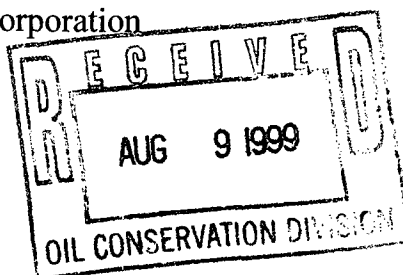


DHC 8/30/99



Bonneville Fuels Corporation



August 5, 1999

Oil Conservation Division
Department of Natural Resources
State of New Mexico
Attn.: Mr. David Catenach: Examiner
2040 South Pacheco
Santa Fe, New Mexico 87505-6429

Dear Mr. Catenach:

The Bonneville Fuels Corporation is seeking to commingle production downhole from the Canyon Fm. (Undesignated Pool: 9,657'-9,703') and the Strawn Fm. (Avalon Pool: 9,850'-10,102') in the wellbore of the:

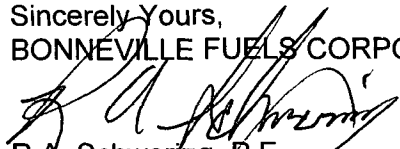
Witt Federal "30" - #1
Unit 'G', 1650' FNL & 1650' FEL, Section 30
T.21S., R.26E., NMPM, Eddy County, New Mexico.

Attached you will find the following information supporting this application:

- | | |
|-----------------------------------|--|
| 1. Form C-107: | Application for Downhole Commingling. |
| 2. Affidavit of Mailing: | Notification of off-set operators. |
| 3. Affidavit & Statement of Fact: | Allocation Methodology
Summary of Marginal Well Determination
Cross-Flow Statement
Notification List of Off-Set Operators
Notification of Federal Government |
| 4. Form C-102 | Canyon Fm.: Undesignated Pool |
| 5. Form C-102: | Strawn Fm.: Avalon Pool |
| 6. Projected Well Performance: | Strawn Fm. Only:
Volumetrics: Recover 164 MMCF of 320 MMCF in 20 Acres.
Economics: Negative 8% ROR on completion AFE.
Monthly Production Estimate. |
| 7. Projected Well Performance: | Strawn Fm. and Canyon Fm. Commingled:
Volumetrics: Recover 327 MMCF of 425 MMCF in 20 Acres.
Economics: Positive 8% ROR on completion AFE.
Negative 8% ROR on Strawn/Canyon Total
Completion costs & Total Well Costs.
Monthly Production Estimate. |
| 8. Marked Test: | DST #1: Lower Strawn Fm. |
| 9. Commingled Build-Up: | Canyon/Strawn Commingled Build-Up after completion. |
| 10. Commingled Build-Up Analysis: | Canyon/Strawn Commingled Build-Up after completion. |
| 11. Log Analysis/Calculations: | Canyon and Strawn Fm. Log Analysis
Canyon and Strawn Fm. Logs: Marked in Completed Intervals. |
| 12. Copy of Sundry Notice | Sundry Notice to BLM: Notification of Commingle Application. |

Please call me at (303) 376-2564 if you need any additional information or if I can be of further assistance. I am sending a complete copy of this application to Mr. Gumm and Mr. Arrandt at the Artesia office. BFC desires a speedy resolution of this matter.

Sincerely Yours,
BONNEVILLE FUELS CORPORATION


R.A. Schwering, P.E.
Operations Manager: SE NM

Cc: Files
NMOCD @ Artesia
BLM @ Roswell
Devon Energy
Hallwood Petroleum
Mewbourne Oil

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:

Administrative Hearing

EXISTING WELLBORE

X YES NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator BONNEVILLE FUELS CORPORATION 1660 Lincoln Street, Ste 2200 Denver, CO 80264
Witt Federal 30 #1 G 30 21S 26E Eddy
Well No. Unit ID: 585-100-1000
OGRID NO. 002678 Property Code 24109 API NO. 30-015-30547 Federal X State (and/or) Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	Undesignated Canyon		Avalon Strawn 71080
2. Top and Bottom of Pay Section (Perforations)	9657'-9703'		9850'-10102'
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	a. (Current) b. (Original) Confirmed by Build-Up. Pi= 4090# (Est. Gradient)	a. b.	a. b. Pi=4300#(DST#1)
6. Oil Gravity (°API) or Gas BTU Content	1065 BTU (est.)		1175 BTU (est.)
7. Producing or Shut-In?	Shut In Wait on Pipeline		Shut In Wait on Pipeline
Production Marginal? (yes or no) • If Shut-In, give 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 • If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Yes: FTP =16# Requires Compressor Date: 7/30/99 Rates: Gas = 50 MCF/D Oil = 0 Water = 0 Date: Rates:	Combined Test: Date: 7/30/99 Rates: Gas = 180 MCFD Oil= 1 BCPD (est.). Water= 5 BWPD (load). Date: Rates:	Yes: FTP=8# Requires a Compressor Date: 6/22/99-7/12/99 Rates: Gas = 130 MCF/D Oil = 1 BC/D Water=5 B/d Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 28 %	Oil: % Gas: %	Oil: 100 % Gas: 72 %

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. AFFIDAVIT ATTACHED.

10. Are all working, overriding, and royalty interests identical in all commingled zones? X 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 X 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? 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(C) Exceptions: ORDER NO(S).

16. ATTACHMENTS: AFFIDAVIT AND 2 form C-102's ATTACHED.
• 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 R. A. Schwering TITLE Operations Manager DATE 8/3/99

TYPE OR PRINT NAME R. A. Schwering P.E. TELEPHONE NO. (303) 863-1555 x213

EX-11317-#1
UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.

NMNM84B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Witt Federal 30 #1

9. API Well No.

3001530547

10. Field and Pool, or Exploratory Area

Avalon Strawn/Undes. Canyon

11. County or Parish, State

Eddy County, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Bonneville Fuels Corporation

3a. Address

1660 Lincoln Street, Denver, CO 80264

3b. Phone No. (include area code)

303 863-1555 x 213

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1650' FNL 1650' FEL Sec 30, T21S, R26E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent	☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair ☐ New Construction ☐ Recomplete ☒ Other Downhole
	☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon ☐ Commingle
	☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Bonneville Fuels has applied to downhole commingle the above referenced well. Attached find copies of NMOCD application and support data. Bonneville will notify you upon approval and commencement of commingling of the Strawn Fm & Canyon Fm zones.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

R. A. Schwering, P.E.

Title

Operations Manager SE NM

Signature

Date

August 5, 1999

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on reverse)

EXHIBIT #2

AFFIDAVIT OF MAILING

STATE OF COLORADO

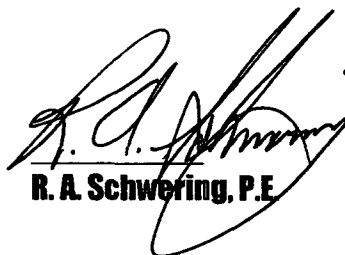
CITY & COUNTY OF DENVER

I, R. A. Schwering, P.E., a Petroleum Engineer employed by Bonneville Fuels Corporation, being first duly sworn, deposes and says:

An Affidavit and Statement of Fact pertaining to the Witt Federal "30" #1 Well located 1650' FNL & 1650' FEL, Unit "G", Section 30, Township 21 South – Range 26 East, NMPM, Eddy County, New Mexico was deposited on August 4, 1999 in the U. S. Mail for delivery, as certified mail, to each of the following named parties at the addresses shown below:

- 1. Hallwood Petroleum
4610 S. Ulster Street, Suite 200
Denver, CO 80237**
- 2. Mewbourne Oil Company
3901 S. Braodway
P. O. Box 7698
Tyler, TX 75711**
- 3. Devon Energy Corporation
20 N. Broadway, Suite 1500
Oklahoma City, OK 73102**

Affiant Further Sayeth Not.


R. A. Schwering, P.E.

SUBSCRIBED AND SWORN TO BEFORE ME, IN MY PRESENCE, THIS 5th day of August, 1999, a Notary Public in and for the State of Colorado.


Deborah A. Geary

My Commission Expires: 9/30/2000.

AFFIDAVIT AND STATEMENT OF FACT:

WITT FEDERAL "30" - #1 Well
1650' FNL & 1650' FEL, Unit 'G', Section 30,
T.21S., R.26E., NMPM, Eddy County, New Mexico

DATA SUPPORTING DOWN-HOLE COMMINGLING APPLICATION:

Canyon Fm. (9,657' - 9,703') and Strawn Fm. (9,850' - 10,102').

A. DATA AND METHODOLOGY SUPPORTING PROPOSED PRODUCTION ALLOCATION:

- An extended Strawn Fm. flow test was undertaken: 6/22/99 to 7/12/99:
The average flowing tubing pressure (FTP) was: FTP= 8 PSIG on a 1/2" choke to the atmosphere.
The average flow rates were: **Strawn Gas Rate: 130 MCFD (calculated from choke tables).**
Strawn Oil Rate: 1 BCPD (estimated from area experience).
Strawn Water Rate: 5 BWPD (recovering frac load).
- The decision was then made to perforate and acidize the Canyon Fm. to augment marginally economic production from the Strawn Fm. After the Canyon Fm. was perforated and acidized a combined interval flow test was undertaken. The average flowing tubing pressure was: FTP=16 PSIG on a 1/2" choke to atmosphere.
The average combined zone flow rates were: Gas Rate: 180 MCFD (calculated from choke tables).
Oil Rate: 1 BCPD (est. from area experience).
Water Rate: 5 BWPD (recovering Strawn frac load).
- Therefore, **BY SUBTRACTION**, the flow rate contribution of the Canyon Fm. zone is as follows:
Canyon Gas Rate: 50 MCFD (28% of flow).
Canyon Oil Rate: 0 BCPD (0% of flow).
Canyon Water Rate: 0 BWPD (0% of flow).

B. DATA SUPPORTING MARGINAL WELL DETERMINATION:

- The line pressure (nearest gas line is GPM in NW of Section 30) is 600 PSIG.
The Strawn Fm. (FTP=8 PSIG) would have required compression to produce to sales.
The commingled Strawn & Canyon Fms. (FTP=16 PSIG) will require compression to produce to sales.

2. EXPECTED PERFORMANCE BASED ON PRODUCTION TESTING:

	STRAWN ONLY:	STRAWN/CANYON COMMINGLED:
8% ROR: Complete Only:	-\$7,868	\$41,350
Reserve Recovery:	164 MMCFG	327 MMCFG
Abandonment Pressure:	1950 PSIA	975 PSIA
Reserve Recovery:	50.77% of 320 MMCFG	76.67% of 425 MMCFG
8% ROR: Total Well Cost:		-\$1,183,649
ECONOMICS, VOLUMETRICS, AND LOGS/ANALYSIS ATTACHED.		

- The combined zone permeability to gas and oil is approx. .0044 millidarcy (0.3135 md.-ft.) after stimulation (see attached analysis of Build-Up #1).

C. CROSS-FLOW STATEMENT:

- The Strawn Fm. BHP (Lower Strawn Fm.: DST #1: attached) was projected to be 4,300 PSIG @ 10,100'.
The Canyon Fm. BHP was projected to be 4,090 PSIG on the basis of a common BHP gradient w/ Strawn Fm.
The P* for the commingled Build-Up (analysis attached) indicates 4097 PSIA @ 10,100' and confirms that the Canyon gradient estimate is correct. The common BHP gradient occurs in these two adjacent zones due to:
Distance from production in the Upper Penn series (more than 1 mile),
Extremely tight nature of these rocks in the vicinity of this well (approx. .0044 millidarcy)
The adjacent Lime/Sand/Shale sequences in the Cisco Fm./Canyon Fm./Strawn Fm. Upper Penn sequence is between isolating massive over-pressured shales in the Atoka Fm. (below Strawn Fm.) and Wolfcamp Fm. (above Cisco/Canyon Fms.).
- Cross-flow will not occur because the flowing BHP will be approx. 510 PSIG relative to the reservoir BHP's identified above and a common BHP gradient will continue between zones if they are produced simultaneously.

