

DATE 2/13/01	SUSPENSE 3/5/01	ENGINEER DC	LOGGED IN KW	TYPE DHC	APP NO. 104651354
--------------	-----------------	-------------	--------------	----------	-------------------

AMEND

ABOVE THIS LINE FOR DIVISION USE ONLY

2416

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



[Handwritten signature]

ADMINISTRATIVE APPLICATION COVERSHEET

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

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [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 - Simultaneous Dedication
☐ NSL ☐ NSP ☐ 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 reviewed the 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.

Peggy Cole

Print or Type Name

Signature

Regulatory Supervisor

Title

Date

2-12-01

pbradfield@br-inc.com
 e-mail Address

District I
1625 N. French Drive, Hobbs, NM 88240
District II
811 South First Street, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15, 2000

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, New Mexico 87505
APPLICATION FOR DOWNHOLE COMMINGLING

APPLICATION TYPE
X Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE
X Yes No

Burlington Resources Oil and Gas
Operator

3401 East 30th Street, Farmington, New Mexico
Address

Jicarilla 153 12 D-35-026N-005W Rio Arriba
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 14538 Property Code 16579 API No. 30-039-20113 Lease Type: Federal X State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	South Blanco Pictured Cliffs	Blanco Mesaverde	Basin Dakota
Pool Code	72439	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3052'-3118'	Will be supplied upon completion	7244'-7470'
Method of Production (Flowing or Artificial Lift)	Flowing	New Zone	Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	Current – 463 psi Original – 1134 psi (see attachment)	Current – 469 psi Original – 1209 psi (see attachment)	Current – 687 psi Original – 1739 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1253	BTU 1227	BTU 1219
Producing, Shut-In or New Zone	Producing	New Zone	Producing
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: December 2000 Rates: 23 MCPFD	Date: N/A Rates:	Date: December 2000 Rates: 54 MCPFD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas Supplied Upon Completion	Oil Gas Supplied Upon Completion	Oil Gas Supplied Upon Completion

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X No

Are all produced fluids from all commingled zones compatible with each other? Yes X No

Will commingling decrease the value of production? Yes No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes X No

NMOCD Reference Case No. applicable to this well:

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 working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE nco TYPE OR PRINT NAME Randy Buckley TITLE Production Engineer DATE 2-9-01 TELEPHONE NO. (505) 326-9700

State of New Mexico

Energy, Minerals & Natural Resources Department

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

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-20113		Pool Code 72439/72319/71599	Pool Name Basin Dakota South Blanco Pictured Cliffs/Blanco Mesaverde/
Property Code 16579	Property Name Jicarilla 153		Well Number 12
OGRID No. 14538	Operator Name Burlington Resources Oil & Gas Company LP		Elevation 6628' GR

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
D	35	26N	5W		875'	North	1090'	West	RA

