

DATE 2/13/01	3/5/01	ENGINEER DC	LOGGED IN MW	TYPE DHC	APP NO. 104650481
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ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**

- Engineering Bureau -

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



*2/12/01*

**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]

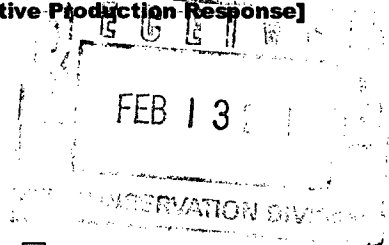
[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[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

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator <b>SOUTHERN UNION PRODUCTION COMPANY</b>			Lease <b>JICARILLA 153</b>		Well No. <b>10</b>
Unit Letter <b>I</b>	Section <b>26</b>	Township <b>26 NORTH</b>	Range <b>5 WEST</b>	County <b>RIO ARriba COUNTY</b>	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span><b>1850</b> feet from the <b>SOUTH</b> line and</span> <span><b>790</b> feet from the <b>EAST</b> line</span> </div>					
Ground Level Elev <b>6627.9</b>	Producing Formation <b>GALLUP</b>	Pool <b>EAPACTED GALLUP ASSOCIATED EST.</b>		Dedicated Acreage: <b>8/2</b>	<b>320</b> 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 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.

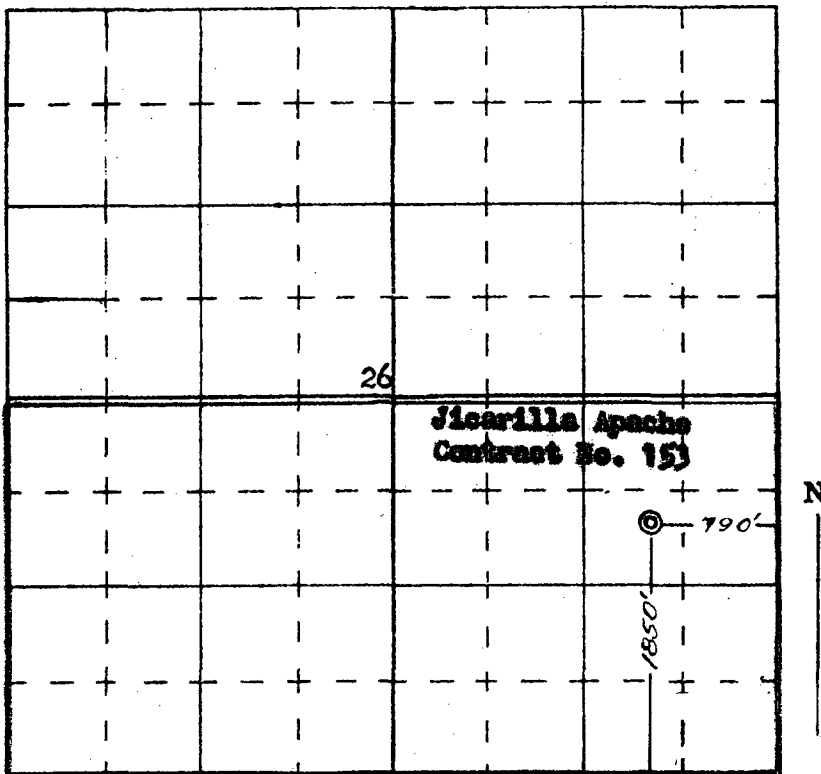
**CERTIFICATION**

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

Name  
**Gilbert D. Holand, Jr.**  
 Position  
**Drilling Superintendent**  
 Company  
**Southern Union Production Co.**  
 Date  
**October 13, 1967**

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.