D. NOTIFICATION LIST OF OFF-SET OPERATORS:

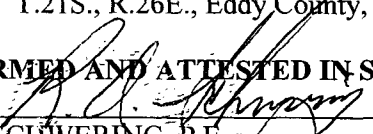
Section 19:	ALL: 640 ac. Unit:	Hallwood Petroleum.
Section 30:	W 1/2: 320 ac.:	Mewbourne Oil Company.
Section 31:	ALL: 640 ac.:	Mewbourne Oil Company.
Section 29:	NW 1/4: 160 ac.:	Bonneville Fuels Corporation (applicant).
Section 29:	SW 1/4: 160 ac.:	Devon Energy Corporation.
Section 20:	W 1/2: 320 ac.:	Devon Energy Corporation.

ALL OFF-SET OPERATORS HAVE BEEN NOTIFIED ON 8/5/99 OF BFC INTENT TO COMMINGLE PRODUCTION OF STRAWN FM. AND CANYON FM. IN THIS WELLBORE.

E. NOTIFICATION OF FEDERAL GOVERNMENT (LESSOR):

The Bureau of Land Management has been notified of BFC's intention to commingle production in this well by Sundry Notice (copy attached) on 8/5/99. The BLM is the Lessor of Record for the E 1/2 of Section 30, T.21S., R.26E., Eddy County, New Mexico.

AFFIRMED AND ATTESTED IN SUPPORT OF THIS COMMINGLING APPLICATION:


R. A. SCHWERING, P.E.
Operations Manager: SE NM:


Date: 8/5/99
Bonneville Fuels Corporation

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

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DP, Artesia, NM 88211-0719

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-30547	Pool Code	Pool Name Undesignated Canyon
Property Code 24109	Property Name WITT FEDERAL S.C. 30	Well Number 1
OGRIID No. 002678	Operator Name BONNEVILLE FUELS CORPORATION	Elevation 3579'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	30	21 S	26 E		1650	NORTH	1650	EAST	EDDY

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
Dedicated Acres 320 ac.	Joint or Infill	Consolidation Code	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

LOT 1 40.80 AC.	LOT 5 41.20 AC.		OPERATOR CERTIFICATION I hereby certify the information contained herein is true and complete to the best of my knowledge and belief. <i>R.A. Schreiner, P.E.</i> Signature R.A. Schreiner Printed Name Operations Manager Title 8/3/99 Date
LOT 2 40.82 AC.	LOT 4 41.44 AC.		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. OCTOBER 2, 1998 Date Surveyed <i>Ronald J. Edson</i> Signature & Seal Professional Surveyor NEW MEXICO 98-11-1325 Certificate No. RONALD J. EDSON 3239 12641
LOT 3 40.74 AC.	Acreage Dedication In Hachures All in Fed. Lease NM 8740		
LOT 4 40.86 AC.			

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

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

EXHIBIT #5
State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-30547	Pool Code 71080	Pool Name Avalon Strawn
Property Code 24109	Property Name WITT FEDERAL "30"	Well Number 1
OGRD No. 02678	Operator Name BONNEVILLE FUELS CORPORATION	Elevation 3579'

Surface Location

UL or lot No. G	Section 30	Township 21 S	Range 26 E	Lot Idn	Feet from the 1650	North/South line NORTH	Feet from the 1650	East/West line EAST	County EDDY
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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
Dedicated Acres 320 ac.	Joint or Infill	Consolidation Code	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

LOT 1 40.80 AC.	LOT 5 41.20 AC.	
LOT 2 40.82 AC.	LOT 6 41.44 AC.	
Acreage Dedication In Hachures All in Fed. Lease NM84B		
LOT 3 40.74 AC.		
LOT 4 40.86 AC.		

OPERATOR CERTIFICATION

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

Signature

Printed Name
R.A. Schwering, P.E.

Title
Operations Manager

Date
8/3/99

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.

OCTOBER 2, 1998

Date Surveyed
Signature

CDG

Professional Surveyor
NEW MEXICO
10/12/98
98-11-1321

Certificate No. RONALD J. EDSON 3239
GARY EDSON 12641

Field Name:

Operator:

BFC

Rate/Time Graph

Well Name: Witt "30" Federal (1)

County, ST:

Location: 0-0-0

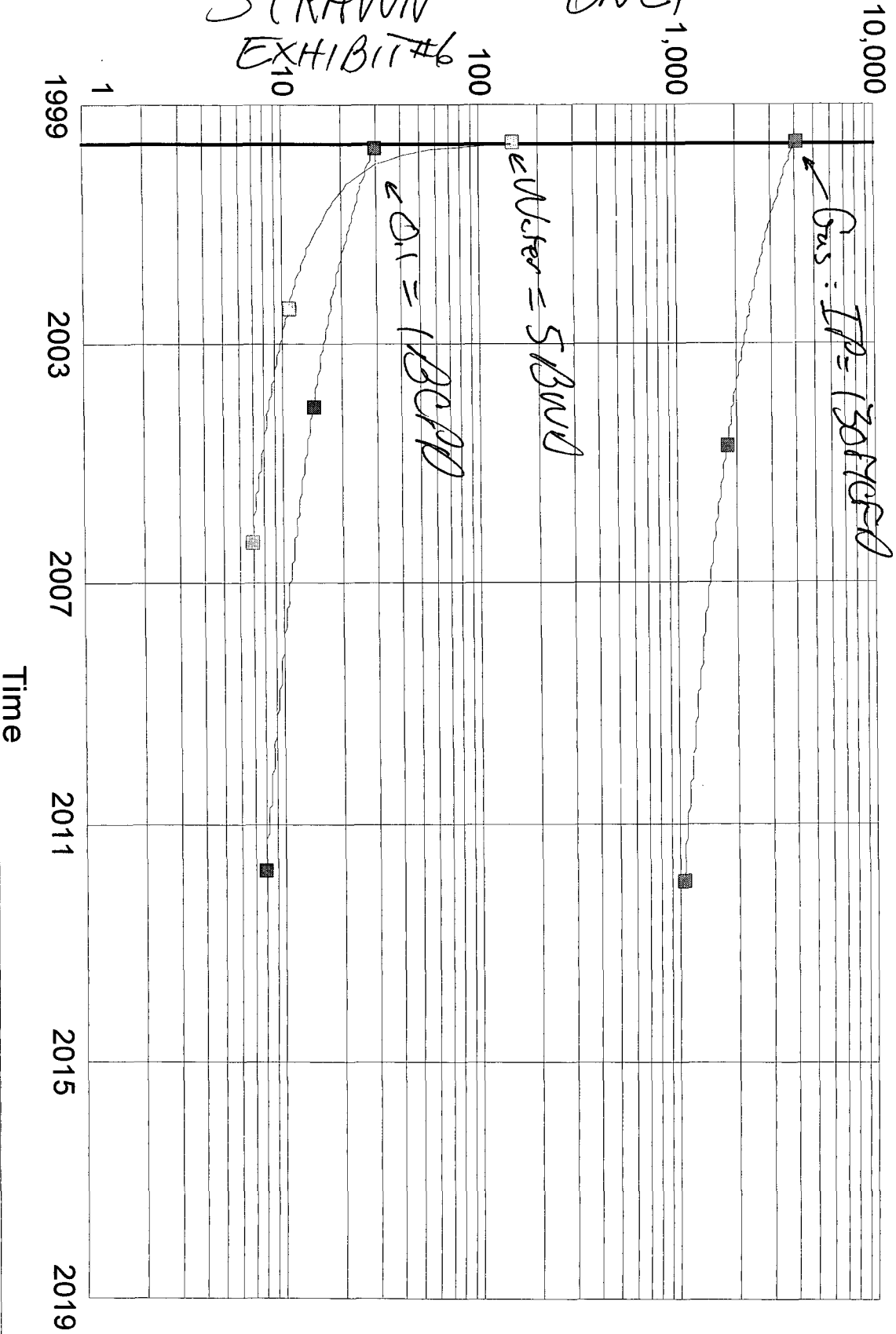
Strawn Only

7 Pages

PROTECTED WELL PERFORMANCE

STRAWN Rate ONLY
EXHIBIT #6

Witt "30" Federal -



Date: 8/4/1999

Time: 5:12 PM

Annual CashFlow Report

Project: S:\VHS Energy\ptproj\witt1.MDB

Lease Name: Witt "30" Federal (1)
 County, ST: ,
 Location: 0-0-0

Field Name:
 Operator: BFC

Date	Well Count	Gross Production		Net Production		Average Prices		Sales Total (\$)
		Oil (Bbl)	Gas (Mcf)	Oil (Bbl)	Gas (Mcf)	Oil (\$/Bbl)	Gas (\$/Mcf)	
12/99	1	85	15,255	68	12,204	16.00	2.35	29,767
12/00	1	295	39,345	236	31,476	16.00	2.35	77,738
12/01	1	243	32,527	194	26,022	16.00	2.35	64,258
12/02	1	208	27,863	166	22,290	16.00	2.35	55,040
12/03	1	182	24,454	146	19,564	16.00	2.35	48,306
12/04	1	163	21,845	130	17,476	16.00	2.35	43,153
02/05	1	26	3,428	20	2,742	16.00	2.35	6,772
Grand Total:		1,200	164,718	960	131,774	16.00	2.35	325,035

Date	Operating Expenses (\$)	Taxes (\$)	Operating Income (\$)	Other Costs (\$)	Periodic Cash Flow (\$)	Cumulative Cash Flow (\$)	10.00 % Cash Flow (\$)
12/99	14,006	3,754	12,008	122,500	-110,492	-110,492	-110,728
12/00	40,080	9,799	27,860	0	27,860	-82,633	25,729
12/01	38,291	8,099	17,867	0	17,867	-64,765	15,003
12/02	37,093	6,938	11,010	0	11,010	-53,756	8,409
12/03	36,223	6,089	5,994	0	5,994	-47,761	4,169
12/04	35,559	5,439	2,155	0	2,155	-45,606	1,371
02/05	5,872	854	46	-15,000	15,046	-30,560	8,908
Grand Total:	207,124	40,971	76,940	107,500	-30,560	-30,560	-47,140

Discount Present Worth:

8.00 %	-44,368
10.00 %	-47,140
20.00 %	-58,197
30.00 %	-66,006
40.00 %	-71,783
50.00 %	-76,222
60.00 %	-79,737
70.00 %	-82,594
80.00 %	-84,964
90.00 %	-86,965
100.00 %	-88,679

Economic Dates:

Effective Date	09/1999
Calculated Limit	02/2005
Economic Life	66 Months
	5 Years 6 Months

Economics Information:

Net Payout Date:	03/2005
Rate of Return:	n/a
Return on Investment:	0.72
Initial Division of Interest:	

Economics Summary:

	Bbl Oil	Mcf Gas
Ultimate Gross	1,200	164,718
Cumulative Gross	0	0
Remaining Gross	1,200	164,718
Remaining Net	960	131,774

WI:	100.000000	Oil:	80.000000	NRI	0.000000
		Gas:	80.000000	ORI	0.000000
Reversion Date:	None	Injection:	0.000000		0.000000

Completion + Facilities/Equip (w/AFE)
 Strawn Only

Input Listing

Project: S:\VHS Energy\ptproj\witt1.MDB

Lease Header:

Lease Id: 000-001-
 Data Source: Project
 Lease Name: Witt "30" Federal (1)
 Field Name:
 Operator: BFC
 County, ST:
 Reservoir:
 Lease Status: GAS
 Lease Type: Gas Lease
 Reserve Type: Gas
 Production Start:
 Production End:
 Lease API: 30--01-5-30547
 Formation Top: 0
 Upper Perf: 0
 Lower Perf: 0
 Prior Oil Cum: 0 bbl
 Prior Gas Cum: 0 mcf
 Prior Water Cum: 0 bbl
 Prior Injection Cum: 0 bbl
 Quarter Quarter:
 Offshore Block:
 Location: 0-0-0
 Latitude: TDG Latitude
 Longitude: TDG Longitude
 User Data 1:
 User Data 2:
 User Data 3:
 User Data 4:
 User Data 5:
 User Data 6:

Project Parameters:

Economic Effective Date: 09/1999

Escalate Economics: No

Cases:

Curve: Default
 Price: Default
 Expense: Default
 Tax: NM
 Investment: Default
 Interest: Default
 Well Count: Default
 Volumetric: Default

Well Counts:

Well Count	Start Date
1	09/1999

Division of Interest:

Initial WI: 100.000000

Reversion Type: None
 Reversion Value: None
 Reversion Date: None

	NRI	Burden	ORI
Oil:	80.000000	0.000000	0.000000
Gas:	80.000000	0.000000	0.000000
Injection:	0.000000	0.000000	0.000000