11 Bottom Hole Location If Different From Surface

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

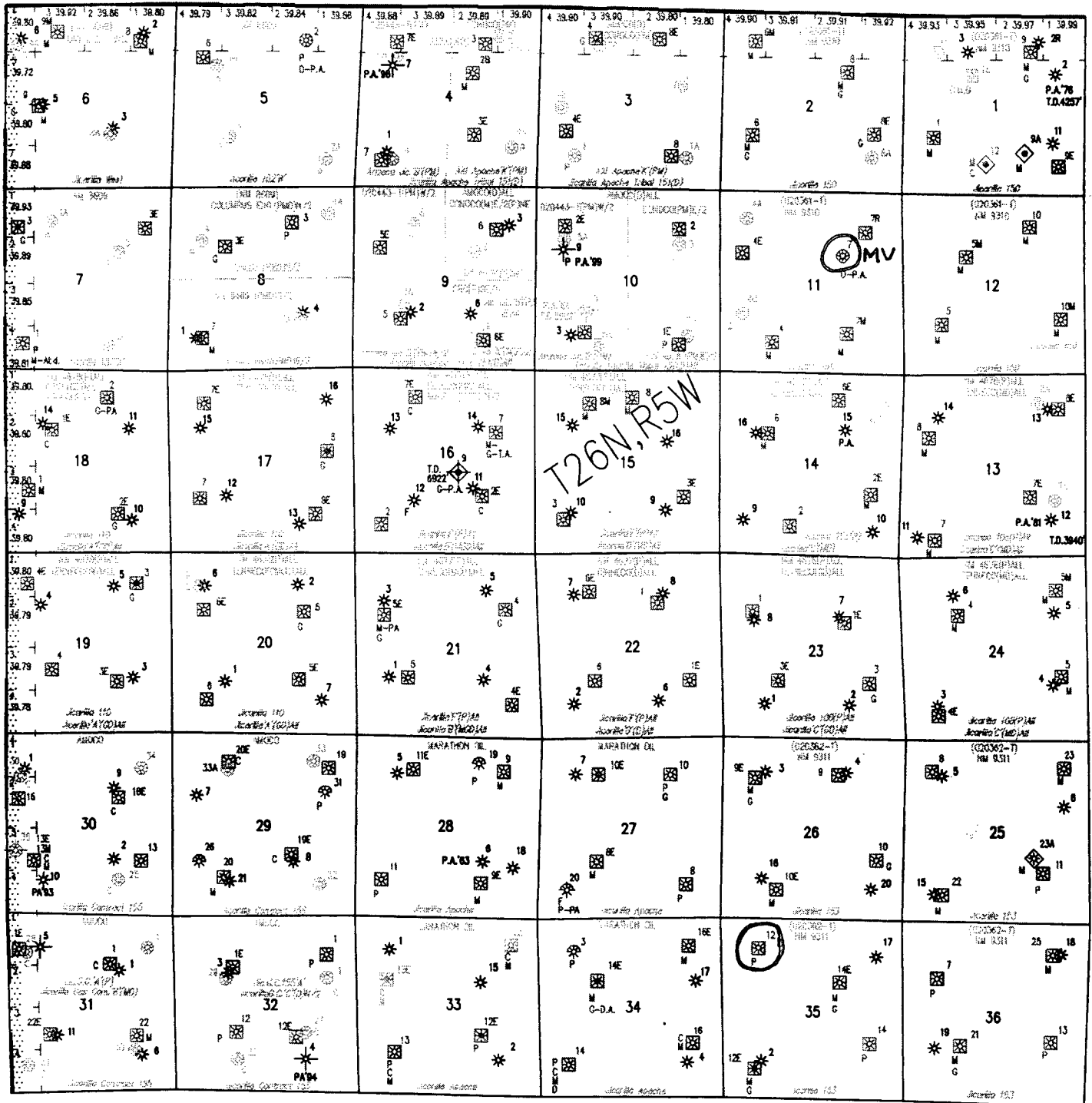
12 Dedicated Acres PC - 160 MV/DK-W/320	13 Joint or Infill	14 Consolidation Code	15 Order No.
---	--------------------	-----------------------	--------------

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

	Original plat from James P. Leese 6-13-68	17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature Peggy Cole Printed Name Regulatory Supervisor Title 2-5-01 Date
		18 SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyer:
		Certificate Number