**4 August 1967**  
 Date Surveyed  
 Registered Professional Engineer  
 and/or Land Surveyor  
 Certificate No. **1563**



SCALE—4 INCHES EQUALS 1 MILE

**SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.**

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 3401 East 30<sup>th</sup> Street, Farmington, New Mexico  
Operator Address

Jicarilla 153 10 I-26-026N-005W Rio Arriba  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 14538 Property Code 16579 API No. 30-039-20062 Lease Type: Federal X State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blanco Mesaverde	Tapacito Gallup	Basin Dakota
Pool Code	72319	58090	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	Will be supplied upon completion	6719'-6725'	7252'-7480'
Method of Production (Flowing or Artificial Lift)	New Zone	Flowing	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 – 469 psi Original – 1209 psi (see attachment)	Current – 720 psi Original – 2911 psi (see attachment)	Current – 731 psi Original – 2959 psi (see attachment)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1227	BTU 1196	BTU 1196
Producing, Shut-In or New Zone	New Zone	Producing	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: N/A Rates:	Date: December 2000 Rates: 0 MCPFD	Date: December 2000 Rates: 78 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 TITLE Production Engineer DATE 2-9-01  
nco  
TYPE OR PRINT NAME Randy Buckley TELEPHONE NO. (505) 326-9700

# NEW MEXICO OIL CONSERVATION COMMISSION

## WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator <b>SOUTHERN UNION PRODUCTION COMPANY</b>			Lease <b>JICARILLA #31 153</b>		Well No. <b>10</b>
Unit Letter <b>I</b>	Section <b>26</b>	Township <b>26 NORTH</b>	Range <b>5 WEST</b>	County <b>RIO ARriba COUNTY</b>	
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Ground Level Elev <b>6627.0</b>	Producing Formation <b>GALLUP</b>	Pool <b>TAPACITO GALLUP ASSOCIATED EIT.</b>		Dedicated Acreage <b>8/2 320</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
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( ) Yes ( ) No If answer is "yes," type of consolidation .....

If answer is "no," list the owners and tract descriptions which have actually 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

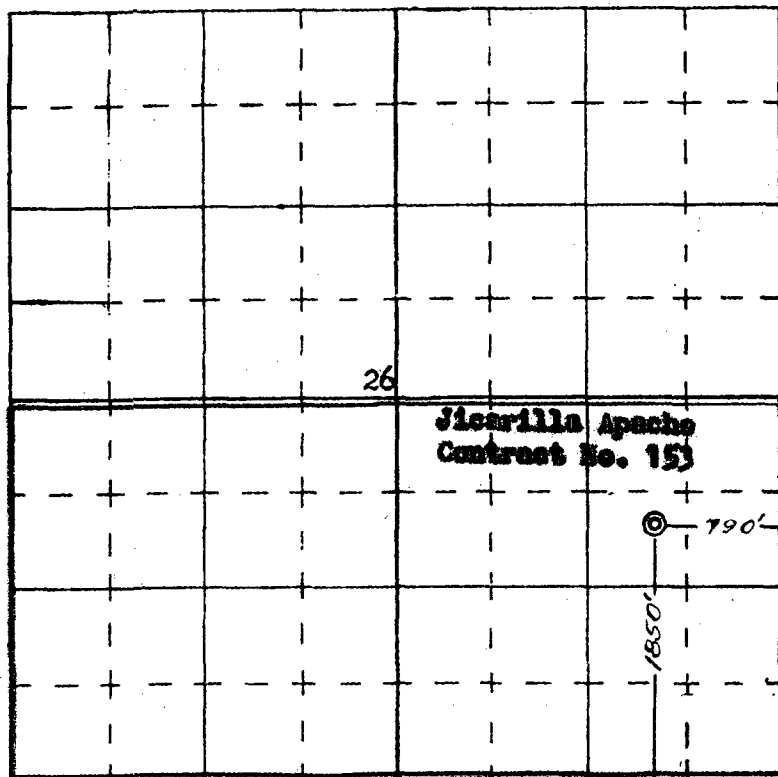
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Name  
**Gilbert D. Noland, Jr.**  
Position  
**Drilling Superintendent**  
Company  
**Southern Union Production Co.**  
Date  
**October 13, 1967**

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.

