

DATE IN 9/2/98	SUSPENSE 9/22/98	ENGINEER DC	LOGGED BY KW	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



211

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

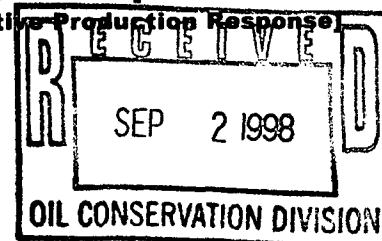
Check One Only for [B] or [C]

[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

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 :
X Administrative ___Hearing
EXISTING WELLBORE
X YES ___ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company PO Box 4289, Farmington, NM 87499

Operator Address

Allison Unit 7 P 10-32N-07W San Juan

Lease Well No. Unit Ltr. - Sec - Twp - Rge County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 6784 API NO. 30-045-11474 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	Blanco Mesaverde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	will be supplied upon completion		8165-8443
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	(Current) a. 616 psi (see attachment) (Original) b. 1240 psi (see attachment)	a. b.	a. 1223 psi (see attachment) b. 2916 psi (see attachment)
6. Oil Gravity (API) or Gas BTU Content	BTU 988		BTU 954
7. Producing or Shut-In?	shut in		producing
Production Marginal? (yes or no)	no		yes
* If Shut-In 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: n/a Rates:	Date: Rates:	Date: n/a Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: % will be supplied upon completion	Oil: % Gas: %	Oil: % Gas: % 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 x No
If not, have all working, overriding, and royalty interests been notified by certified mail? Yes x No
Have all offset operators been given written notice of the proposed downhole commingling? x Yes No
11. Will cross-flow occur? x 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. x 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 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. X Yes No
15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). Reference Order R-9918 attached
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 Sean Woolverton TITLE: Reservoir Engineer DATE: 08-31-98

TYPE OR PRINT NAME Sean Woolverton TELEPHONE NO. (505) 326-9700

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

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-11474		*Pool Code 72319/71599	*Pool Name Blanco Mesaverde/Basin Dakota
*Property Code 6784	*Property Name ALLISON UNIT		*Well Number 7
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6732'

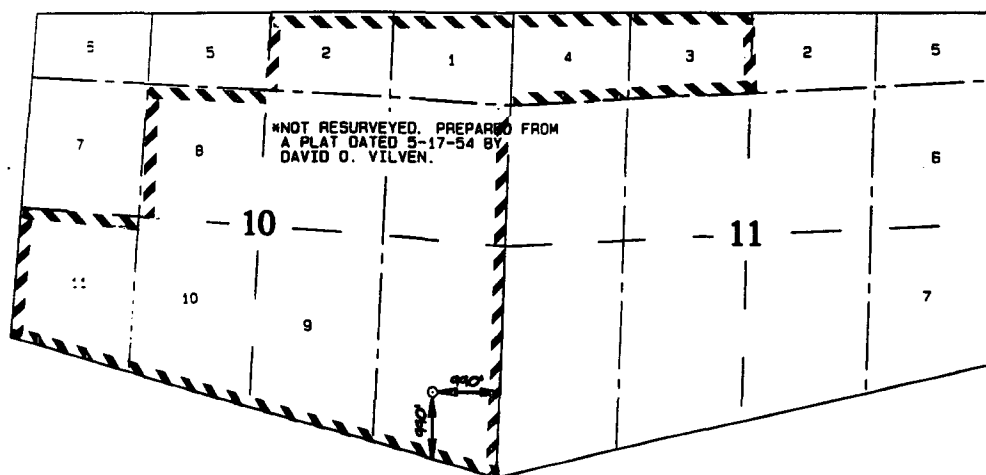
¹⁰ Surface Location

UL or 1st no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
P	10	32N	7W		990	SOUTH	990	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or 1st no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedication Acres MV-357.84 DK - 357.84		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R-2046			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION

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

Signature

Peggy Bradfield

Printed Name

Regulatory Administrator

Title

8-28-98

Date

¹⁸ SURVEYOR CERTIFICATION

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 belief.