JICARILLA 153 #12

35-026N-005W-D

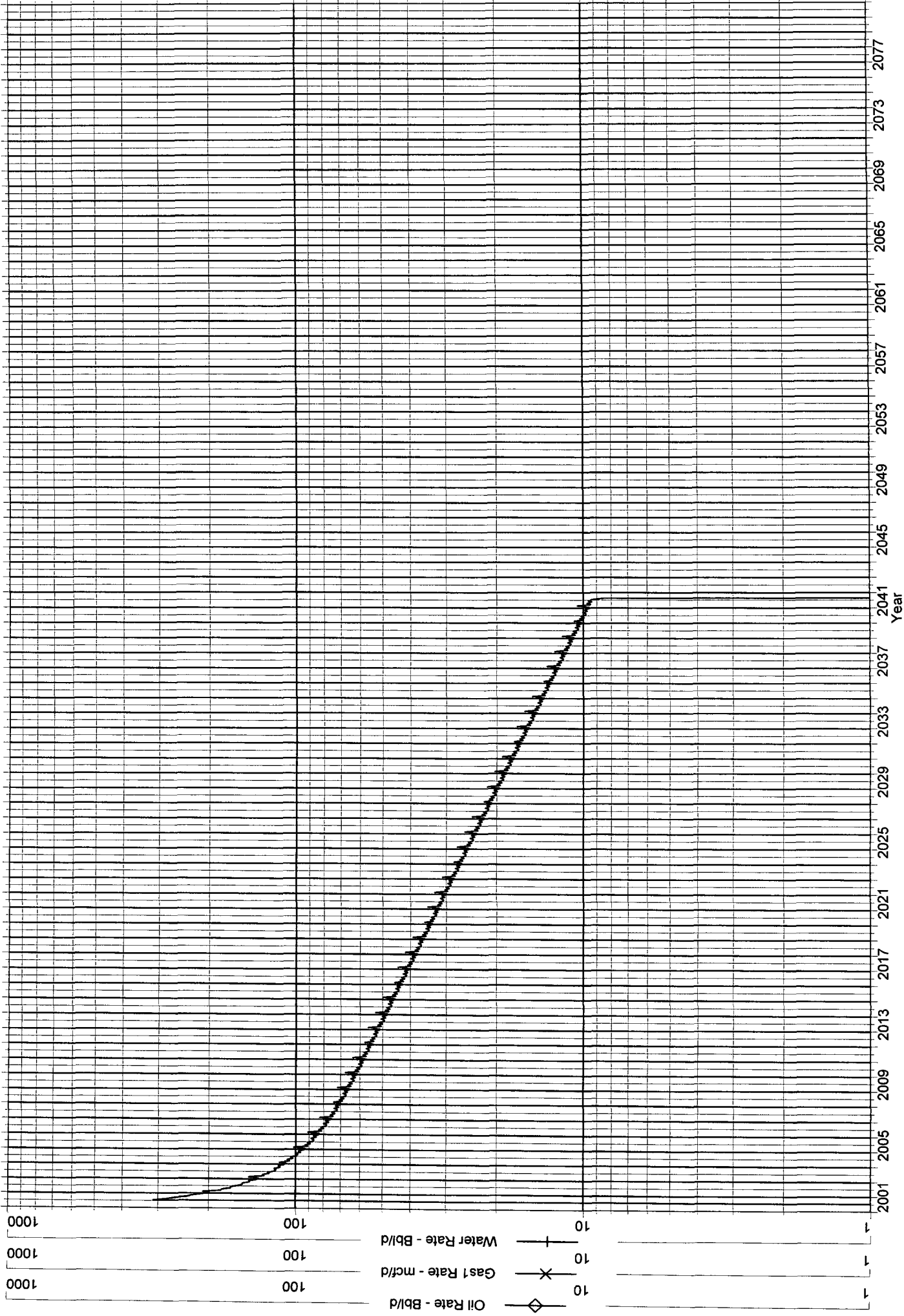


{{1F5A8B28-FDEC-11D4-9983-0090274E6782}} Data: Feb.2001-Feb.2001

Operator:
Field:
Zone:
Type: Other
Group: None

No
Active
Forecast

Production Cums
Oil: 0 MSTB
Gas: 0 MMSCF
Water: 0 MSTB
Cond: 0 MSTB



JICARILLA 153 #12
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

PICTURED CLIFFS		MESAVERDE	
<u>PC-Current</u>		<u>MV-Current</u>	
GAS GRAVITY	0.721	GAS GRAVITY	0.712
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.89	%N2	0.34
%CO2	0.19	%CO2	1.08
%H2S	0	%H2S	0
DIAMETER (IN)	1.25	DIAMETER (IN)	1.25
DEPTH (FT)	3085	DEPTH (FT)	6171
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	122	BOTTOMHOLE TEMPERATURE (DEG F)	122
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	426	SURFACE PRESSURE (PSIA)	399
BOTTOMHOLE PRESSURE (PSIA)	462.5	BOTTOMHOLE PRESSURE (PSIA)	469.0
<u>PC-Original</u>		<u>MV-Original</u>	
GAS GRAVITY	0.713	GAS GRAVITY	0.679
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.94	%N2	0.36
%CO2	0.15	%CO2	1.04
%H2S	0	%H2S	0
DIAMETER (IN)	1.25	DIAMETER (IN)	1.25
DEPTH (FT)	3085	DEPTH (FT)	5705
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	122	BOTTOMHOLE TEMPERATURE (DEG F)	117
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1035	SURFACE PRESSURE (PSIA)	1030
BOTTOMHOLE PRESSURE (PSIA)	1134.2	BOTTOMHOLE PRESSURE (PSIA)	1208.5

JICARILLA 153 #12
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

DAKOTA			
<u>DK-Current</u>		<u>Current</u>	
GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA)	0.692 C 0.38 0.76 0 1.25 7357 60 207 0 576	GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA)	0 C 0 0 0 0 0 0 0 0
BOTTOMHOLE PRESSURE (PSIA) 686.9		BOTTOMHOLE PRESSURE (PSIA) #DIV/0!	
<u>DK-Original</u>		<u>Original</u>	
GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA)	0.696 C 0.49 0.75 0 1.25 7357 60 207 0 1427	GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA)	0 C 0 0 0 0 0 0 0 0
BOTTOMHOLE PRESSURE (PSIA) 1738.8		BOTTOMHOLE PRESSURE (PSIA) #DIV/0!	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