**4 August 1967**  
Date Surveyed  
Registered Professional Engineer  
and/or Land Surveyor

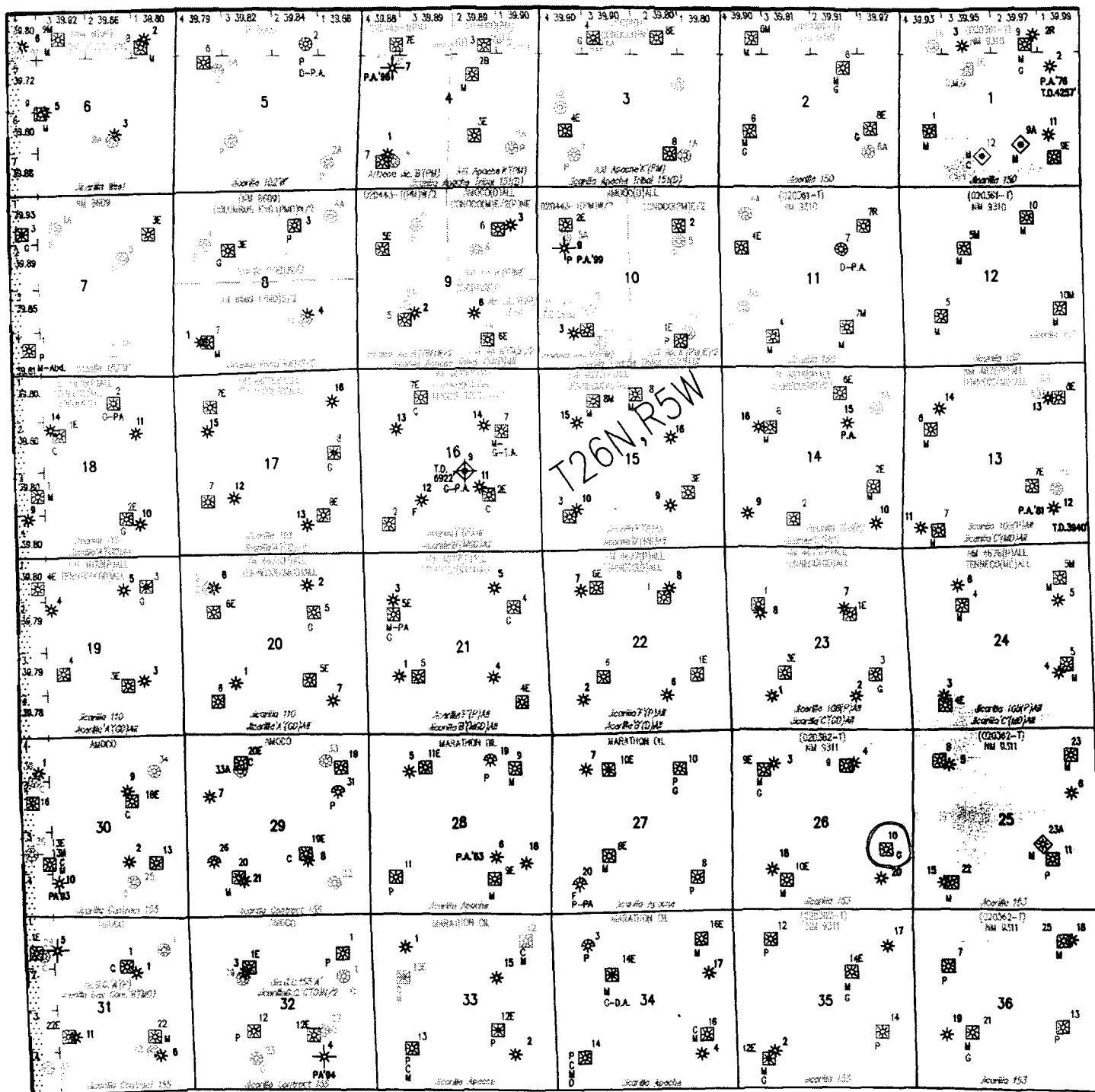
Certificate No. **1263**



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

JICARILLA 153 #10  
26-026N-005W-I