Prices:

	Price	BTU Content or Price Factor	Price Adjustment	Escalation Name
Oil:	16.00		0.0000	None
Gas:	2.00	1.1750	0.0000	None
Injection:	0.00	1.0000	0.0000	None

Expenses:

Amount
 Dollars/Month: *Operate* = 1250.00
 Dollars/Well/Month: *Compress* = 1250.00
 Dollars/Bbl Oil: 0.00
 Dollars/Mcf Gas: *Gather* = 0.25
 Dollars/Bbl Wtr: *Dispose* = 1.00
 Dollars/Bbl Injection: 0.00

Taxes:

Escalation Name	Percent of Revenue	Dollars per Unit
Severance Tax		
Oil:	7.0900	0.0000 / Bbl
Gas:	7.5400	0.0000 / Mcf
Inj:	0.0000	0.0000 / Bbl
Ad Valorem Tax		
Oil:	5.5000	0.0000 / Bbl
Gas:	5.5000	0.0000 / Mcf
Inj:	0.0000	0.0000 / Bbl

Investments:

	Amount	Type	Salvage
Initial:	122500.00	Gross	15000.00

Input Listing

Project: S:\IHS Energy\ptproj\witt1.MDB

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Forecasts:

Curve	Type	Date	Rate	Decline	N Factor
Oil Segment 01	Hyperbolic	10/1999 - 11/2011	1 BOPD => 29	23.6894	1.229376
Gas Segment 01	Hyperbolic	09/1999 - 01/2012	130 MCF => 3,981	23.5339	1.194104
Water Segment 01	Hyperbolic	09/1999 - 05/2006	5 BW => 148	100.0000	2.004300

Volumetrics Report

Date: 8/4/1999

Time: 5:10 PM

Project: S:\IHS Energy\lptproj\witt1.MDB

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Lease Name: Witt "30" Federal
Lease Number: 1
Field Name:
Operator: BFC
County, ST: ,
Reservoir:
Lease Status: GAS
Lease Type: Gas Lease
Reserve Type: Gas
Production Start:
User Data 1:
User Data 2:
User Data 3:
User Data 4:
User Data 5:
User Data 6:

Strawn Only

General Volumetrics:

Water Saturation: 44.20 % = *Sw*
Porosity: 5.10 % = *Ø*
Drainage Acres: 20 acres = *A*
Zone Net Pay: 52.0 feet = *h*
Zone Temperature: 180.0 F
Zone Pressure: 4300 psia
Zone Depth: 10100 feet
Surface Temperature: 60.0 F

Gas Volumetrics:

Specific Gravity: 0.675
Condensate: No
N2 Content: 1.00 %
CO2 Content: 0.50 %
H2S Content: 0.00 %
Abandonment Pressure: 1950 psia = *P_a*
Yield: 1.0000 bbl / mcf

Volumetric Calculations:

Zi: 0.9402
Gas In Place: 326,988 mcf
Ultimate Gas: 166,009 mcf
Cumulative Gas: 0 mcf
Remaining Gas: 166,009 mcf
Oil In Place: 326,988 bbl
Ultimate Oil: 166,009 bbl
Cumulative Oil: 0 bbl
Remaining Oil: 166,009 bbl
Drainage Radius: 527 feet
Recovery: 50.77 %

Lifetime Monthly Production Forecast Report

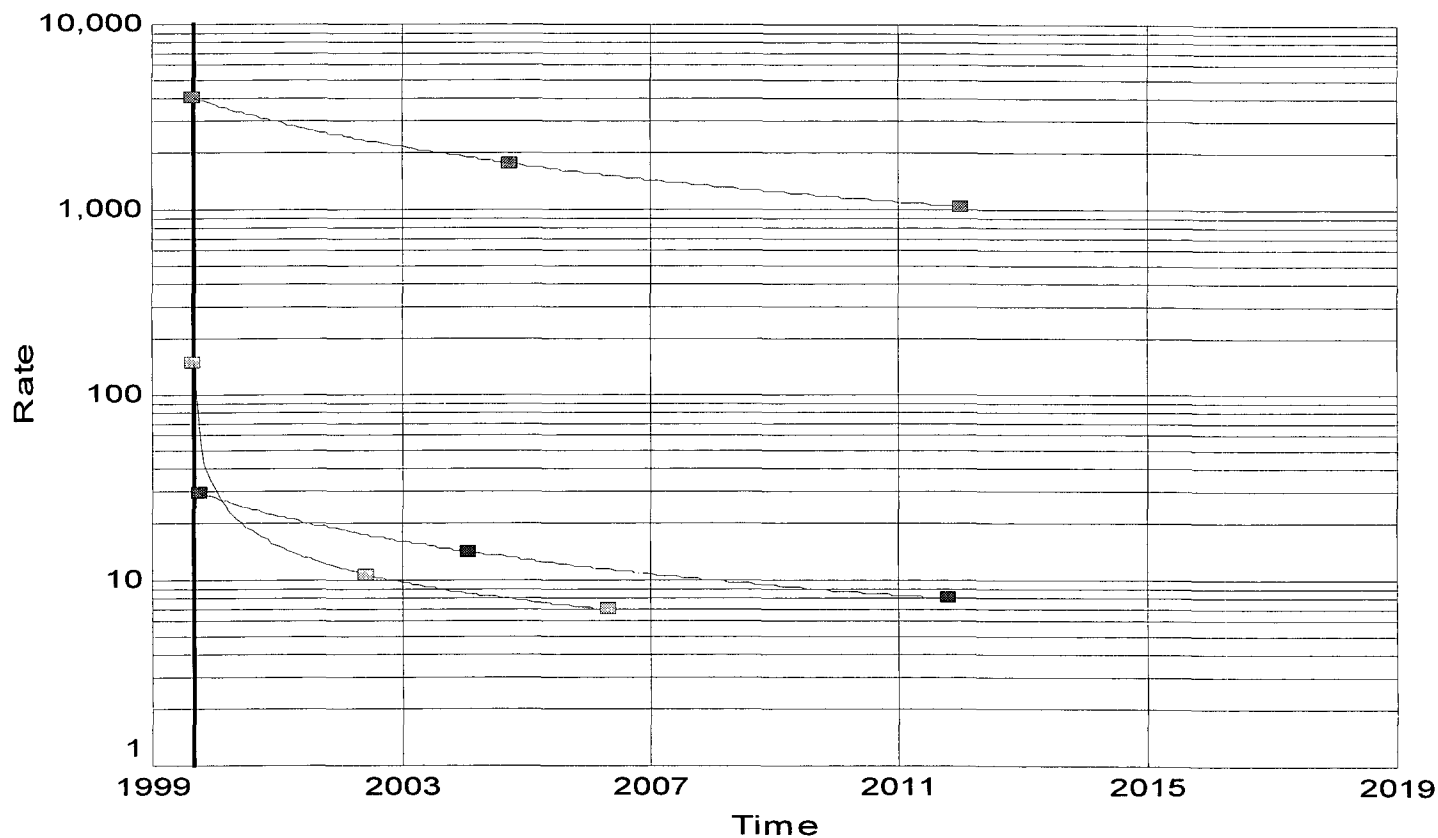
Project: S:\IHS Energy\ptproj\witt1.MDB

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Lease Name: Witt "30" Federal (1)
 County, ST: ,
 Location: 0-0-0

Field Name:
 Operator: BFC

Witt "30" Federal -



Date	Oil (bbl)	Gas (mcf)	Water (bbl)	Total Oil (bbl)	Total Gas (mcf)	Total Water (bbl)
09/1999	0	3,937	75	0	3,937	75
10/1999	29	3,852	48	29	7,789	123
11/1999	28	3,771	38	57	11,561	160
12/1999	28	3,694	32	85	15,255	192
01/2000	27	3,620	29	112	18,875	221
02/2000	27	3,549	26	139	22,425	247
03/2000	26	3,482	24	165	25,906	271
04/2000	26	3,417	22	191	29,323	293
05/2000	25	3,354	21	216	32,677	314
06/2000	25	3,294	20	240	35,972	334
07/2000	24	3,237	19	264	39,209	353
08/2000	24	3,181	18	288	42,390	371
09/2000	23	3,128	17	312	45,518	388
10/2000	23	3,076	17	335	48,594	405
11/2000	23	3,027	16	357	51,621	421
12/2000	22	2,979	16	380	54,600	436
01/2001	22	2,933	15	401	57,532	451
02/2001	22	2,888	15	423	60,420	466
03/2001	21	2,844	14	444	63,265	480
04/2001	21	2,803	14	465	66,067	494
05/2001	21	2,762	14	486	68,829	508
06/2001	20	2,723	13	506	71,552	521

Lifetime Monthly Production Forecast Report

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Project: S:\IHS Energy\ptproj\witt1.MDB

Date	Oil (bbl)	Gas (mcf)	Water (bbl)	Total Oil (bbl)	Total Gas (mcf)	Total Water (bbl)
07/2001	20	2,685	13	526	74,237	534
08/2001	20	2,648	13	546	76,884	547
09/2001	19	2,612	12	565	79,496	559
10/2001	19	2,577	12	585	82,073	571
11/2001	19	2,543	12	604	84,617	583
12/2001	19	2,510	12	622	87,127	595
01/2002	18	2,479	12	641	89,606	607
02/2002	18	2,448	11	659	92,053	618
03/2002	18	2,417	11	677	94,470	629
04/2002	18	2,388	11	695	96,858	640
05/2002	18	2,359	11	712	99,218	651
06/2002	17	2,331	11	730	101,549	662
07/2002	17	2,304	10	747	103,853	672
08/2002	17	2,278	10	764	106,131	682
09/2002	17	2,252	10	781	108,383	693
10/2002	17	2,227	10	797	110,610	703
11/2002	16	2,202	10	814	112,812	713
12/2002	16	2,178	10	830	114,990	722
01/2003	16	2,155	10	846	117,145	732
02/2003	16	2,132	10	862	119,277	742
03/2003	16	2,110	9	878	121,386	751
04/2003	16	2,088	9	893	123,474	760
05/2003	15	2,066	9	908	125,540	770
06/2003	15	2,045	9	924	127,586	779
07/2003	15	2,025	9	939	129,611	788
08/2003	15	2,005	9	954	131,616	797
09/2003	15	1,985	9	969	133,601	806
10/2003	15	1,966	9	983	135,568	814
11/2003	15	1,948	9	998	137,515	823
12/2003	14	1,929	9	1,012	139,444	832
01/2004	14	1,911	9	1,026	141,356	840
02/2004	14	1,894	8	1,040	143,249	849
03/2004	14	1,876	8	1,054	145,126	857
04/2004	14	1,859	8	1,068	146,985	865
05/2004	14	1,843	8	1,082	148,828	874
06/2004	14	1,827	8	1,096	150,655	882
07/2004	13	1,811	8	1,109	152,465	890
08/2004	13	1,795	8	1,122	154,261	898
09/2004	13	1,780	8	1,136	156,040	906
10/2004	13	1,765	8	1,149	157,805	914
11/2004	13	1,750	8	1,162	159,555	921
12/2004	13	1,735	8	1,175	161,290	929
01/2005	13	1,721	8	1,188	163,011	937
02/2005	13	1,707	8	1,200	164,718	944
Total:	1,200	164,718	944			

Rate/Time Graph

Project: S:\IHS Energy\ptproj\witt1.MDB

Date: 8/4/1999
Time: 5:26 PM

Lease Name:

Witt "30" Federal (1)

Field Name:

Operator:

BFC

County, ST:

0-0-0

Location:

