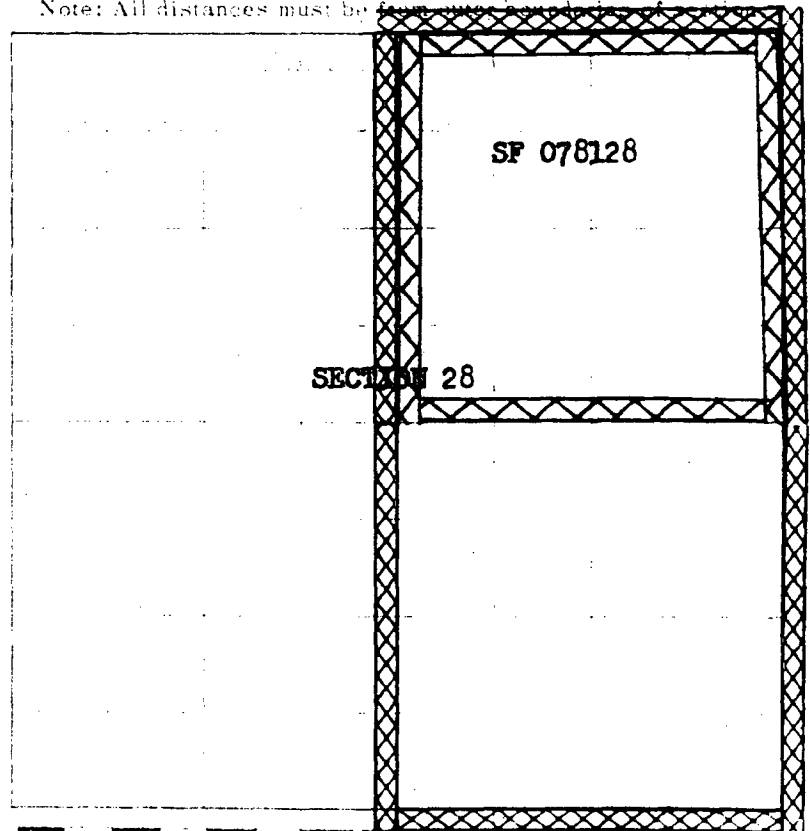
ORIGINAL SIGNED H.E. McANALLY
 (representative)

Box 990

(Address)

Farmington, New Mexico

Note: All distances must be from south boundary.