AUGUST 26, 1998

Date of Survey

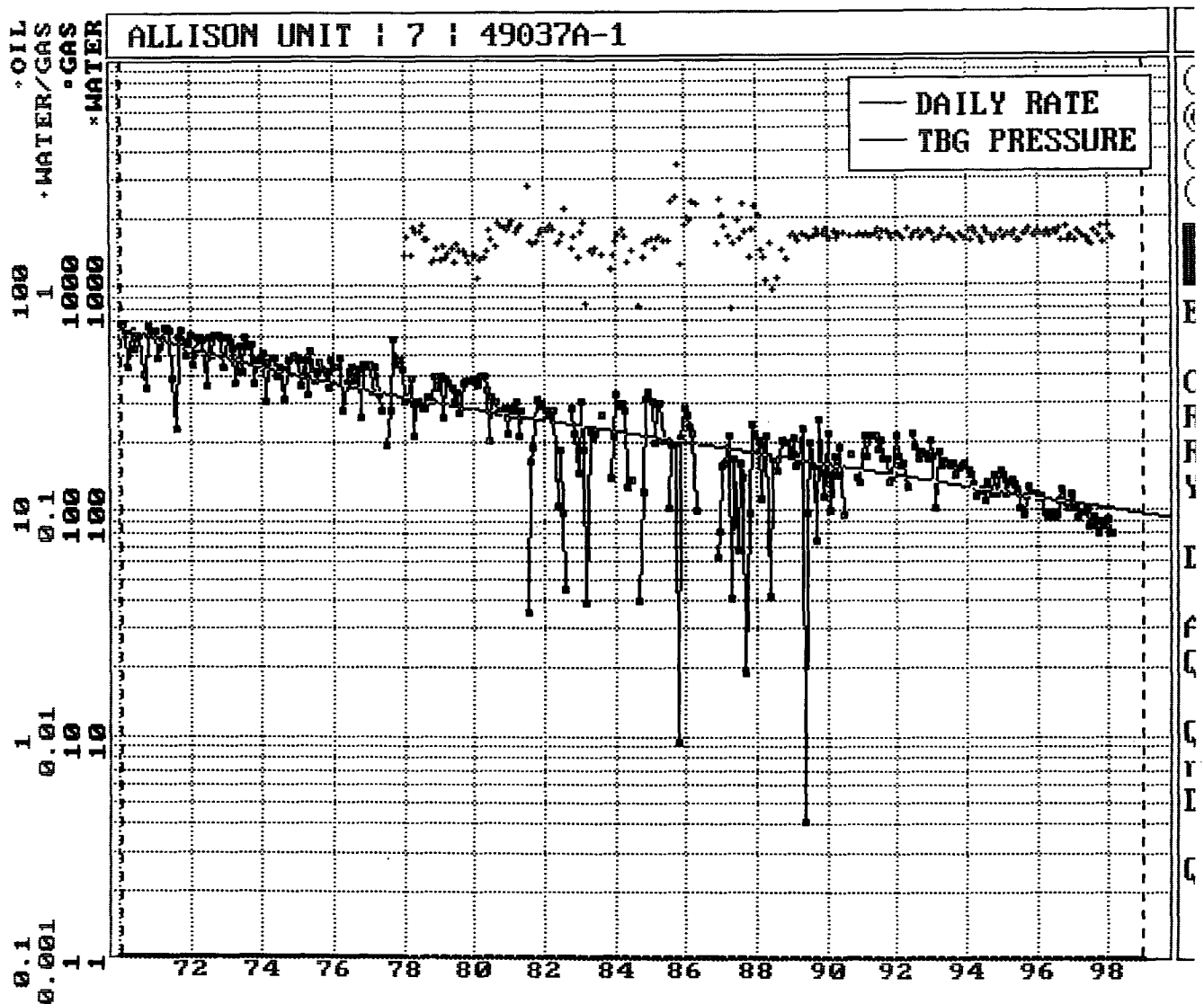
Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
Certification Number