Commingled Strawn Canyon

Witt "30" Federal -

10,000

1,000

100

10

1

1999

2003

2007

2011

2015

2019

CANYON STRAWN Rate

EXHIBIT #17

COMMINGLED

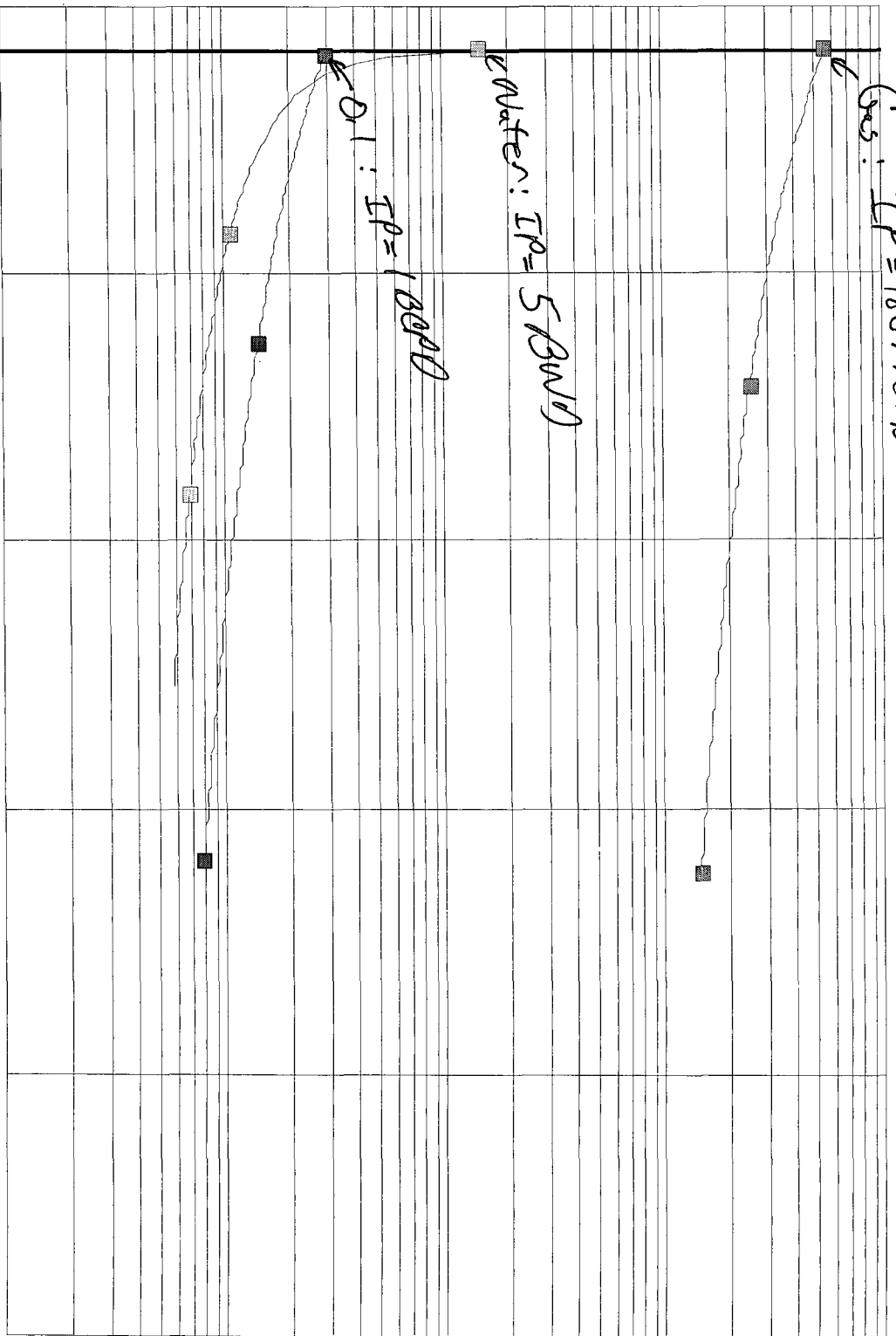
10 Pages

Gas: IP = 180 Mcf/D

Water: IP = 5 Bbl/D

0.1: IP = 1 Bbl/D

Time



Annual CashFlow Report

Project: S:\HS Energy\ptproj\witt1.MDB

Lease Name: Witt "30" Federal (1)
 County, ST: ,
 Location: 0-0-0

Field Name:
 Operator: BFC

Date	Well Count	Gross Production		Net Production		Average Prices		Sales Total (\$)
		Oil (Bbl)	Gas (Mcf)	Oil (Bbl)	Gas (Mcf)	Oil (\$/Bbl)	Gas (\$/Mcf)	
12/99	1	85	21,324	68	17,059	16.00	2.35	41,177
12/00	1	295	54,998	236	43,998	16.00	2.35	107,165
12/01	1	243	45,467	194	36,374	16.00	2.35	88,585
12/02	1	208	38,948	166	31,158	16.00	2.35	75,880
12/03	1	182	34,183	146	27,347	16.00	2.35	66,596
12/04	1	163	30,536	130	24,429	16.00	2.35	59,492
12/05	1	147	27,647	118	22,118	16.00	2.35	53,864
12/06	1	135	25,298	108	20,238	16.00	2.35	49,288
12/07	1	125	23,346	100	18,677	16.00	2.35	45,487
12/08	1	116	21,697	93	17,358	16.00	2.35	42,276
02/09	1	19	3,473	15	2,779	16.00	2.35	6,768
Grand Total:		1,717	326,918	1,373	261,534	16.00	2.35	636,579

Date	Operating Expenses (\$)	Taxes (\$)	Operating Income (\$)	Other Costs (\$)	Periodic Cash Flow (\$)	Cumulative Cash Flow (\$)	10.00 % Cash Flow (\$)
12/99	15,523	5,194	20,459	122,500	-102,041	-102,041	-102,440
12/00	43,993	13,514	49,658	0	49,658	-52,382	45,824
12/01	41,526	11,171	35,889	0	35,889	-16,494	30,100
12/02	39,864	9,569	26,447	0	26,447	9,953	20,163
12/03	38,655	8,398	19,543	0	19,543	29,496	13,546
12/04	37,731	7,502	14,258	0	14,258	43,754	8,986
12/05	37,000	6,793	10,072	0	10,072	53,826	5,772
12/06	36,406	6,215	6,666	0	6,666	60,492	3,476
12/07	35,913	5,736	3,838	0	3,838	64,330	1,822
12/08	35,496	5,331	1,448	0	1,448	65,779	629
02/09	5,880	853	34	-15,000	15,034	80,813	6,079
Grand Total:	367,989	80,277	188,313	107,500	80,813	80,813	33,959

Discount Present Worth:

8.00 %	41,350
10.00 %	33,959
20.00 %	6,088
30.00 %	-12,209
40.00 %	-25,119
50.00 %	-34,727
60.00 %	-42,172
70.00 %	-48,122
80.00 %	-52,995
90.00 %	-57,067
100.00 %	-60,524

Economic Dates:

Effective Date	09/1999
Calculated Limit	02/2009
Economic Life	114 Months
	9 Years 6 Months

Economics Information:

Net Payout Date:	08/2002
Rate of Return:	22.92 %
Return on Investment:	1.75
Initial Division of Interest:	

Economics Summary:

	Bbl Oil	Mcf Gas
Ultimate Gross	1,717	326,918
Cumulative Gross	0	0
Remaining Gross	1,717	326,918
Remaining Net	1,373	261,534

	WI:	Oil:	NRI	ORI
	100.000000	80.000000		0.000000
		Gas:	80.000000	0.000000
		Injection:	0.000000	0.000000

Reversion Date: None

Complete E Facilities/Equip
 Canyon/Strawna Commingbe

Date: 8/4/1999

Time: 5:30 PM

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Annual CashFlow Report

Project: S:\IHS Energy\ptproj\witt1.MDB

Lease Name: Witt "30" Federal (1)
 County, ST: ,
 Location: 0-0-0

Field Name:
 Operator: BFC

Date	Well Count	Gross Production		Net Production		Average Prices		Sales Total (\$)
		Oil (Bbl)	Gas (Mcf)	Oil (Bbl)	Gas (Mcf)	Oil (\$/Bbl)	Gas (\$/Mcf)	
12/99	1	85	21,324	68	17,059	16.00	2.35	41,177
12/00	1	295	54,998	236	43,998	16.00	2.35	107,165
12/01	1	243	45,467	194	36,374	16.00	2.35	88,585
12/02	1	208	38,948	166	31,158	16.00	2.35	75,880
12/03	1	182	34,183	146	27,347	16.00	2.35	66,596
12/04	1	163	30,536	130	24,429	16.00	2.35	59,492
12/05	1	147	27,647	118	22,118	16.00	2.35	53,864
12/06	1	135	25,298	108	20,238	16.00	2.35	49,288
12/07	1	125	23,346	100	18,677	16.00	2.35	45,487
12/08	1	116	21,697	93	17,358	16.00	2.35	42,276
02/09	1	19	3,473	15	2,779	16.00	2.35	6,768
Grand Total:		1,717	326,918	1,373	261,534	16.00	2.35	636,579

Date	Operating Expenses (\$)	Taxes (\$)	Operating Income (\$)	Other Costs (\$)	Periodic Cash Flow (\$)	Cumulative Cash Flow (\$)	10.00 % Cash Flow (\$)
12/99	15,523	5,194	20,459	247,500	-227,041	-227,041	-227,440
12/00	43,993	13,514	49,658	0	49,658	-177,382	45,824
12/01	41,526	11,171	35,889	0	35,889	-141,494	30,100
12/02	39,864	9,569	26,447	0	26,447	-115,047	20,163
12/03	38,655	8,398	19,543	0	19,543	-95,504	13,546
12/04	37,731	7,502	14,258	0	14,258	-81,246	8,986
12/05	37,000	6,793	10,072	0	10,072	-71,174	5,772
12/06	36,406	6,215	6,666	0	6,666	-64,508	3,476
12/07	35,913	5,736	3,838	0	3,838	-60,670	1,822
12/08	35,496	5,331	1,448	0	1,448	-59,221	629
02/09	5,880	853	34	-15,000	15,034	-44,187	6,079
Grand Total:	367,989	80,277	188,313	232,500	-44,187	-44,187	-91,041

Discount Present Worth:

8.00 %	-83,650
10.00 %	-91,041
20.00 %	-118,912
30.00 %	-137,209
40.00 %	-150,119
50.00 %	-159,727
60.00 %	-167,172
70.00 %	-173,122
80.00 %	-177,995
90.00 %	-182,067
100.00 %	-185,524

Economic Dates:

Effective Date	09/1999
Calculated Limit	02/2009
Economic Life	114 Months
	9 Years 6 Months

Economics Information:

Net Payout Date:	03/2009
Rate of Return:	n/a
Return on Investment:	0.81
Initial Division of Interest:	

Economics Summary:

	Bbl Oil	Mcf Gas
Ultimate Gross	1,717	326,918
Cumulative Gross	0	0
Remaining Gross	1,717	326,918
Remaining Net	1,373	261,534

	WI:	Oil:	Gas:	Injection:	NRI	ORI
	100.000000	80.000000	80.000000	0.000000		0.000000
						0.000000
						0.000000

Reversion Date: None

Injection: 0.000000

All Strawn/Canyon Expenditure + Equip/Facilities
 Canyon/Strawn Commingle

Annual CashFlow Report

Project: S:\VHS Energy\ptproj\witt1.MDB

Lease Name: Witt "30" Federal (1)
 County, ST: ,
 Location: 0-0-0

Field Name:
 Operator: BFC

Date	Well Count	Gross Production		Net Production		Average Prices		Sales Total (\$)
		Oil (Bbl)	Gas (Mcf)	Oil (Bbl)	Gas (Mcf)	Oil (\$/Bbl)	Gas (\$/Mcf)	
12/99	1	85	21,324	68	17,059	16.00	2.35	41,177
12/00	1	295	54,998	236	43,998	16.00	2.35	107,165
12/01	1	243	45,467	194	36,374	16.00	2.35	88,585
12/02	1	208	38,948	166	31,158	16.00	2.35	75,880
12/03	1	182	34,183	146	27,347	16.00	2.35	66,596
12/04	1	163	30,536	130	24,429	16.00	2.35	59,492
12/05	1	147	27,647	118	22,118	16.00	2.35	53,864
12/06	1	135	25,298	108	20,238	16.00	2.35	49,288
12/07	1	125	23,346	100	18,677	16.00	2.35	45,487
12/08	1	116	21,697	93	17,358	16.00	2.35	42,276
02/09	1	19	3,473	15	2,779	16.00	2.35	6,768
Grand Total:		1,717	326,918	1,373	261,534	16.00	2.35	636,579