NOTE: THIS PLAT RE-ISSUED TO SHOW PC DEDICATION. 12 5 60

Scale 1 inch equals 1 mile

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

Signed

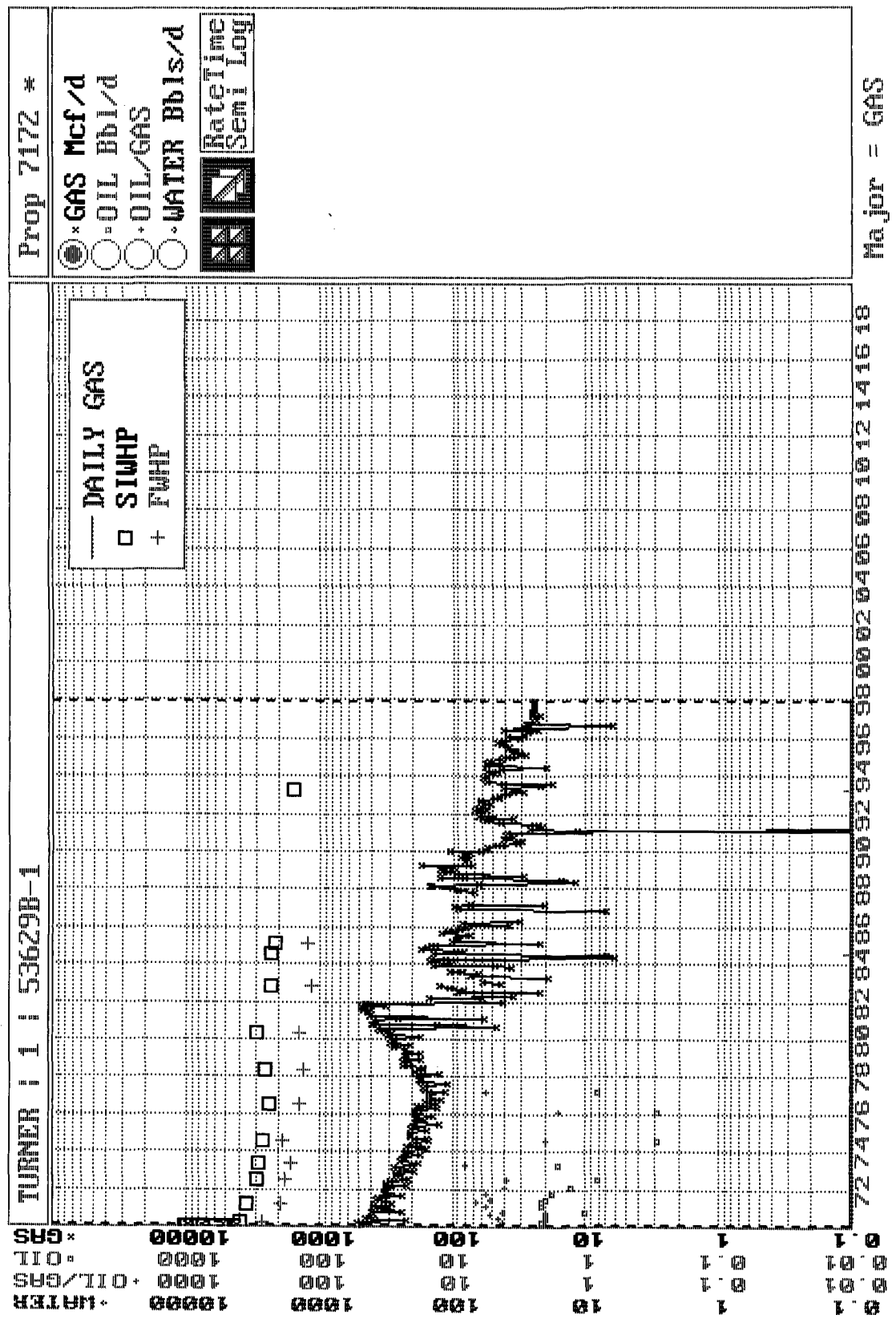
Date Surveyed

OCTOBER 26, 1950

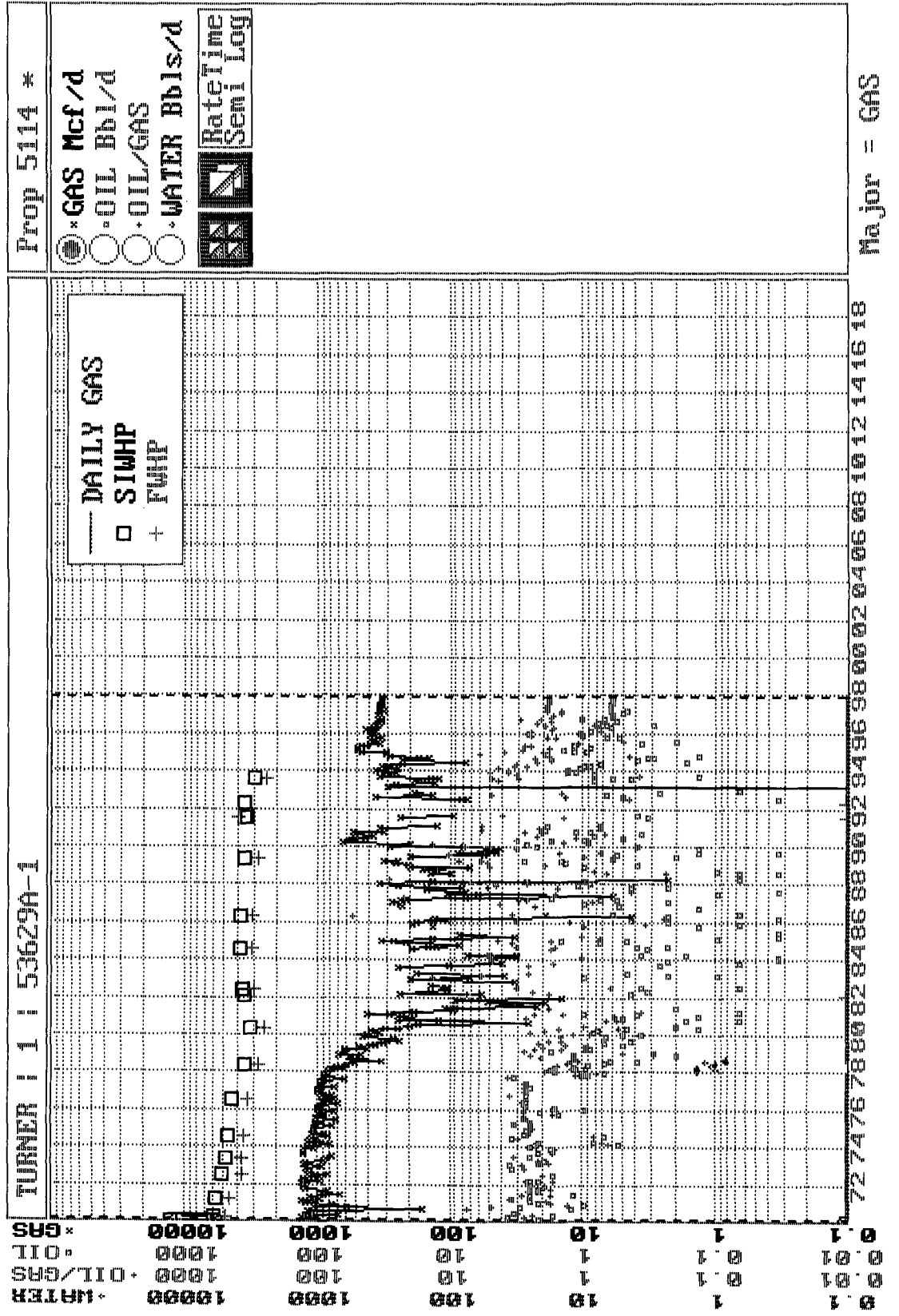
Farmington, New Mexico

Registered Professional Engineer and/or Land Surveyor

PC



MV



FARMINGTON

1998 MONTHLY PRODUCTION FOR 53629A

PHS030M1

TURNER 1

BLANCO MESAVERDE (PRORATED GAS FIELD

MESAVERDE ZONE

DAYS =====			OIL =====			=====			GAS =====					
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	F	31	02	13		01	9888	31	1189	15.025			
2					$\div 31$			$\div 31$						
3					<u>.4</u>			<u>319</u>						
4														
5														
6														
7														
8														
9														
10														
11														
12														

PF6 - RETURNS TO ANNUAL DISPLAY

PF10 - HELP INFORMATION

00/00/00 00:00:00:0

PF3 - TRANSFER TO UPDATE

PF9 - DISPLAY MONTHLY INJECTION

PRS 03/04/98

FARMINGTON

1998 MONTHLY PRODUCTION FOR 53629B

PHS030M1

TURNER 1

BLANCO PICTURED CLIFFS (GAS) FIELD

PICTURED CLIFFS ZONE

DAYS =====			OIL =====			=====			GAS =====					
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	F					01	863	31	1184	15.025			
2								<u>31</u>						
3								28						
4														
5														
6														
7														
8														
9														
10														
11														
12														

PF6 - RETURNS TO ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

00/00/00 00:00:00:0

PRS 03/04/98

DC