SOUTHERN UNION PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 808, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 875 FT. FROM NORTH LINE & 1090 FT. FROM EAST LINE.

At top prod. interval reported below SAME AS ABOVE

At total depth SAME AS ABOVE

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 6/28/68 16. DATE T.D. REACHED 7/8/68 17. DATE COMPL. (Ready to prod.) 8/8/68 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 6665 FT. R.K.B. 19. ELEV. CASING HEAD 6665

20. TOTAL DEPTH, MD & TVD 7530 FT. R.K.B. 21. PLUG, BACK T.D., MD & TVD 7490 FT. R.K.B. 22. IF MULTIPLE COMPL., HOW MANY* 2 23. INTERVALS DRILLED BY 0-950

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

3052 - 3118 PICTURED CLIFFS MD&TVD
7244 - 7470 DAKOTA MD&TVD

26. TYPE ELECTRIC AND OTHER LOGS RUN

S. INDUCTION, DENSITY, GAMMA RAY CORRELATION, CEMENT BOND LOG

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD
10-3/4"	32.75	322	13-3/4"	225 BAGS
9-5/8"	26.40	3302	9-7/8"	1250 CU. FT.
4-1/2"	10.50	3171 TOP 7526 BOTTOM	6-3/4"	950 CU. FT.

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2"	3171	7526	950 CU. FT.	

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1 1/2" I.J.	3098 FT. R.K.B.	7183 FT. R.K.B.
1 1/2" E.U.E.	7183 FT. R.K.B.	

31. PERFORATION RECORD (Interval, size and number)

PICTURED CLIFFS: 1 SHOT/FT. 3052-3053,
3064-3068, 3082-3086, 3106-3118.
0.48" HOLE SIZE.
DAKOTA: 1 SHOT/FT. 7244-7262, 7372-7386,
7404-7426, 7464-7470. - 0.48" HOLE SIZE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3052 - 3118	60,000# SAND & 31,000# BALLS. WTR.
7244 - 7470	120,000# SAND, 2,000# BALLS BEADS. 80,976 GALS. WATER

33. PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY—API (CORR.)
8/23/68	3	3/8"	→		272 = DAKOTA 274 = PICTURED CLIFFS		
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.		
240 172	PACKER 222	→		246 = DAKOTA 2191 = PICTURED CLIFFS			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

VENTED

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

GILBERT D. NOLAND, JR.

SIGNED GILBERT D. NOLAND, JR.