Date	Operating Expenses (\$)	Taxes (\$)	Operating Income (\$)	Other Costs (\$)	Periodic Cash Flow (\$)	Cumulative Cash Flow (\$)	10.00 % Cash Flow (\$)
12/99	15,523	5,194	20,459	1,347,500	-1,327,041	-1,327,041	-1,327,440
12/00	43,993	13,514	49,658	0	49,658	-1,277,383	45,824
12/01	41,526	11,171	35,889	0	35,889	-1,241,494	30,100
12/02	39,864	9,569	26,447	0	26,447	-1,215,047	20,163
12/03	38,655	8,398	19,543	0	19,543	-1,195,504	13,546
12/04	37,731	7,502	14,258	0	14,258	-1,181,246	8,986
12/05	37,000	6,793	10,072	0	10,072	-1,171,174	5,772
12/06	36,406	6,215	6,666	0	6,666	-1,164,508	3,476
12/07	35,913	5,736	3,838	0	3,838	-1,160,670	1,822
12/08	35,496	5,331	1,448	0	1,448	-1,159,221	629
02/09	5,880	853	34	-15,000	15,034	-1,144,187	6,079
Grand Total:	367,989	80,277	188,313	1,332,500	-1,144,187	-1,144,187	-1,191,041

Discount Present Worth:

8.00 %	-1,183,649
10.00 %	-1,191,041
20.00 %	-1,218,912
30.00 %	-1,237,209
40.00 %	-1,250,118
50.00 %	-1,259,728
60.00 %	-1,267,172
70.00 %	-1,273,122
80.00 %	-1,277,995
90.00 %	-1,282,066
100.00 %	-1,285,525

Economic Dates:

Effective Date	09/1999
Calculated Limit	02/2009
Economic Life	114 Months
	9 Years 6 Months

Economics Information:

Net Payout Date:	03/2009
Rate of Return:	n/a
Return on Investment:	0.14
Initial Division of Interest:	

WI: 100.000000

Reversion Date: None

Economics Summary:

	Bbl Oil	Mcf Gas
Ultimate Gross	1,717	326,918
Cumulative Gross	0	0
Remaining Gross	1,717	326,918
Remaining Net	1,373	261,534

	NRI	ORI
Oil:	80.000000	0.000000
Gas:	80.000000	0.000000
Injection:	0.000000	0.000000

*All Well Expend + Facilities/Equip
 Canyon/Strawn Commingled*

Input Listing

Project: S:\VHS Energy\ptproj\witt1.MDB

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Lease Header:

Lease Id: 000-001-
 Data Source: Project
 Lease Name: Witt "30" Federal (1)
 Field Name:
 Operator: BFC
 County, ST:
 Reservoir:
 Lease Status: GAS
 Lease Type: Gas Lease
 Reserve Type: Gas
 Production Start:
 Production End:
 Lease API: 30--01-5-30547
 Formation Top: 0
 Upper Perf: 0
 Lower Perf: 0
 Prior Oil Cum: 0 bbl
 Prior Gas Cum: 0 mcf
 Prior Water Cum: 0 bbl
 Prior Injection Cum: 0 bbl
 Quarter Quarter:
 Offshore Block:
 Location: 0-0-0
 Latitude: TDG Latitude
 Longitude: TDG Longitude
 User Data 1:
 User Data 2:
 User Data 3:
 User Data 4:
 User Data 5:
 User Data 6:

Project Parameters:

Economic Effective Date: 09/1999

Escalate Economics: No

Cases:

Curve: Default
 Price: Default
 Expense: Default
 Tax: NM
 Investment: Default
 Interest: Default
 Well Count: Default
 Volumetric: Default

Well Counts:

Well Count	Start Date
1	09/1999

Division of Interest:

Initial WI: 100.000000

Reversion Type: None

Reversion Value: None

Reversion Date: None

NRI

Oil: 80.000000
 Gas: 80.000000
 Injection: 0.000000

Burden

0.000000
 0.000000
 0.000000

ORI

0.000000
 0.000000
 0.000000

Prices:

	Price	BTU Content or Price Factor	Price Adjustment	Escalation Name
Oil:	16.00		0.0000	None
Gas:	2.00	BTU = 1.1750	0.0000	None
Injection:	0.00	1.0000	0.0000	None

Expenses:

Amount
 Dollars/Month: Operate = 1250.00
 Dollars/Well/Month: Compares = 1250.00
 Dollars/Bbl Oil: 0.00
 Dollars/Mcf Gas: Gather = 0.25
 Dollars/Bbl Wtr: Dispose = 1.00
 Dollars/Bbl Injection: 0.00

Taxes:

Escalation Name	Percent of Revenue	Dollars per Unit
Severance Tax		
Oil:	7.0900	0.0000 / Bbl
Gas:	7.5400	0.0000 / Mcf
Inj:	0.0000	0.0000 / Bbl
Ad Valorem Tax		
Oil:	5.5000	0.0000 / Bbl
Gas:	5.5000	0.0000 / Mcf
Inj:	0.0000	0.0000 / Bbl

Investments:

Initial:	Amount	Type	Salvage
Last AFE = \$123,500.00	500.00	Gross	15000.00

Input Listing

Project: S:\IHS Energy\ptproj\witt1.MDB

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Forecasts:

Curve	Type	Date	Rate	Decline	N Factor
Oil Segment 01	Hyperbolic	10/1999 - 11/2011	29	23.6894	1.229376
Gas Segment 01	Hyperbolic	09/1999 - 01/2012	5,565	23.5339	1.194104
Water Segment 01	Hyperbolic	09/1999 - 05/2006	148	100.0000	2.004300

Volumetrics Report

Date: 8/4/1999

Time: 5:26 PM

Project: S:\IHS Energy\ptproj\witt1.MDB

710

Lease Name: Witt "30" Federal
Lease Number: 1
Field Name:
Operator: BFC
County, ST:
Reservoir:
Lease Status: GAS
Lease Type: Gas Lease
Reserve Type: Gas
Production Start:
User Data 1:
User Data 2:
User Data 3:
User Data 4:
User Data 5:
User Data 6:

General Volumetrics:

Water Saturation: 46.43 % = S_{wv}
Porosity: 4.99 % = ϕ
Drainage Acres: 20 acres = A
Zone Net Pay: 72.0 feet = h
Zone Temperature: 180.0 F
Zone Pressure: 4300 psia
Zone Depth: 10100 feet
Surface Temperature: 60.0 F

Gas Volumetrics:

Specific Gravity: 0.675 = ρ_g
Condensate: No
N2 Content: 1.00 %
CO2 Content: 0.50 %
H2S Content: 0.00 %
Abandonment Pressure: 975 psia = P_a
Yield: 1.0000 bbl / mcf

Volumetric Calculations:

Zi: 0.9402
Gas In Place: 424,979 mcf
Ultimate Gas: 325,816 mcf
Cumulative Gas: 0 mcf
Remaining Gas: 325,816 mcf
Oil In Place: 424,979 bbl
Ultimate Oil: 325,816 bbl
Cumulative Oil: 0 bbl
Remaining Oil: 325,816 bbl
Drainage Radius: 527 feet
Recovery: = 76.67 %

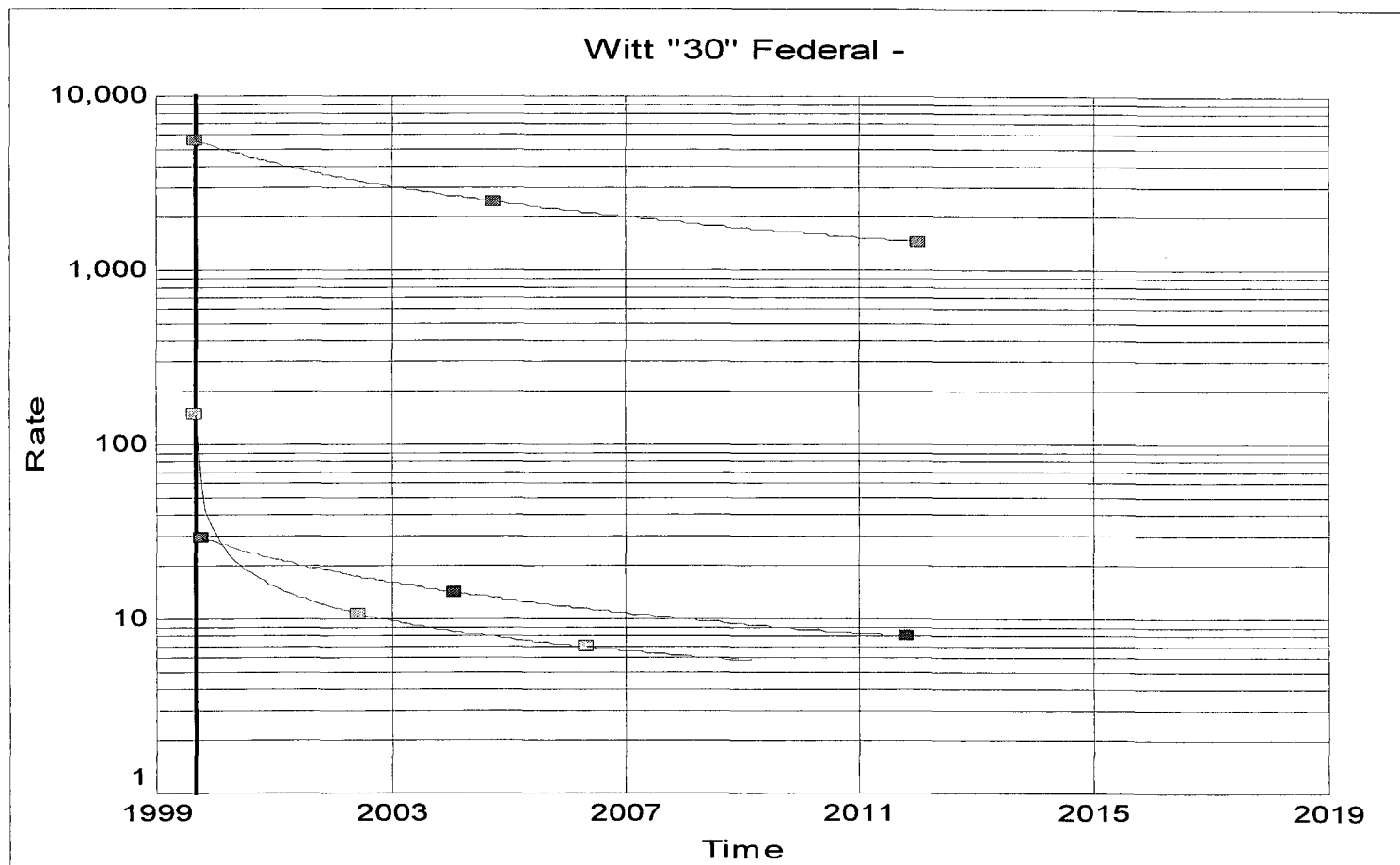
Lifetime Monthly Production Forecast Report

Project: S:\IHS Energy\ptproj\witt1.MDB

8/10

Lease Name: Witt "30" Federal (1)
 County, ST: ,
 Location: 0-0-0

Field Name:
 Operator: BFC



Date	Oil (bbl)	Gas (mcf)	Water (bbl)	Total Oil (bbl)	Total Gas (mcf)	Total Water (bbl)
09/1999	0	5,503	75	0	5,503	75
10/1999	29	5,385	48	29	10,888	123
11/1999	28	5,272	38	57	16,160	160
12/1999	28	5,164	32	85	21,324	192
01/2000	27	5,060	29	112	26,384	221
02/2000	27	4,962	26	139	31,346	247
03/2000	26	4,867	24	165	36,213	271
04/2000	26	4,776	22	191	40,989	293
05/2000	25	4,689	21	216	45,677	314
06/2000	25	4,605	20	240	50,283	334
07/2000	24	4,525	19	264	54,807	353
08/2000	24	4,447	18	288	59,254	371
09/2000	23	4,372	17	312	63,626	388
10/2000	23	4,300	17	335	67,927	405
11/2000	23	4,231	16	357	72,157	421
12/2000	22	4,164	16	380	76,321	436
01/2001	22	4,099	15	401	80,421	451
02/2001	22	4,037	15	423	84,457	466
03/2001	21	3,976	14	444	88,433	480
04/2001	21	3,918	14	465	92,351	494
05/2001	21	3,861	14	486	96,212	508
06/2001	20	3,806	13	506	100,017	521

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Lifetime Monthly Production Forecast Report