Page No.: 24
 Print Time: Thu Jun 26 07:44:11 1997
 Property ID: 7172
 Property Name: TURNER | 1 | 53629B-1
 Table Name: K:\ARIES\RR98PDP\TEST.DBF

--DATE--	--CUM OIL- Bbl	---CUM GAS-- Mcf	M SIWHP Psi
01/03/61		0	1024.0
01/19/61		0	1024.0
08/28/61		130000	977.0
02/20/62		377000	914.0
04/12/63		861000	808.0
04/14/64		1203000	615.0
02/04/65		1352000	630.0
09/19/66		1734000	519.0
03/22/67		1819000	526.0
04/01/68		1967000	505.0
07/25/69		2220112	440.0
04/07/70		2337614	398.0
03/25/71		2456967	357.0
07/17/72		2605730	299.0
05/01/73		2678507	283.0
07/31/74		2766674	266.0
07/12/76		2897606	237.0
05/23/78		3002206	259.0
05/12/80		3176927	299.0
11/04/82		3388303	232.0
08/02/84		3428752	229.0
02/04/85		3453609	219.0
04/15/93		3621421	155.0

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.67
COND. OR MISC. (C/M)	C
%N2	0.2
%CO2	1.22
%H2S	0
DIAMETER (IN)	1.6
DEPTH (FT)	4823
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	115
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	155
BOTTOMHOLE PRESSURE (PSIA)	173.7

TURNER #1 PICTURED CLIFFS- (CURRENT)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.67
COND. OR MISC. (C/M)	C
%N2	0.2
%CO2	1.22
%H2S	0
DIAMETER (IN)	1.6
DEPTH (FT)	4823
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	115
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1024
BOTTOMHOLE PRESSURE (PSIA)	1169.8

TURNER #1 PICTURED CLIFFS- (ORIGINAL)

mv

Page No.: 3
 Print Time: Wed May 28 09:08:10 1997
 Property ID: 5114
 Property Name: TURNER | 1 | : : 7529 CF: 93 SIP:
 Table Name: K:\ARIES\RR98PDP\TEST.DBF