TITLE

DRILLING SUPERINTENDENT

DATE

SEPTEMBER 10, 1968

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS



Name

JICARILLA 153 12 37118

Analysis Name

Analysis:

1:1

Analysis

Effective Date

03/13/2000



Sample Date

03/01/2000

Pressure Base BTU

14.7300

Wet/Dry

Dry

Heat Content

1.21900000

Specific Gravity

0.706

Coefficient Factor

0.0000

Calculation Type

☒ Enter Percentages☐ Enter GPM

Related To

O2%

0.00000

Hexane Plus GPM

0.0000

C9 %

0.00583

Hydrogen (H2)

MOL Fraction

0.00000

MOL Count

0.0000

Helium (He)

0.00000

0.0000

Nitrogen (N2)

0.00512

0.0000

Carbon Dioxide (CO2)

0.00875

0.0000

Hydrogen Sulphide (H2S)

0.00000

0.0000

Methane (C1)

0.82640

0.0000

Ethane (C2)

0.08988

0.0000

Propane (C3)

0.03639

0.0000

Isobutane (IB4)

0.00733

0.0000

Butane

0.01086

0.0000

Isopentane (IP5)

0.00501

0.0000

Pentane (P5)

0.00443

0.0000

Hexane (C6)

0.00000

0.0000

Heptane (C7)

0.00000

0.0000

Final Totals

Total

0.9942

0.00000

03/13/2000

3:3

Start



TOW/cs Production Ac...

Document1 - Microsoft W...

AI Number	Meter Number	Well	Formation	Sample Date	Test Pressure	Test Temperature	Wet BTU Factor (BTU/CF at 14.73)	Dry BTU Factor (BTU/CF at 14.73)	Mol % H2	Mol % He	Mol % N2	Mol % O2
3595302	37118	JICARILLA 153 12 (DK)	DK	19980401	14.73	60	1182.084	1203	0	0	0.38	0
3595302	37118	JICARILLA 153 12 (DK)	DK	19970501	14.73	60	1182.084	1203	0	0	0.82	0
3595302	37118	JICARILLA 153 12 (DK)	DK	19980901	14.73	60	1186.015	1207	0	0	0.49	0

Mol % H2S	Mol % CO2	Mol % C1	Mol % C2	Mol % C3	Mol % IC4	Mol % NC4	Mol % C5	Mol % C6	Mol % C6+	Mol % C7	Field Measured Specific Gravity	Calculated Specific Gravity
0	0.76	83	9.87	3.48	0.55	0.89	0.31	0	0.52	0	0	0.892
0	0.76	82.17	10	3.61	0.61	0.96	0.36	0	0.43	0	0	0.897
0	0.75	82.69	9.82	3.59	0.6	0.95	0.34	0	0.52	0	0	0.896

AI Number	Meter Number	Well	Formation	Sample Date	Test Pressure	Test Temperature	Wet BTU Factor (BTU/CF at 14.73)	Dry BTU Factor (BTU/CF at 14.73)	Mol % H2	Mol % He	Mol % N2	Mol % O2
3595301	37131	JICARILLA 153 12 (PC)	PC	19981001	14.73	60	1231.215		1253	0	0	0.89
3595301	37131	JICARILLA 153 12 (PC)	PC	19970401	14.73	60	1216.476		1238	0	0	1.37
3595301	37131	JICARILLA 153 12 (PC)	PC	19960901	14.73	60	1220.406		1242	0	0	0.94

Mol % H2S	Mol % CO2	Mol % C1	Mol % C2	Mol % C3	Mol % C4	Mol % NC4	Mol % IC5	Mol % NG5	Mol % C6+	Mol % C7	Field Measured Specific Gravity	Calculated Specific Gravity
0	0.19	82.81	7.28	4.41	1.23	1.29	0.53	0.32	0	0	0	0.721
0	0.22	82.18	7.46	4.86	1.18	1.25	0.49	0.31	0	0	0	0.716
0	0.15	82.6	7.38	4.82	1.19	1.23	0.49	0.29	0	0	0	0.713

Well Block Report

Copyright 1995-01 Petroleum Information/Dwights LLC. All rights reserved.