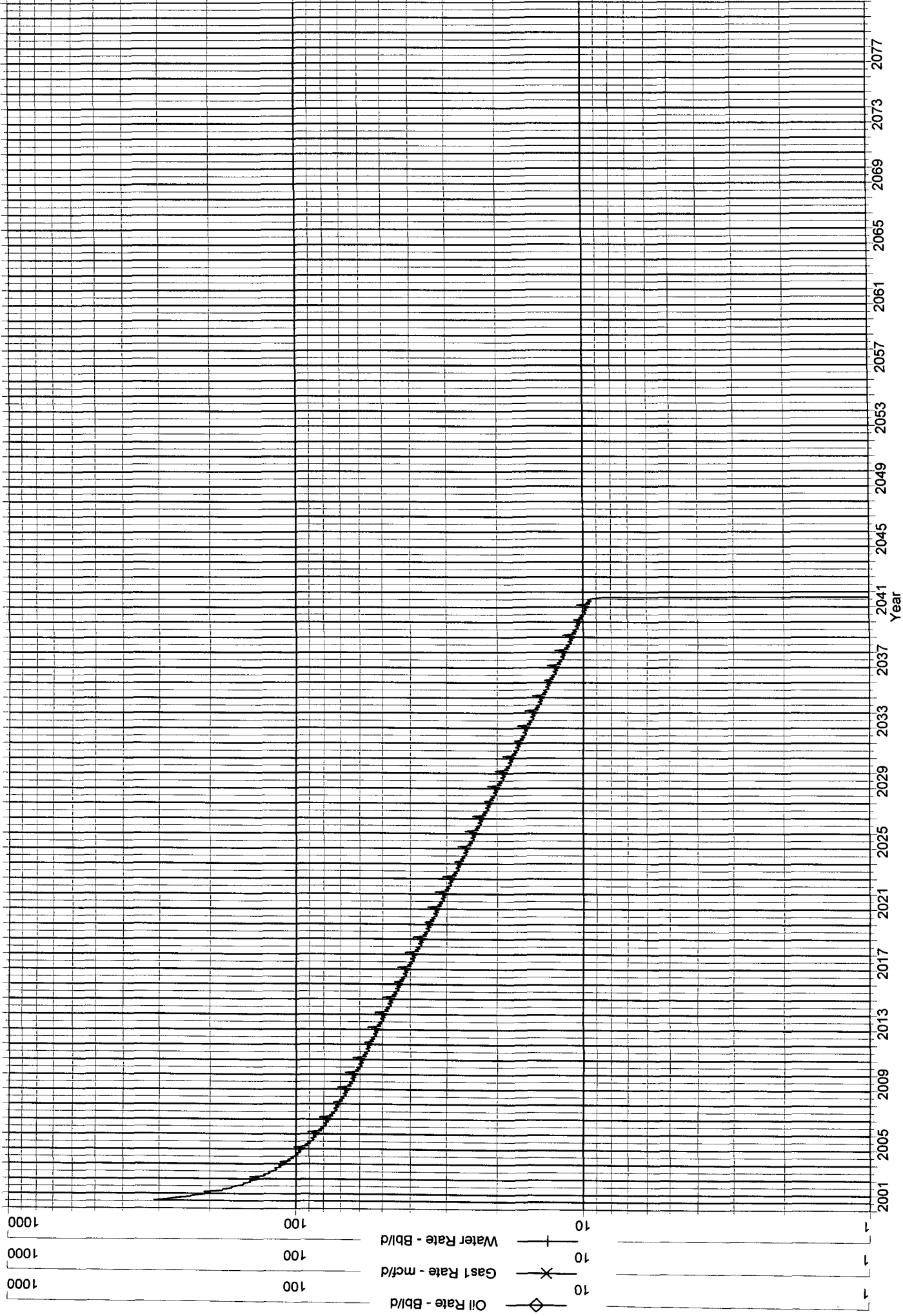


{1F5A8B29-FDEC-11D4-9983-0090274E6782} Data: Feb.2001-Feb.2001

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 #10**  
 Bottom Hole Pressures  
 Flowing and Static BHP  
 Cullender and Smith Method  
 Version 1.0 3/13/94