--DATE--	---CUM GAS-- Mcf	M SIWHP Psi	C SIWHP
01/07/51	0	1263.0	
01/20/51	0	1098.0	
08/04/53	479000	937.0	
04/15/54	614000	911.0	
04/15/55	796000	902.0	
07/23/56	944000	863.0	
05/23/57	1062000	858.0	
05/06/58	1166000	852.0	
04/14/59	1233000	824.0	
04/14/60	1316000	817.0	
01/03/61	0	0.0	
04/13/61	1439000	858.0	
02/20/62	1745000	812.0	
04/12/63	1986000	809.0	
04/14/64	2272000	773.0	
02/04/65	2514000	754.0	
03/11/66	2932000	739.0	
03/22/67	3359000	693.0	
04/01/68	3752000	665.0	
04/14/69	4183854	636.0	
04/07/70	4505312	608.0	
03/25/71	4828441	576.0	
07/17/72	5347832	532.0	
05/01/73	5687573	493.0	
07/31/74	6075259	469.0	
07/12/76	6758700	437.0	
05/23/78	7323879	360.0	
05/12/80	7642739	318.0	
02/02/82	7783308	354.0	
05/04/82	7738649	372.0	
08/02/84	7793282	376.0	
04/02/86	7858914	377.0	
05/05/89	7984945	352.0	
07/01/91	8174189	356.0	
07/23/91	8178958	344.0	
04/23/92	8200000	352.0	
07/30/93	8232992	301.0	

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.7</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.31</u>
%CO2	<u>1.02</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>1.6</u>
DEPTH (FT)	<u>4867</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>155</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>301</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>338.9</u>

TURNER #1 MESA VERDE- (CURRENT)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.7</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.31</u>
%CO2	<u>1.02</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>1.6</u>
DEPTH (FT)	<u>4867</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>155</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1263</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1451.8</u>

TURNER #1 MESA VERDE- (ORIGINAL)