Project: S:\IHS Energy\ptproj\litt1.MDB

Date	Oil (bbl)	Gas (mcf)	Water (bbl)	Total Oil (bbl)	Total Gas (mcf)	Total Water (bbl)
07/2001	20	3,753	13	526	103,770	534
08/2001	20	3,701	13	546	107,471	547
09/2001	19	3,651	12	565	111,122	559
10/2001	19	3,602	12	585	114,724	571
11/2001	19	3,555	12	604	118,280	583
12/2001	19	3,509	12	622	121,789	595
01/2002	18	3,465	12	641	125,253	607
02/2002	18	3,421	11	659	128,675	618
03/2002	18	3,379	11	677	132,054	629
04/2002	18	3,338	11	695	135,391	640
05/2002	18	3,298	11	712	138,689	651
06/2002	17	3,259	11	730	141,948	662
07/2002	17	3,221	10	747	145,169	672
08/2002	17	3,184	10	764	148,353	682
09/2002	17	3,148	10	781	151,501	693
10/2002	17	3,113	10	797	154,614	703
11/2002	16	3,078	10	814	157,692	713
12/2002	16	3,045	10	830	160,737	722
01/2003	16	3,012	10	846	163,749	732
02/2003	16	2,980	10	862	166,729	742
03/2003	16	2,949	9	878	169,677	751
04/2003	16	2,918	9	893	172,596	760
05/2003	15	2,888	9	908	175,484	770
06/2003	15	2,859	9	924	178,343	779
07/2003	15	2,831	9	939	181,174	788
08/2003	15	2,803	9	954	183,977	797
09/2003	15	2,775	9	969	186,752	806
10/2003	15	2,749	9	983	189,501	814
11/2003	15	2,722	9	998	192,223	823
12/2003	14	2,697	9	1,012	194,920	832
01/2004	14	2,672	9	1,026	197,591	840
02/2004	14	2,647	8	1,040	200,238	849
03/2004	14	2,623	8	1,054	202,861	857
04/2004	14	2,599	8	1,068	205,461	865
05/2004	14	2,576	8	1,082	208,037	874
06/2004	14	2,553	8	1,096	210,590	882
07/2004	13	2,531	8	1,109	213,121	890
08/2004	13	2,509	8	1,122	215,630	898
09/2004	13	2,488	8	1,136	218,118	906
10/2004	13	2,467	8	1,149	220,584	914
11/2004	13	2,446	8	1,162	223,030	921
12/2004	13	2,426	8	1,175	225,456	929
01/2005	13	2,406	8	1,188	227,861	937
02/2005	13	2,386	8	1,200	230,248	944
03/2005	13	2,367	8	1,213	232,614	952
04/2005	13	2,348	8	1,226	234,962	959
05/2005	12	2,329	7	1,238	237,292	967
06/2005	12	2,311	7	1,250	239,603	974
07/2005	12	2,293	7	1,263	241,896	982
08/2005	12	2,276	7	1,275	244,172	989
09/2005	12	2,258	7	1,287	246,430	996
10/2005	12	2,241	7	1,299	248,671	1,003
11/2005	12	2,224	7	1,311	250,895	1,011
12/2005	12	2,208	7	1,322	253,103	1,018
01/2006	12	2,192	7	1,334	255,295	1,025
02/2006	12	2,176	7	1,346	257,470	1,032
03/2006	12	2,160	7	1,357	259,630	1,039

Lifetime Monthly Production Forecast Report

10/10

Project: S:\IHS Energy\ptproj\litt1.MDB

Date	Oil (bbl)	Gas (mcf)	Water (bbl)	Total Oil (bbl)	Total Gas (mcf)	Total Water (bbl)
04/2006	11	2,144	7	1,369	261,775	1,046
05/2006	11	2,129	7	1,380	263,904	1,053
06/2006	11	2,114	7	1,391	266,018	1,059
07/2006	11	2,099	7	1,402	268,117	1,066
08/2006	11	2,085	7	1,414	270,202	1,073
09/2006	11	2,071	7	1,425	272,273	1,080
10/2006	11	2,056	7	1,436	274,329	1,086
11/2006	11	2,043	7	1,447	276,372	1,093
12/2006	11	2,029	7	1,457	278,401	1,100
01/2007	11	2,015	7	1,468	280,416	1,106
02/2007	11	2,002	7	1,479	282,418	1,113
03/2007	11	1,989	6	1,489	284,407	1,119
04/2007	11	1,976	6	1,500	286,383	1,126
05/2007	10	1,963	6	1,510	288,346	1,132
06/2007	10	1,951	6	1,521	290,297	1,138
07/2007	10	1,938	6	1,531	292,235	1,145
08/2007	10	1,926	6	1,542	294,161	1,151
09/2007	10	1,914	6	1,552	296,075	1,157
10/2007	10	1,902	6	1,562	297,978	1,164
11/2007	10	1,890	6	1,572	299,868	1,170
12/2007	10	1,879	6	1,582	301,747	1,176
01/2008	10	1,867	6	1,592	303,614	1,182
02/2008	10	1,856	6	1,602	305,471	1,188
03/2008	10	1,845	6	1,612	307,316	1,194
04/2008	10	1,834	6	1,622	309,150	1,201
05/2008	10	1,823	6	1,631	310,973	1,207
06/2008	10	1,813	6	1,641	312,786	1,213
07/2008	10	1,802	6	1,651	314,588	1,219
08/2008	10	1,792	6	1,660	316,379	1,225
09/2008	10	1,781	6	1,670	318,161	1,231
10/2008	9	1,771	6	1,679	319,932	1,236
11/2008	9	1,761	6	1,689	321,693	1,242
12/2008	9	1,751	6	1,698	323,444	1,248
01/2009	9	1,741	6	1,707	325,186	1,254
02/2009	9	1,732	6	1,717	326,918	1,260
Total:	1,717	326,918	1,260			

Exhibit #8 Marked Test : Lower Strawn DST 1/8

6 Pages STAR

REPORT NO.

1139311

PAGE NO. 1

TEST DATE:

10-MAR-1999

Schlumberger Testing Data Report

Pressure Data Report

Schlumberger

$P^* = 4300\#$ See Horner Plot

COMPANY: BONNEVILLE FUELS CORP.

WELL: WITT FED. 30 #1

TEST IDENTIFICATION

Test Type OPEN HOLE DST
Test No. ONE
Formation ~~Lower~~ L. Strawn
Test Interval (ft) 10071 to 10133
Depth Reference KB

WELL LOCATION

Field AVALON
County EDDY
State NEW MEXICO
Sec/Twn/Rng 30/21e/26e
Elevation (ft) 3592

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 10133
Hole Size (in) 8.75
Casing/Liner I.D. (in) 9.625
Perf'd Interval/Net Pay (ft) .. / 52
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type F/W GEL-PAC
Mud Weight (lb/gal) 9.1
Mud Resistivity (ohm.m)
Filtrate Resistivity (ohm.m) .. 0.408 @ 60F
Filtrate Chlorides (ppm) 18000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 4852.09
Gas Cushion Type
Surface Pressure (psi)
Liquid Cushion Type
Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 9137 / 3.82
Collar Length (ft)/I.D. (in) .. 913 / 2.25
Packer Depths (ft)
Bottomhole Choke Size (in) ... 0.94
Gauge Depth (ft)/Type 10041/SLSR-704

NET PIPE RECOVERY

Volume	Fluid Type	Properties
	VERY SLIGHT	
150 ft	GAS CUT MUD	Rw0.408@60F 18000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
0.54 cuft	Gas	
0 cc	Oil	
0 cc	Water	
0 cc	Mud	
Pressure: 80	GOR: 0	GLR: 0

INTERPRETATION RESULTS

Model of Behavior
Fluid Type Used for Analysis..
Reservoir Pressure (psi)
Transmissibility (md.ft/cp) ..
Effective Permeability (md) ..
Skin Factor/Damage Ratio
Storativity Ratio, Omega
Interporos.Flow Coef., Lambda..
Distance to an Anomaly (ft) ..
Radius of Investigation (ft) ..
Potentiometric Surface (ft) ..

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API)
Basic Solids (%)
Gas Gravity
GOR (scf/STB)
Water Cut (%)
Viscosity (cp)
Total Compressibility (1/psi)..
Porosity (%) 10
Reservoir Temperature (F) 162
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

We had a successful test. The total recovery was only .90 bbl. of very slightly gas cut drilling mud. Gas came to surface 13 minutes into the final shut-in period. It was a 2 foot flare that only burned for a few minutes. The sample chamber contained only gas, .53 cubic feet of sweet gas. Thank you for using Schlumberger.

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WELL TEST INTERPRETATION REPORT #:1139311		PAGE: 2,
CLIENT : BONNEVILLE FUELS CORP.		12-MAR-99
REGION :CSD DISTRICT:HOBBS BASE :MIDLAND ENGINEER:BILL GRAYSHAW	SEQUENCE OF EVENTS	FIELD: AVALON ZONE :ATOKA WELL :WITT FED.-30-1 LOCATION:30/21s/26e

DATE	TIME (HR:MIN)	DESCRIPTION	ET (MINS)	BHP (PSIA)	WHP (PSIG)
10-MAR		OPEN TO 1/8" BUBBLE HOSE			
	05:37	HYDROSTATIC MUD	-15	4852	
	05:50	SET PACKERS	-2		
	05:52	START FLOW B.O.B. • 35 SECONDS	0	61	1"
	05:53		1		9oz.
	05:54		2		1#
	05:55		3		1.4#
	05:57		5		2.2#
	06:02		10		2.9#
	06:07		15		3.5#
	06:08	END FLOW & START SHUT-IN	16	89	3.6#
	06:11	OPEN TO 1" CHOKE ONLY	19		
	07:08	OPEN TO BUBBLE HOSE ONLY	76		
	07:10	END SHUT-IN	78	1947	
	07:12	START FLOW B.O.B. • 12 SECONDS	80	65	2"
	07:13		81		4.5#
	07:14		82		8.2#
	07:15		83		8.8#
	07:17		85		8.8#
	07:22		90		9.2#
	07:27		95		9.5#
	07:42		110		11#
	07:57		125		12.6#
	08:12	END FLOW & START SHUT-IN	140	83	14.4#
	08:15	OPEN TO 1" CHOKE ONLY	143		
	08:25	GAS TO SURFACE, A 2 FOOT FLARE BURNS FOR ONLY A FEW MINUTES	153		
	11:12	END SHUT-IN	320	3617	
	11:19	PULLED PACKERS LOOSE	327		

Continued next page

WELL TEST INTERPRETATION REPORT #:1139311		PAGE: 3,
CLIENT : BONNEVILLE FUELS CORP.		12-MAR-99
REGION :CSD	SEQUENCE OF EVENTS Continued	FIELD: AVALON
DISTRICT: HOBBS		ZONE : ATOKA
BASE : MIDLAND		WELL : WITT FED.-30-1
ENGINEER: BILL GRAYSHAW		LOCATION: 30/21s/26e

DATE	TIME (HR:MIN)	DESCRIPTION	ET (MINS)	BHP (PSIA)	WHP (PSIG)
------	------------------	-------------	--------------	---------------	---------------

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	11:20	HYDROSTATIC MUD PULLED TO FLUID	328	4820	
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BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 1139311 COMPANY : BONNEVILLE FUELS CORP.