***** 02/07/2001 16:52:09 ***** PAGE 1

*** Well Header ***

(ROCKY MOUNTAIN - HISTORICAL WELL)

GVT ID: 30039201130000 State: NEW MEXICO County: RIO ARBA
 UWI: 30039201130000
 Oper: SOUTHERN UNION PROD Oper Code: 037511
 Well: 12 Lease: JICARILLA J
 Province: SAN JUAN BASIN Prov Code: 580
 Field: BASIN Field Code: 002700
 Prop Source Code: PETROLEUM INFORMATION/DWIGHTS

Meridian: NEW MEXICO 1855 Meridian Code: 23
 Twp: 26.0N Rng: 5.0W Sec: 35.0 Spot: SE NW NW
 Footages: 875FNL 1090FWL CONGRESS SECTION
 Source: GINAD27 Lat: 36.44817 Long: -107.33324

Contr: ARAPAHOE DRILLING Tools: ROTARY Rig Nbr:
 Oper Elev: 6653GR Rig Ht: Rig Release:
 Drlr Depth: 7530 FT TVD: Form @ TD: DAKOTA
 Log TD: PB Depth: Form Age @ TD: CRETACEOUS
 Old TD: Proj Depth: 7510 FT Proj Form: DAKOTA
 Spud Date: 06/28/1968 Date Well Added: 09/01/1972 Abnd Date:
 Comp Date: 08/27/1968 Last Update: 12/01/1998 TD Reached:
 Final Status: 2GAS Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-GAS
 Prod Formation: DAKOTA PICT CLIFF

Test Information

=====

Well Number	Test Date	Upper Perf	Lower Perf	Gas MCFD	Liq	Wtr	***** %BSW	Pressures SITP	FTP	CLP	BHP/Z	Gas Grav	Mt
12	08/08/1968			2986	0	0	1427				1933	U	
12	06/24/1970			433	0	0	1003	417			1313	U	
12	04/17/1971			353	0	0	1021	390			1340	U	
12	04/17/1972			262	0	0	853	334			1099	U	
12	06/02/1973			549	0	0	986	309			1288	U	
12	05/02/1975			93	0	0	851	191			1096	U	
12	05/02/1977			171	0	0	616	209			773	U	
12	07/01/1979			176	0	0	644	256			810	U	
12	05/31/1981			125	0	0	516	302			640	U	
12	06/08/1983			56	0	0	494	379			611	U	
12	11/05/1985			55	0	0	629	366			790	U	
12	05/18/1988			88	0	0	569	331			710	U	
12	10/11/1990			127	0	0	703	277			891	U	
12	03/29/1992			85	0	0	576	284			719	U	

□

Well Block Report

Copyright 1995-01 Petroleum Information/Dwights LLC. All rights reserved.

***** 02/07/2001 16:52:09 ***** PAGE 2

Test Information

=====

PC

Well Number	Test Date	Upper Perf	Lower Perf	Gas MCFD	Liq	Wtr	***** %BSW SITP	Pressures FTP CLP	***** BHP/Z	Gas Grav Mt
12	08/08/1968			2191	0	0	1035		1320	U
12	07/23/1970			115	0	0	599	427	712	U
12	09/26/1971			87	0	0	505	401	590	U
12	07/18/1972			75	0	0	463	307	537	U
12	06/02/1973			75	0	0	402	271	462	U
12	05/17/1974			64	0	0	344	211	391	U
12	05/16/1976			57	0	0	329	172	373	U
12	07/17/1978			48	0	0	370	260	422	U
12	08/16/1980			56	0	0	359	314	409	U
12	07/24/1982			94	0	0	416	349	479	U
12	07/24/1984			127	0	0	467	360	543	U
12	11/05/1985			46	0	0	473	350	550	U
12	05/18/1988			37	0	0	423	323	488	U
12	10/11/1990			225	0	0	643	279	770	U
12	03/29/1992			105	0	0	426	284	491	U

Test Information

=====

Test Information

=====

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See instructions on
reverse side)

Form approved,
Budget Bureau No. 1004-0137
Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO.