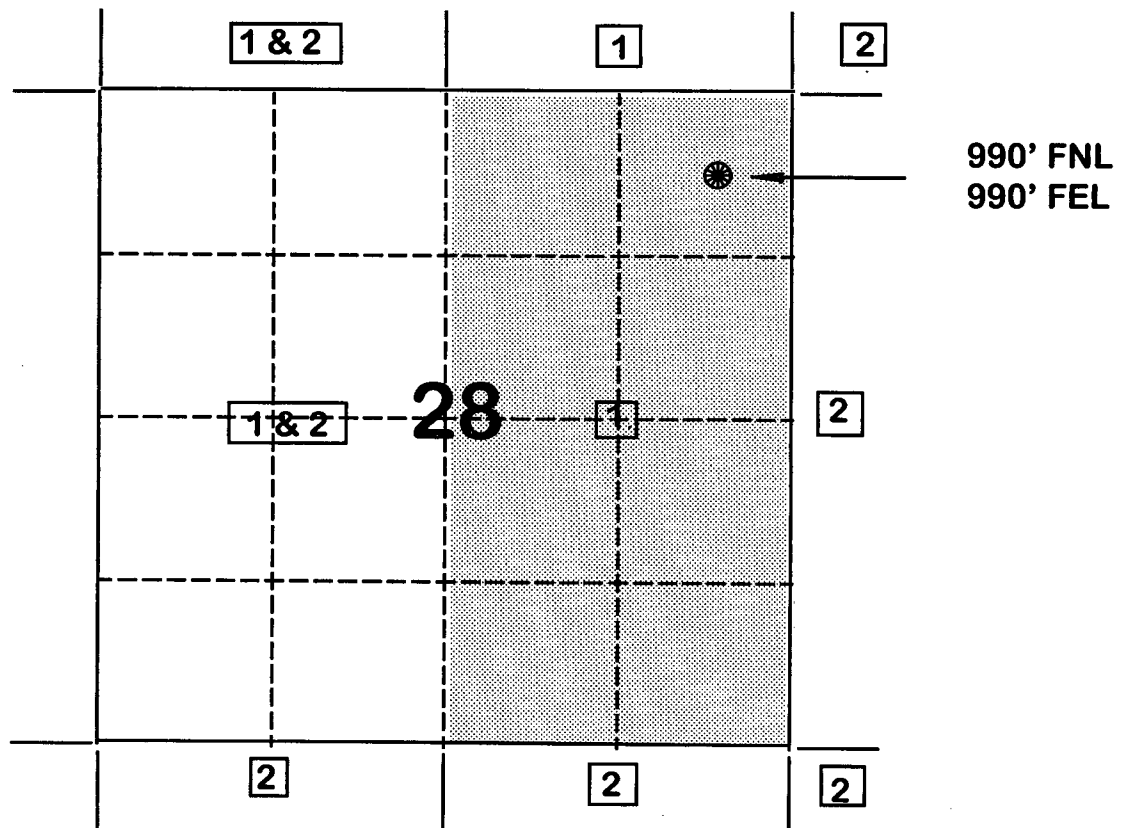
BURLINGTON RESOURCES OIL AND GAS COMPANY

Turner #1

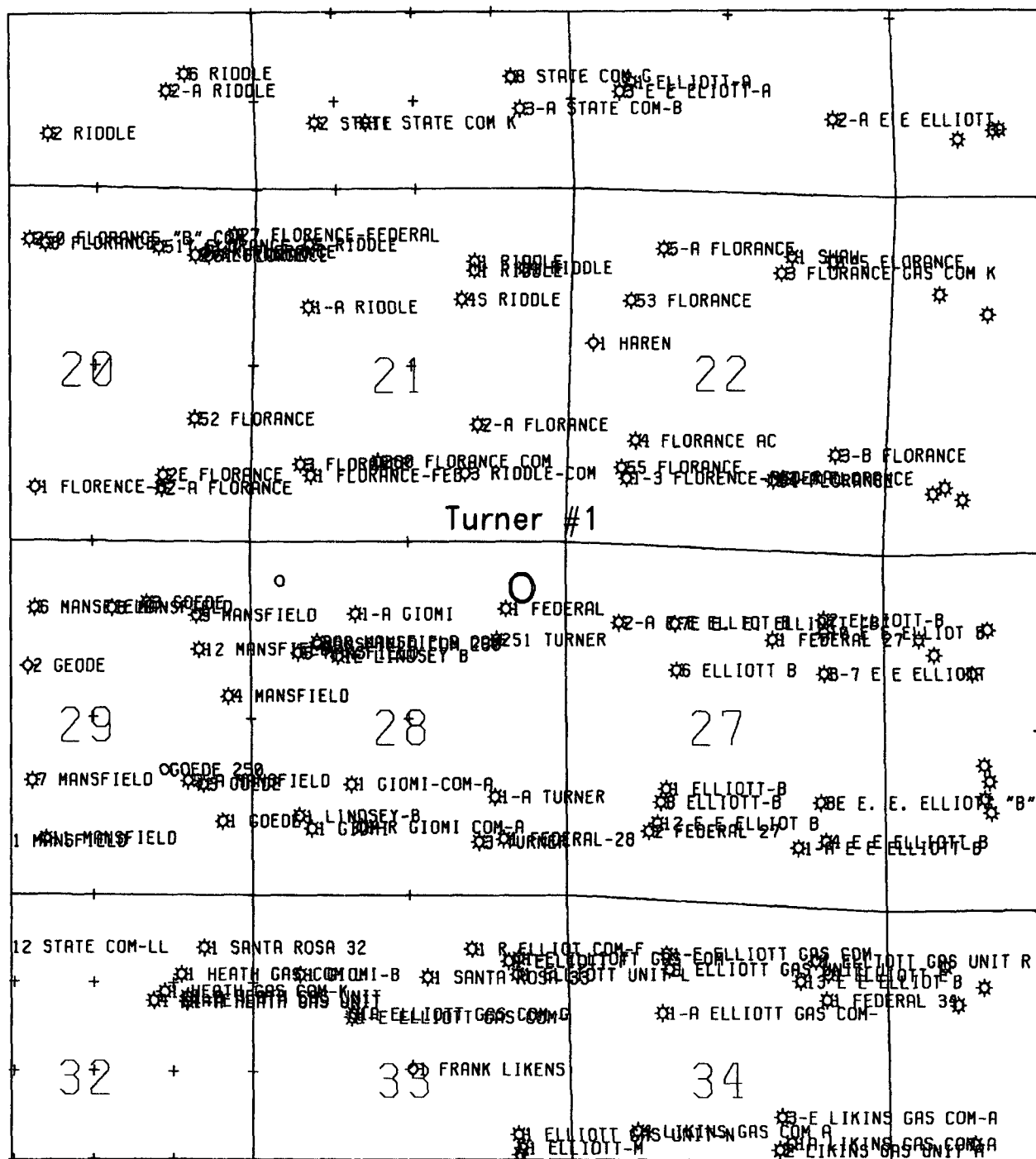
OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Pictured Cliffs Formations Commingle Well

Township 30 North, Range 9 West



- 1) Burlington Resources
- 2) Amoco Production Company
c/o Bruce Zimney
P.O. Box 800
Denver, CO 80201



Turner #1

A, Sec 28 T30N R09W

PC / MV