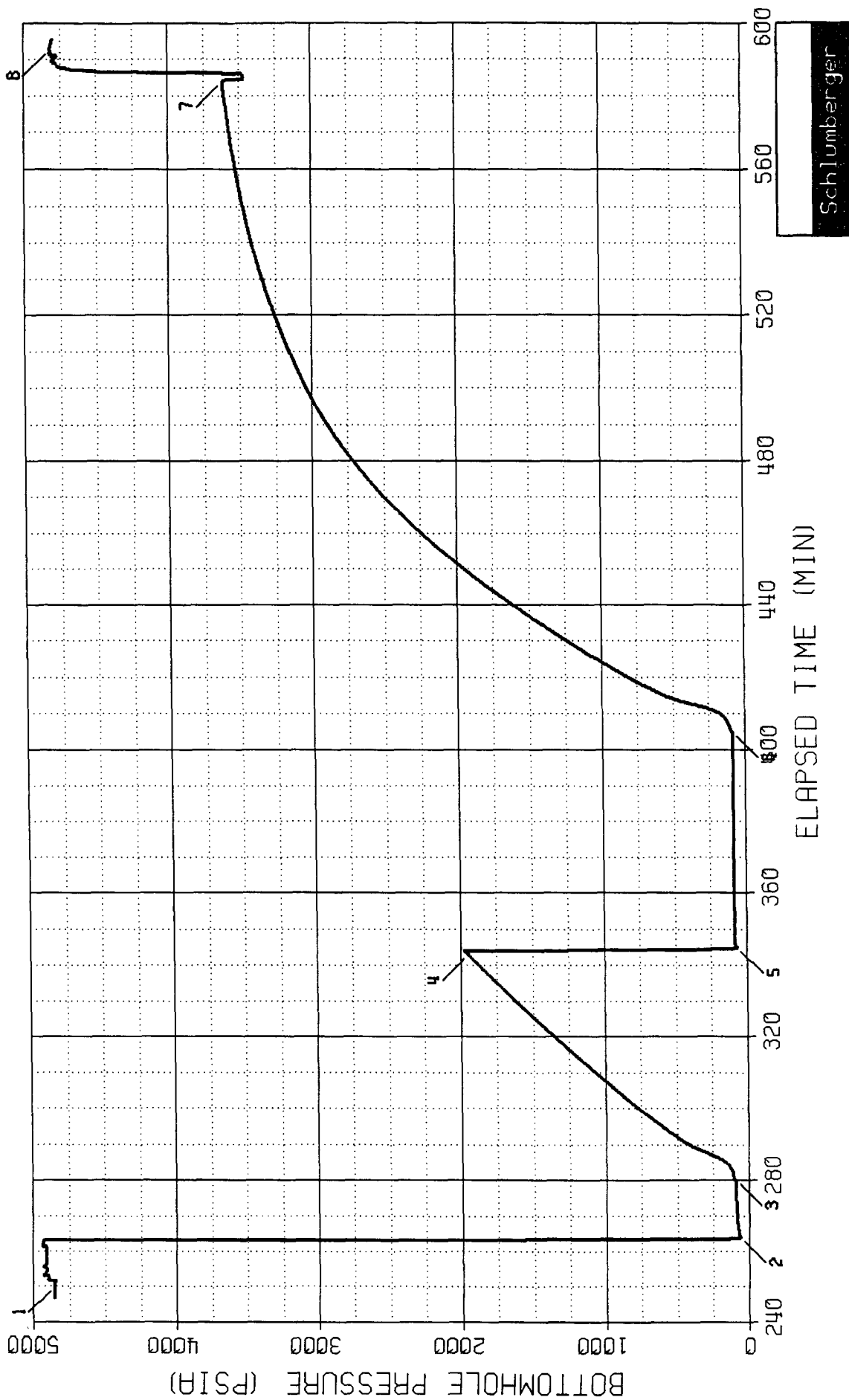
INSTRUMENT NO. SLSR704 WELL : WITT FED. 30 #1

DEPTH : 10041 FT

CAPACITY : 10000 PSI

PORT OPENING : INSIDE

Electronic Pressure Data



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5/5

PRESSURE (PSIA)

HORNER PLOT

FIELD REPORT NO. 1139311
INSTRUMENT NO. SLSR704

COMPANY : BONNEVILLE FUELS CORP.

WELL : WITT FED. 30 #1

SHUTIN #2 : FINAL FLOW PRESSURE (Pwf) : 83 PSIA

PLOT ELAPSED TIME RANGE: 405.3 TO 584.1 MIN

ΔT TIME RANGE: 0.2 TO 179.0 MIN

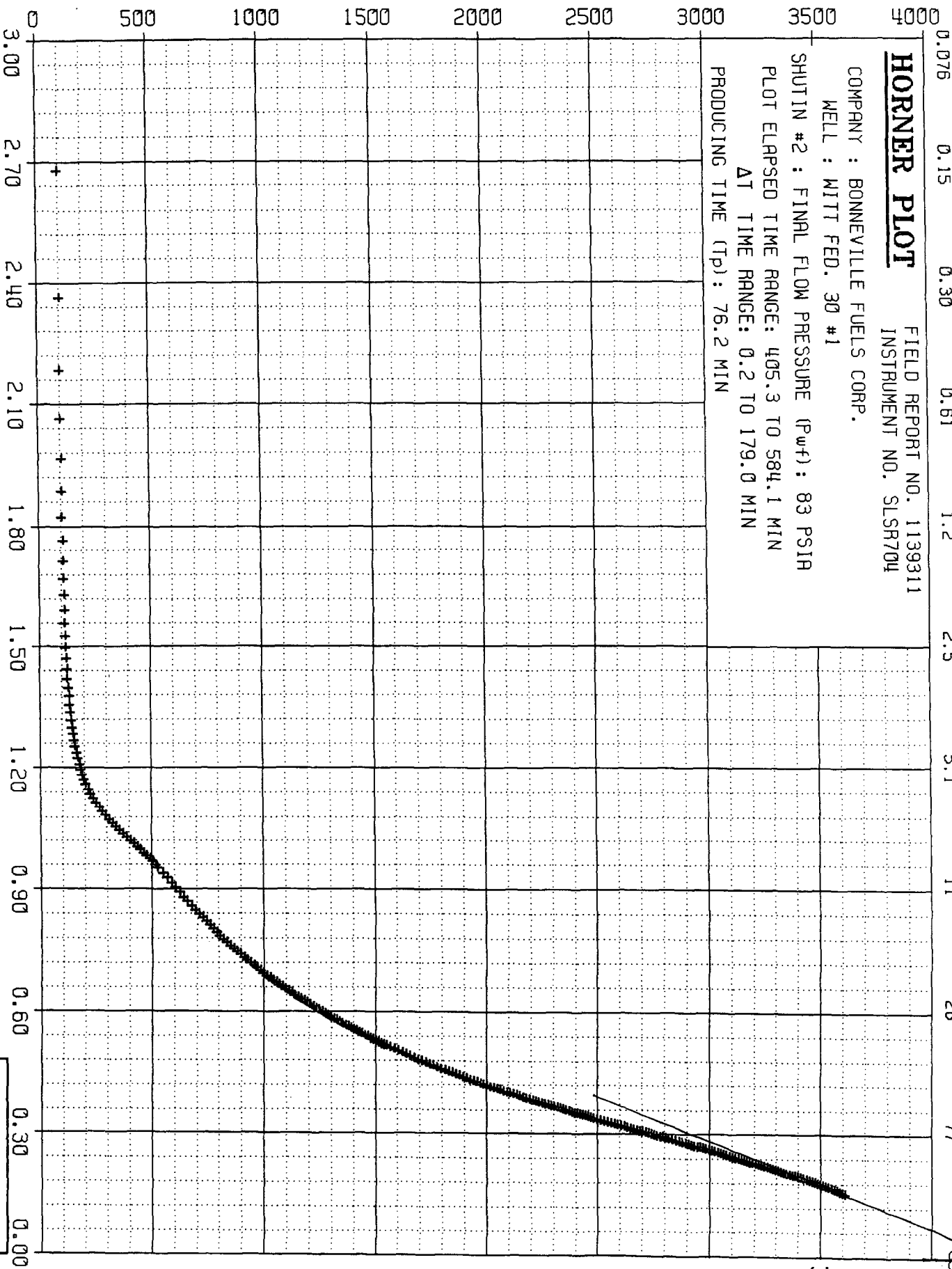
PRODUCING TIME (Tp) : 76.2 MIN

ΔT (MIN)

Pwf = 4300#

4000#

3500#



LOG [(Tp + ΔT) / ΔT]

Schlumberger

6/6

** WELL TEST DATA PRINTOUT **

COMPANY: BONNEVILLE FUELS CORP. FIELD REPORT NO. 1139311
WELL: WITT FED. 30 #1 INSTRUMENT NO. SLR704

RECORDER CAPACITY: 10000 PSI PORT OPENING: INSIDE DEPTH: 10041 FT

LABEL POINT INFORMATION

#	TIME OF DAY		DATE	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE	BOT HOLE
	HH:MM:SS	DD-MMM				PRESSURE PSIA	TEMP. DEG F
1	5:37:47	10-MAR	HYDROSTATIC MUD		249.78	4852.09	141.01
2	5:51:57	10-MAR	START FLOW		263.95	61.08	142.25
3	6:07:57	10-MAR	END FLOW & START SHUT-IN		279.95	89.11	148.41
4	7:10:57	10-MAR	END SHUT-IN		342.95	1947.36	158.11
5	7:12:57	10-MAR	START FLOW		344.95	64.98	157.64
6	8:13:07	10-MAR	END FLOW & START SHUT-IN		405.12	83.22	155.17
7	11:12:07	10-MAR	END SHUT-IN		584.12	3616.67	161.35
8	11:20:47	10-MAR	HYDROSTATIC MUD		592.78	4819.77	162.28

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	INITIAL PRESSURE PSIA
1	263.95	279.95	16.00	61.08	89.11	61.08
2	344.95	405.12	60.17	64.98	83.22	64.98

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, MIN
1	279.95	342.95	63.00	89.11	1947.36	89.11	16.00
2	405.12	584.12	179.00	83.22	3616.67	83.22	76.17

Exhibit #9

10 Pages

WELL TEST REPORT

COMPANY NAME : Bonneville Fuels

FIELD :

WELL NAME : Witt Fed 30 #1

LOCATION : Eddy County

PERF. INTERVAL : 9657-10102

ELEVATION :

GAUGE DEPTH : 10100 feet

GAUGE MODEL : II

GAUGE S/N : 20897

TEST TYPE : 1 HOUR FLOW, 3 DAY SHUT IN

COMMENTS : FLOWING GAS TEMPERATURE 66°F

Combined
Strawn/Canyon
Build-Up &
Static Gradient

TECHNICIAN : Harrah

REPORT DATE : 08/03/99

By:

Jarrel Services Inc.
HOBBS, NEW MEXICO

WELL TEST DATA REPORT

Page: 1

COMPANY : Bonneville Fuels
 FIELD :
 WELL : Witt Fed 30 #1
 LOCATION : Eddy County

TEST INT. : 9657-10102
 GAUGE DEPTH : 10100 feet
 GAUGE S/N : 20897
 START DATE: 07/31/99 (MM/DD/YY)
 START TIME: 14:11:00 (HH:MM:SS)

Day	Time HH:MM:SS	Delta Time Hours	Press PSIA +14.5	dp	Temp 'F	Record # in the DataFile
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INSTRUMENTS ON BOTTOM WITH WELL FLOWING

1	14:11:00	0.000	498.3	0.0	150.7	1
1	14:16:00	0.083	494.2	-4.1	159.2	2
1	14:21:00	0.167	492.5	-1.7	163.6	3
1	14:26:00	0.250	492.3	-0.2	166.0	4
1	14:31:00	0.333	493.0	0.7	166.9	5
1	14:36:00	0.417	494.0	1.0	167.6	6
1	14:41:00	0.500	495.5	1.5	168.1	7
1	14:46:00	0.583	497.5	2.1	168.3	8
1	14:51:00	0.667	500.2	2.7	168.5	9
1	14:56:00	0.750	503.2	3.0	168.6	10
1	15:01:00	0.833	506.7	3.5	168.6	11
1	15:06:00	0.917	510.4	3.7	168.6	12
1	15:11:00	1.000	513.6	3.2	168.7	13

SHUT WELL IN

1	15:16:00	1.083	523.3	9.7	168.7	14
1	15:21:00	1.167	540.6	17.3	168.7	15
1	15:26:00	1.250	557.7	17.1	168.7	16
1	15:31:00	1.333	574.6	16.9	168.8	17
1	15:36:00	1.417	591.7	17.1	168.8	18
1	15:41:00	1.500	603.1	11.4	168.8	19
1	15:46:00	1.583	614.4	11.3	168.9	20
1	15:51:00	1.667	625.1	10.7	168.9	21
1	15:56:00	1.750	635.2	10.1	168.9	22
1	16:01:00	1.833	644.8	9.6	168.9	23
1	16:06:00	1.917	654.2	9.3	168.9	24
1	16:11:00	2.000	663.3	9.1	168.9	25
1	16:16:00	2.083	672.3	9.0	168.9	26
1	16:21:00	2.167	681.3	9.0	168.9	27
1	16:26:00	2.250	690.1	8.8	168.9	28
1	16:31:00	2.333	698.7	8.5	168.9	29
1	16:36:00	2.417	707.0	8.4	169.0	30
1	16:41:00	2.500	715.2	8.1	169.0	31
1	16:46:00	2.583	723.1	8.0	169.0	32
1	16:51:00	2.667	731.1	8.0	169.0	33
1	16:56:00	2.750	739.0	7.9	169.0	34
1	17:01:00	2.833	746.3	7.3	169.0	35
1	17:06:00	2.917	753.4	7.1	169.0	36
1	17:11:00	3.000	760.7	7.4	169.0	37
1	17:16:00	3.083	768.5	7.7	169.0	38