Contract No. 150

IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Jicarilla "G" 150

WELL NO.

7

FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

SEC. T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 11, T26N, R5W
N.M.P.M.

COUNTY OR
PARISH

Rio Arriba

STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☒ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Union Texas Petroleum Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1290, Farmington, N.M. 87499

4. LOCATION OF WELL (Report location clearly and in accordance with State Requirements)

At surface 1825 FNL; 1795 FEL

At top prod. interval reported below Same as above

At total depth Same as above

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

14. PERMIT NO.

DATE ISSUED

SEP 24 1984

15. DATE SPUDDED 10/1/69 16. DATE T.D. REACHED 11/6/69 17. DATE COMPL. (Ready to prod.) 8/20/84 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7333 R.K.B. 19. ELEV. CASINGHEAD 7320

20. TOTAL DEPTH, MD & TVD 8743 MD 8449 TVD 21. PLUG, BACK T.D., MD & TVD 6838 MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* ----- 23. INTERVALS DRILLED BY ROTARY TOOLS 0-8743 CABLE TOOLS NA

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

5640 - 5770 Mesaverde (MD & TVD) Old Perforations
5996 - 6346 Mesaverde (MD & TVD) New Perforations

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

E.S. Induction, Density, Gamma-Ray Neutron, Temp., Deviation, Cement Bond No

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	32.75	480	13-3/4"	413 cu. ft.	
7-5/8"	26.40	4225	9-7/8"	First Stage Cement: 650 cu.ft.;	
Second Stage Cement: 1000 cu.ft. Stage Collar set at 2121 ft. R.K.B.					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	4091	8467	700 cu.ft.		1-1/2"E.U.E.	6316	
4"	8320	8742	40 cu.ft.				

31. PERFORATION RECORD (Interval, size and number)

1 shot per foot at the following depths:
5640-44; 5648-70; 5678-5700; 5714-40;
5744-50; 5766-70 (Total of 90-0.48" holes)
5996, 6000, 04, 41, 49, 6106, 10, 96, 6204
10, 6232, 40, 44, 66, 90, 6340, 46 (Total
of 17 - 0.35" holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5640-5770 (Old)	80,000# sand and 61,850 gal. water
5996-6346 (New)	1700 gal. 15% HCl, 70,000 lb. of 20-40 sand, and 59,000 gallons of slick water

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
8/23/84		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/21/84	3	3/4"	→		173		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
102	491	→		1380			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented - To Be Sold

TEST WITNESSED BY

Bruce Voiles

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Kenneth E. Roddy
Kenneth E. Roddy

TITLE

Area Production Supt.

DATE

OCT 9 1984
9/21/84

FARMINGTON RESOURCE AREA
823

*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

OPERATOR

Well Block Report

Copyright 1995-01 Petroleum Information/Dwights LLC. All rights reserved.
 ***** 02/07/2001 17:04:18 ***** PAGE 1

*** Well Header ***
 (ROCKY MOUNTAIN - HISTORICAL WELL)

GVT ID: 30039202730000 State: NEW MEXICO County: RIO ARBA
 UWI: 30039202730000
 Oper: SOUTHERN UNION PROD Oper Code: 037511
 Well: 7 Lease: JICARILLA G
 Province: SAN JUAN BASIN Prov Code: 580
 Field: BASIN Field Code: 002700
 Prop Source Code: PETROLEUM INFORMATION/DWIGHTS
 Meridian: NEW MEXICO 1855 Meridian Code: 23
 Twp: 26.0N Rng: 5.0W Sec: 11.0 Spot: NE SW NE
 Footages: 1825FNL 1795FEL CONGRESS SECTION
 Source: GINAD27 Lat: 36.50359 Long: -107.32468
 Contr: PICO DRLG CO LTD Tools: ROTARY Rig Nbr:
 Oper Elev: 7333KB Rig Ht: Rig Release:
 Drlr Depth: 8743 FT TVD: Form @ TD: DAKOTA
 Log TD: PB Depth: 8740 FT Form Age @ TD: CRETACEOUS
 Old TD: Proj Depth: 8475 FT Proj Form: DAKOTA
 Spud Date: 10/01/1969 Date Well Added: 09/01/1972 Abnd Date:
 Comp Date: 12/19/1969 Last Update: 12/01/1998 TD Reached:
 Final Status: 2GAS Pool:
 Initial Well Class: DEVELOPMENT WELL
 Final Well Class: DEVELOPMENT WELL-GAS
 Prod Formation: DAKOTA MESAVERDE