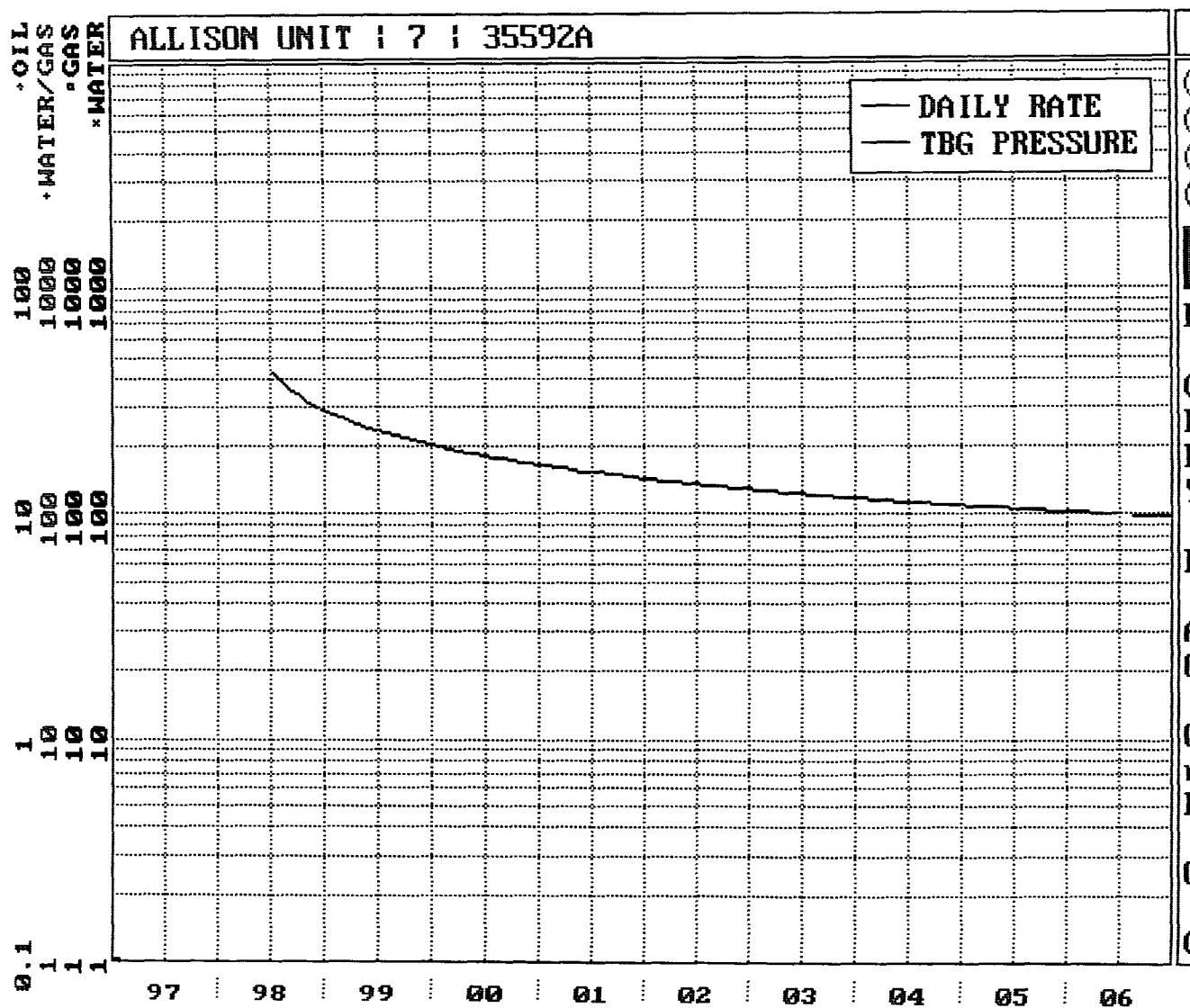
Allison Unit #7

Basin Dakota

Actual Production



Allison Unit #7
Blanco Mesaverde
Expected Production Curve



Page No.: 1
Print Time: Fri May 08 13:26:29 1998
Property ID: 13
Property Name: ALLISON UNIT | 7 | 49037A-1
Table Name: C:\ARIES\SUPPS98\TEST.DBF

--DATE-- M SIWHP
■■■■■■■■■■ ■■■■Psi■■■

07/29/59	2427.0	-original
07/28/61	2000.0	
04/18/62	1905.0	
04/29/63	1825.0	
04/22/64	1523.0	
10/18/65	1585.0	
02/23/66	2099.0	
03/06/67	1917.0	
03/08/68	1810.0	
04/16/69	1715.0	
06/02/70	1614.0	
07/19/71	1509.0	
08/10/72	1449.0	
06/18/73	1412.0	
04/29/75	1337.0	
08/08/77	1292.0	
06/05/79	1232.0	
06/02/81	1212.0	
09/02/83	1104.0	
05/02/85	1052.0	
08/15/88	881.0	
04/22/90	1027.0	-current

Allison Unit #7

Basin Dakota

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Page No.: 1
Print Time: Fri May 08 13:27:50 1998
Property ID: 8411
Property Name: ALLISON UNIT | 16R | 36918A-1
Table Name: K:\ARIES\RR99PDP\TEST.DBF

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Property ID: 8411
Property Name: ALLISON UNIT | 16R | 36918A-1
Table Name: K:\ARIES\RR99PDP\TEST.DBF
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Property Name: ALLISON UNIT | 16R | 36918A-1
Table Name: K:\ARIES\RR99PDP\TEST.DBF
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--DATE-- M SIWHP
■■■■■■■■■■ ■■■■Psi■■■
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06/15/58	1072.0	-original