<b>MESAVERDE</b>		<b>TAPACITO GALLUP</b>	
<u><b>MV-Current</b></u>		<u><b>GL-Current</b></u>	
GAS GRAVITY	0.712	GAS GRAVITY	0.689
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.34	%N2	0.402
%CO2	1.08	%CO2	0.836
%H2S	0	%H2S	0
DIAMETER (IN)	1.25	DIAMETER (IN)	1.25
DEPTH (FT)	6171	DEPTH (FT)	6722
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	122	BOTTOMHOLE TEMPERATURE (DEG F)	127
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	399	SURFACE PRESSURE (PSIA)	604
BOTTOMHOLE PRESSURE (PSIA)	469.0	BOTTOMHOLE PRESSURE (PSIA)	720.0
<u><b>MV-Original</b></u>		<u><b>GL-Original</b></u>	
GAS GRAVITY	0.679	GAS GRAVITY	0.6713
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.36	%N2	0.322
%CO2	1.04	%CO2	0.635
%H2S	0	%H2S	0
DIAMETER (IN)	1.25	DIAMETER (IN)	1.25
DEPTH (FT)	5705	DEPTH (FT)	6722
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	117	BOTTOMHOLE TEMPERATURE (DEG F)	127
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1030	SURFACE PRESSURE (PSIA)	2383
BOTTOMHOLE PRESSURE (PSIA)	1208.5	BOTTOMHOLE PRESSURE (PSIA)	2911.3

**JICARILLA 153 #10**  
Bottom Hole Pressures  
Flowing and Static BHP  
Cullender and Smith Method  
Version 1.0 3/13/94

<b>DAKOTA</b>			
<u><b>DK-Current</b></u>		<u><b>Current</b></u>	
GAS GRAVITY	0.689	GAS GRAVITY	0
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.402	%N2	0
%CO2	0.836	%CO2	0
%H2S	0	%H2S	0
DIAMETER (IN)	1.25	DIAMETER (IN)	0
DEPTH (FT)	7366	DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	134	BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	604	SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	731.2	BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!
<u><b>DK-Original</b></u>		<u><b>Original</b></u>	
GAS GRAVITY	0.6713	GAS GRAVITY	0
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.322	%N2	0
%CO2	0.635	%CO2	0
%H2S	0	%H2S	0
DIAMETER (IN)	1.25	DIAMETER (IN)	0
DEPTH (FT)	7366	DEPTH (FT)	0
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	0
BOTTOMHOLE TEMPERATURE (DEG F)	134	BOTTOMHOLE TEMPERATURE (DEG F)	0
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2383	SURFACE PRESSURE (PSIA)	0
BOTTOMHOLE PRESSURE (PSIA)	2959.4	BOTTOMHOLE PRESSURE (PSIA)	#DIV/0!