Test Information

=====

Well Test Upper Lower Gas Liq Wtr ***** Pressures ***** Gas
 Number Date Perf Perf MCFD %BSW SITP FTP CLP BHP/Z Grav Mt

007 11/17/1969 1526 0 0 2123 2841 U
 007 08/29/1970 635 0 0 1396 570 1838 U
 007 06/18/1971 128 0 0 1098 431 1422 U
 007 08/18/1972 132 0 0 531 323 659 U
 007 04/26/1975 46 0 0 804 253 1021 U
 007 04/17/1977 64 0 0 820 220 1042 U
 007 09/25/1981 50 0 0 642 281 805 U
 007 07/25/1983 0 0 0 280 340 U

Test Information

=====

Well Test Upper Lower Gas Liq Wtr ***** Pressures ***** Gas
 Number Date Perf Perf MCFD %BSW SITP FTP CLP BHP/Z Grav Mt

7 11/17/1969 2760 0 0 1030 1324 U
 7 02/26/1970 1069 0 0 873 553 1102 U
 7 07/02/1971 769 0 0 729 428 903 U
 7 06/18/1972 635 0 0 666 405 819 U
 7 05/17/1973 540 0 0 614 340 750 U

Well Block Report

Copyright 1995-01 Petroleum Information/Dwights LLC. All rights reserved.

***** 02/07/2001 17:04:18 ***** PAGE 2

mw

7	06/17/1974	493	0	0	557	273	675	U
7	05/17/1976	425	0	0	498	215	599	U
7	05/18/1978	305	0	0	521	254	629	U
7	01/01/1981	411	0	0	534	277	645	U
7	05/02/1982	274	0	0	502	318	604	U
7	10/31/1984	381	0	0	638	275	781	U
7	05/29/1985	176	0	0	544	370	659	U
7	04/23/1986	76	0	0	568	404	690	U
7	11/20/1989	450	0	0	597	310	727	U
7	07/30/1991	416	0	0	592	277	721	U
7	04/29/1993	201	0	0	399	186	474	U

Test Information

=====

Test Information

=====

Mesa Verde offset well

AI Number	Meter Number	Well	Formation	Sample Date	Test Pressure	Test Temperature	Wet BTU Factor (BTU/GF at 14.73)	Dry BTU Factor (BTU/GF at 14.73)	Mol % H2	Mol % He	Mol % N2	Mol % O2
3590101	37145	JICARILLA 150.7 (MV)	MV	19980501	14.73	60	1205.667	1227	0	0	0.34	0
3590101	37145	JICARILLA 150.7 (MV)	MV	19970501	14.73	60	1181.102	1202	0	0	0.26	0
3590101	37145	JICARILLA 150.7 (MV)	MV	19960601	14.73	60	1155.554	1176	0	0	0.36	0

Mol % H2S	Mol % CO2	Mol % C1	Mol % C2	Mol % C3	Mol % C4	Mol % NC4	Mol % C5	Mol % NC5	Mol % C6	Mol % C7	Field Measured Specific Gravity	Calculated Specific Gravity
0	1.08	83.44	7.78	3.71	0.72	1.02	0.41	0.3	0	0	0	0.712
0	1	83.59	8.43	3.94	0.73	1.02	0.36	0.28	0	0	0	0.694
0	1.04	85.6	7.15	3.37	0.64	0.84	0.31	0.22	0	0	0	0.679