07/16/64	0.0	
08/05/70	857.0	
08/31/71	922.0	
06/22/72	782.0	
07/03/73	752.0	
04/18/74	733.0	
06/02/76	666.0	
08/03/78	695.0	
07/01/80	687.0	
05/18/82	711.0	
07/02/84	702.0	
03/18/86	714.0	
03/29/89	768.0	
01/24/91	699.0	
02/01/94	662.0	
03/07/95	537.0	-current

Allison Unit #7

Mesaverde Offset

Allison Unit #7
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

Mesaverde		Dakota	
<u>MV-Current</u>		<u>DK-Current</u>	
GAS GRAVITY	0.586	GAS GRAVITY	0.598
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.08	%N2	0.1
%CO2	2.21	%CO2	4.31
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2
DEPTH (FT)	6468	DEPTH (FT)	8170
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	537	SURFACE PRESSURE (PSIA)	1027
BOTTOMHOLE PRESSURE (PSIA)	615.8	BOTTOMHOLE PRESSURE (PSIA)	1222.5
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.586	GAS GRAVITY	0.598
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.08	%N2	0.1
%CO2	2.21	%CO2	4.31
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2
DEPTH (FT)	6468	DEPTH (FT)	8170
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1072	SURFACE PRESSURE (PSIA)	2427
BOTTOMHOLE PRESSURE (PSIA)	1240.2	BOTTOMHOLE PRESSURE (PSIA)	2915.9

Allison Unit #7

OFFSET OPERATOR/OWNER PLAT

Mesaverde / Dakota Formations Commingle Well

**(Nonstandard Sections with Nonstandard Dedications
for Mesaverde / Dakota Formations)**

1) Burlington Resources

Allison Unit #7

Basin Dakota

32N-07W-10