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. <b>Contract #153</b>			
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Jicarilla Apache</b>			
2. NAME OF OPERATOR <b>Southern Union Production Company</b>		7. UNIT AGREEMENT NAME			
3. ADDRESS OF OPERATOR <b>P. O. Box 808, Farmington, New Mexico 87401</b>		8. FARM OR LEASE NAME <b>Jicarilla #153</b>			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <b>1850 ft. from the South line &amp; 790 ft. from the East line.</b> At top prod. interval reported below <b>Same as above.</b> At total depth <b>Same as above.</b>		9. WELL NO. <b>10</b>			
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT <b>Basin Dakota</b>			
DATE ISSUED		11. SEC. T. R. M. OR BLOCK AND SURVEY <b>Sec. 26, T-26N, R-5W, N.M.P.M.</b>			
15. DATE SPUDDED <b>8/10/67</b>		12. COUNTY OR PARISH <b>Rio Arriba New Mexico</b>			
16. DATE T.D. REACHED <b>8/28/67</b>		13. STATE			
17. DATE COMPL. (Ready to prod.) <b>9/19/67</b>		14. ELEVATIONS (DF, REB, RT, SR, ETC.) <b>6627 ft. R.K.B.</b>			
18. ELEV. CASING HEAD <b>4415 ft.</b>		19. ELEV. CASING HEAD			
20. TOTAL DEPTH, MD & TVD <b>7517 MD &amp; TVD</b>		21. PLUG BACK T.D., MD & TVD <b>7486 ft. MD &amp; TVD</b>			
22. IF MULTIPLE COMPL., HOW MANY? <b>2</b>		23. INTERVALS DRILLED BY <b>0-7517</b>			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <b>6719-6725 Gallup MD &amp; TVD</b> <b>7252-7480 Dakota MD &amp; TVD</b>		25. WAS DIRECTIONAL SURVEY MADE <b>NO</b>			
26. TYPE ELECTRIC AND OTHER LOGS RUN <b>E.S. Induction, Density, Gamma-Ray Correlation, Cement bond log.</b>		27. WAS WELL CORDED <b>NO</b>			
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
8-5/8"		24.0#		309 ft.	
5-1/2"		15.5		7514 ft.	
HOLE SIZE					
12-1/4"					
7-7/8"					
CEMENTING RECORD					
250 sacks.					
1st stage cemented w/540 cu. ft. cement.					
Stage Celler set at 5472 ft. Cemented w/600 cu. ft. of cement; Stage Celler set at 3253 ft. Cemented w/1350 cu. ft. of cement.					
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
SACKS CEMENT*		SCREEN (MD)		DEPTH SET (MD)	
1-1/2" EUE		7258 ft.		7095 ft. (Dakota)	
1-1/2" I.J.		6723		Gallup	
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
1-1/2" EUE		7258 ft.		7095 ft. (Dakota)	
1-1/2" I.J.		6723		Gallup	
31. PERFORATION RECORD (Interval, size and number)					
Gallup Perfs: 2 shots/ft. 6719-6725.					
Dakota perfs: 1 shot/ft. 7252-7270, 7280-7290, 7382-7400, 7416-7424, 1/ft. 7424-7426, 1/ft. 7426-7436, 7468-7480					
Hole Size = 0.48"					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
7252-7290		Sand from 10,000# sand, 1,000# glass beads & 50,000 gal. 20.8% KC			
7382-7480		Water, frac 60,000# sand, 1,000# beads; 74,730 gal. water, frac.			
6719-6725		15,000# sand & 30,210 gal water.			
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			
10/2/67		3/4" N			
10/9/67		3/4" N			
HOURS TESTED		CHECK SIZE		PROD'N. FOR TEST PERIOD	
3		3/4" N		OIL—BBL. 477	
308		Packer		GAS—MCF. 215	
135		686		Dakota	
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
308		Packer		OIL—BBL. 3,821	
135		686		GAS—MCF. 1,721	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		WELL STATUS (Producing or shut-in)			
Vented		Shut-in			
35. LIST OF ATTACHMENTS		TEST WITNESSED BY			
		Kenneth H. Hodge			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.					
SIGNED		TITLE		DATE	
Gilbert D. Noland, Jr.		Drilling Superintendent		October 13, 1967	
Gilbert D. Noland, Jr.					

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



## Gas Analysis Information

Name JICARILLA 153 10 37107

Analysis Name

K Analysis: 1:1

## Analysis

Effective Date 08/13/2000

Sample Date 08/01/2000

Pressure Base BTU 14.7300

Wet/Dry Dry

Heat Content 1.19600000

Specific Gravity 0.689

Coefficient Factor 0.0000

Calculation Type

☒ Enter Percentages☐ Enter GPM

Related To

O2% 0.00000

Hexane Plus GPM 0.0079

C9% 0.00000

Hydrogen (H2)

MOL Fraction 0.00000 MOL Count 0.0000

Helium (He)

0.00000 0.0000

Nitrogen (N2)

0.00402 0.0000

Carbon Dioxide (CO2)

0.00836 0.0000

Hydrogen Sulphide (H2S)

0.00000 0.0000

Methane (C1)

0.83375 0.0000

Ethane (C2)

0.09531 0.0000

Propane (C3)

0.03639 0.0000

Isobutane (IB4)

0.00557 0.0000

Butane

0.00873 0.0000

Isopentane (IP5)

0.00000 0.0000

Pentane (P5)

0.00000 0.0000

Hexane (C6)

0.00787 0.0000

Heptane (C7)

0.00000 0.0000

Final Totals Total 1.0000 0.00000

K 08/13/2000 3:3

Sec. 26-T26N-R5W

GAS ANALYSIS: TRANSCRIPTION OF TAPE FROM AUTOMATIC CHROMATOGRAPH

NAME/LOCATION:

STREAM NO. 5

TE:

7

29

81

6.0

STATION NO.

710730

SPECIFIC GRAVITY 0.6713

BTU/CF 14.73/60F/DRY: 1177.2

COMPONENT	MOL %	G.P.M.
CARBON DIOXIDE	0.635	0.0000
NITROGEN	0.322	0.0000
METHANE	84.310	0.0000
ETHANE	9.910	2.6500
PROPANE	2.990	0.8220
ISOBUTANE	0.478	0.1560
N-BUTANE	0.672	0.2110
ISOPENTANE	0.255	0.0930
N-PENTANE	0.169	0.0610
HEXANE +	0.286	0.1260

TOTAL 100.027 4.1190

(ECBTU/074)

## Well Block Report

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\*\*\*\*\* 02/07/2001 16:50:27 \*\*\*\*\* PAGE 1

## \*\*\* Well Header \*\*\*

(ROCKY MOUNTAIN - HISTORICAL WELL)

GVT ID: 30039200620000 State: NEW MEXICO County: RIO ARBA  
 UWI: 30039200620000  
 Oper: SOUTHERN UNION PROD Oper Code: 037511  
 Well: 10 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: 26.0 Spot: NE SE  
 Footages: 1850FSL 790FEL CONGRESS SECTION  
 Source: GINAD27 Lat: 36.45541 Long: -107.32141

Contr: ARAPAHOE DRILLING Tools: ROTARY Rig Nbr:  
 Oper Elev: 6627GR Rig Ht: Rig Release:

Drlr Depth: 7517 FT TVD: Form @ TD: DAKOTA  
 Log TD: PB Depth: 7480 FT Form Age @ TD: CRETACEOUS  
 Old TD: Proj Depth: 7600 FT Proj Form: DAKOTA

Spud Date: 08/10/1967 Date Well Added: 09/01/1972 Abnd Date:  
 Comp Date: 10/09/1967 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 TOCITO

## Test Information

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## Test Information

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Well Number	Test Date	Upper Perf	Lower Perf	Gas MCFD	Liq	Wtr	%BSW	SITP	FTP	CLP	BHP/Z	Gas Grav Mt
10	09/19/1967			3821	0	0		2383			3322	U
10	06/20/1970			571	0	0		756	494		969	U
10	04/18/1971			236	0	0		1063	382		1411	U
10	05/18/1972			339	0	0		1001	354		1321	U
10	06/02/1973			370	0	0		777	297		998	U
10	05/02/1975			206	0	0		646	211		817	U
10	05/02/1977			191	0	0		606	227		764	U
10	12/24/1979			197	0	0		580	197		728	U
10	05/16/1981			78	0	0		689	436		877	U
10	03/31/1983			196	0	0		659	263		835	U
10	11/05/1985			171	0	0		734	376		939	U
10	06/15/1988			172	0	0		526	260		657	U
10	10/11/1990			389	0	0		809	280		1044	U
10	04/01/1992			289	0	0		604	295		761	U

□

## Well Block Report

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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

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. RESER. ☐ 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 any 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 \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.

Contract No. 150

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla "6" 150

9. WELL NO.

7

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

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

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

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

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 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

No

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)
5-1/2"	4091	8467	700 cu.ft.	
4"	8320	8742	40 cu.ft.	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1-1/2"E.U.E.	6316	

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 8/23/84 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) 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

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 02 1984  
9/21/84

\*(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

FARMINGTON RESOURCE AREA  
8913

ACCEPTED FOR RECORD

## Well Block Report

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## \*\*\* 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

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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

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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

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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

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Test Information

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Mesa Verde offset well

AI Number	Meier 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
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	19960801	14.73	60	1155.554	1176	0	0	0.36	0

Mol % H2S	Mol % CO2	Mol % C1	Mol % C2	Mol % C3	Mol % iC4	Mol % nC4	Mol % iC5	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	0.38	0.28	0.41	0	0	0.694
0	1.04	85.6	7.15	3.37	0.64	0.84	0.31	0.22	0.47	0	0	0.679