WELL NAME : Witt Fed 30 #1

Page: 2

Day	Time HH:MM:SS	Delta Time Hours	Press PSIA	dp	Temp 'F	Record # in the DataFile
1	17:21:00	3.167	776.6	8.1	169.0	39
1	17:26:00	3.250	785.5	9.0	169.0	40
1	17:31:00	3.333	794.7	9.2	169.1	41
1	17:36:00	3.417	803.5	8.8	169.1	42
1	17:41:00	3.500	812.0	8.4	169.1	43
1	17:46:00	3.583	820.1	8.1	169.1	44
1	17:51:00	3.667	827.9	7.8	169.1	45
1	17:56:00	3.750	835.4	7.5	169.1	46
1	18:01:00	3.833	842.8	7.5	169.1	47
1	18:06:00	3.917	850.2	7.4	169.1	48
1	18:11:00	4.000	857.4	7.2	169.1	49
1	18:16:00	4.083	864.5	7.1	169.1	50
1	18:21:00	4.167	871.5	7.0	169.1	51
1	18:26:00	4.250	878.4	6.9	169.1	52
1	18:31:00	4.333	885.2	6.8	169.1	53
1	18:36:00	4.417	891.8	6.6	169.1	54
1	18:41:00	4.500	898.4	6.6	169.1	55
1	18:46:00	4.583	905.0	6.5	169.1	56
1	18:51:00	4.667	911.5	6.6	169.1	57
1	18:56:00	4.750	918.1	6.5	169.1	58
1	19:01:00	4.833	924.6	6.5	169.1	59
1	19:06:00	4.917	931.3	6.7	169.1	60
1	19:11:00	5.000	937.9	6.6	169.1	61
1	19:16:00	5.083	944.5	6.6	169.1	62
1	19:21:00	5.167	951.0	6.5	169.1	63
1	19:26:00	5.250	957.5	6.5	169.1	64
1	19:31:00	5.333	963.7	6.2	169.1	65
1	19:36:00	5.417	969.5	5.8	169.1	66
1	19:41:00	5.500	975.0	5.5	169.1	67
1	19:46:00	5.583	980.6	5.6	169.1	68
1	19:51:00	5.667	986.7	6.1	169.1	69
1	19:56:00	5.750	992.9	6.2	169.1	70
1	20:01:00	5.833	999.1	6.2	169.1	71
1	20:06:00	5.917	1005.3	6.3	169.1	72
1	20:11:00	6.000	1011.5	6.2	169.1	73
1	20:16:00	6.083	1017.7	6.1	169.1	74
1	20:21:00	6.167	1023.7	6.0	169.1	75
1	20:26:00	6.250	1029.6	5.9	169.1	76
1	20:31:00	6.333	1035.4	5.9	169.1	77
1	20:36:00	6.417	1041.2	5.8	169.0	78
1	20:41:00	6.500	1047.0	5.8	169.0	79
1	20:46:00	6.583	1052.7	5.7	169.0	80
1	20:51:00	6.667	1058.4	5.7	169.0	81
1	20:56:00	6.750	1064.1	5.7	169.0	82
1	21:01:00	6.833	1069.7	5.6	169.0	83

Jarrel Services Inc.

WELL NAME : Witt Fed 30 #1

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Day	Time HH:MM:SS	Delta Time Hours	Press PSIA	dp	Temp 'F	Record # in the DataFile
1	21:06:00	6.917	1075.3	5.6	169.0	84
1	21:11:00	7.000	1080.8	5.6	169.0	85
1	21:16:00	7.083	1086.2	5.4	169.0	86
1	21:21:00	7.167	1091.6	5.4	169.0	87
1	21:26:00	7.250	1097.0	5.4	169.0	88
1	21:31:00	7.333	1102.3	5.2	169.0	89
1	21:36:00	7.417	1107.5	5.2	169.0	90
1	21:41:00	7.500	1112.8	5.3	169.0	91
1	21:46:00	7.583	1118.2	5.3	169.0	92
1	21:51:00	7.667	1123.6	5.4	169.0	93
1	21:56:00	7.750	1128.9	5.3	169.0	94
1	22:01:00	7.833	1134.2	5.3	169.0	95
1	22:06:00	7.917	1139.4	5.3	169.0	96
1	22:11:00	8.000	1144.5	5.1	169.0	97
1	22:16:00	8.083	1149.7	5.1	168.9	98
1	22:21:00	8.167	1154.8	5.1	168.9	99
1	22:26:00	8.250	1159.8	5.0	168.9	100
1	22:31:00	8.333	1164.7	4.9	168.9	101
1	22:36:00	8.417	1169.6	4.9	168.9	102
1	22:41:00	8.500	1174.5	4.9	168.9	103
1	22:46:00	8.583	1179.4	4.9	168.9	104
1	22:51:00	8.667	1184.4	4.9	168.9	105
1	22:56:00	8.750	1189.2	4.8	168.9	106
1	23:01:00	8.833	1194.1	4.9	168.9	107
1	23:06:00	8.917	1198.8	4.8	168.9	108
1	23:11:00	9.000	1203.6	4.8	168.9	109
1	23:16:00	9.083	1208.4	4.8	168.9	110
1	23:21:00	9.167	1213.2	4.7	168.9	111
1	23:26:00	9.250	1217.8	4.7	168.9	112
1	23:31:00	9.333	1222.5	4.7	168.8	113
1	23:36:00	9.417	1227.2	4.7	168.8	114
1	23:41:00	9.500	1231.9	4.7	168.8	115
1	23:46:00	9.583	1236.7	4.7	168.8	116
1	23:51:00	9.667	1241.3	4.7	168.8	117
1	23:56:00	9.750	1245.9	4.6	168.8	118
2	00:01:00	9.833	1250.5	4.6	168.8	119
2	00:06:00	9.917	1255.0	4.5	168.8	120
2	00:11:00	10.000	1259.5	4.5	168.8	121
2	00:16:00	10.083	1264.0	4.5	168.8	122
2	00:21:00	10.167	1268.5	4.5	168.8	123
2	00:26:00	10.250	1272.9	4.4	168.8	124
2	00:31:00	10.333	1277.4	4.4	168.8	125
2	00:36:00	10.417	1281.8	4.4	168.8	126
2	00:41:00	10.500	1286.2	4.4	168.8	127
2	00:46:00	10.583	1290.7	4.4	168.8	128

Jarrel Services Inc.

WELL NAME : Witt Fed 30 #1

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Day	Time HH:MM:SS	Delta Time Hours	Press PSIA	dp	Temp 'F	Record # in the DataFile
2	00:51:00	10.667	1295.1	4.5	168.8	129
2	00:56:00	10.750	1299.5	4.4	168.7	130
2	01:01:00	10.833	1303.9	4.4	168.7	131
2	01:06:00	10.917	1308.3	4.4	168.7	132
2	01:11:00	11.000	1312.7	4.4	168.7	133
2	01:41:00	11.500	1338.1	25.4	168.7	134
2	02:11:00	12.000	1363.0	24.9	168.7	135
2	02:41:00	12.500	1387.1	24.1	168.7	136
2	03:11:00	13.000	1411.5	24.4	168.7	137
2	03:41:00	13.500	1434.3	22.7	168.7	138
2	04:11:00	14.000	1456.6	22.3	168.7	139
2	04:41:00	14.500	1478.2	21.6	168.8	140
2	05:11:00	15.000	1499.3	21.1	168.9	141
2	05:41:00	15.500	1524.3	25.0	169.2	142
2	06:11:00	16.000	1549.1	24.8	169.3	143
2	06:41:00	16.500	1572.5	23.4	169.4	144
2	07:11:00	17.000	1594.5	22.0	169.6	145
2	07:41:00	17.500	1615.6	21.1	169.6	146
2	08:11:00	18.000	1635.9	20.4	169.7	147
2	08:41:00	18.500	1655.6	19.7	169.7	148
2	09:11:00	19.000	1674.8	19.2	169.8	149
2	09:41:00	19.500	1693.7	18.9	169.8	150
2	10:11:00	20.000	1711.7	18.0	169.8	151
2	10:41:00	20.500	1729.3	17.6	169.8	152
2	11:11:00	21.000	1746.6	17.3	169.8	153
2	11:41:00	21.500	1763.3	16.7	169.9	154
2	12:11:00	22.000	1779.4	16.0	169.9	155
2	12:41:00	22.500	1795.4	16.1	169.9	156
2	13:11:00	23.000	1810.9	15.5	169.9	157
2	13:41:00	23.500	1826.0	15.1	169.9	158
2	14:11:00	24.000	1840.4	14.4	169.9	159
2	14:41:00	24.500	1854.4	14.0	169.9	160
2	15:11:00	25.000	1868.3	13.9	169.9	161
2	15:41:00	25.500	1881.9	13.7	170.0	162
2	16:11:00	26.000	1895.2	13.3	170.0	163
2	16:41:00	26.500	1908.7	13.5	170.0	164
2	17:11:00	27.000	1921.6	12.9	170.0	165
2	17:41:00	27.500	1934.1	12.5	170.0	166
2	18:11:00	28.000	1946.4	12.3	170.0	167
2	18:41:00	28.500	1958.6	12.2	170.0	168
2	19:11:00	29.000	1970.5	11.9	170.0	169
2	19:41:00	29.500	1982.0	11.5	170.0	170
2	20:11:00	30.000	1993.5	11.4	170.0	171
2	20:41:00	30.500	2004.5	11.1	170.0	172
2	21:11:00	31.000	2015.8	11.2	170.1	173

Jarrel Services Inc.

WELL NAME : Witt Fed 30 #1

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Day	Time HH:MM:SS	Delta Time Hours	Press PSIA	dp	Temp 'F	Record # in the DataFile
2	21:41:00	31.500	2026.7	11.0	170.1	174
2	22:11:00	32.000	2037.2	10.5	170.1	175
2	22:41:00	32.500	2047.9	10.6	170.1	176
2	23:11:00	33.000	2058.2	10.4	170.1	177
2	23:41:00	33.500	2068.2	10.0	170.1	178
3	00:11:00	34.000	2078.2	10.0	170.1	179
3	00:41:00	34.500	2088.2	9.9	170.1	180
3	01:11:00	35.000	2097.9	9.7	170.1	181
3	01:41:00	35.500	2107.3	9.4	170.1	182
3	02:11:00	36.000	2116.8	9.5	170.1	183
3	02:41:00	36.500	2126.5	9.6	170.1	184
3	03:11:00	37.000	2135.8	9.3	170.2	185
3	03:41:00	37.500	2144.9	9.1	170.2	186
3	04:11:00	38.000	2153.7	8.8	170.2	187
3	04:41:00	38.500	2162.6	8.9	170.2	188
3	05:11:00	39.000	2171.3	8.7	170.2	189
3	05:41:00	39.500	2180.1	8.8	170.2	190
3	06:11:00	40.000	2188.8	8.7	170.2	191
3	06:41:00	40.500	2197.4	8.7	170.2	192
3	07:11:00	41.000	2205.6	8.2	170.2	193
3	07:41:00	41.500	2214.0	8.4	170.2	194
3	08:11:00	42.000	2221.9	7.9	170.2	195
3	08:41:00	42.500	2230.2	8.2	170.2	196
3	09:11:00	43.000	2238.3	8.2	170.2	197
3	09:41:00	43.500	2246.4	8.1	170.2	198
3	10:11:00	44.000	2254.2	7.8	170.2	199
3	10:41:00	44.500	2262.0	7.8	170.2	200
3	11:11:00	45.000	2269.8	7.8	170.3	201
3	11:41:00	45.500	2277.2	7.5	170.3	202
3	12:11:00	46.000	2284.8	7.6	170.2	203
3	12:41:00	46.500	2292.4	7.6	170.3	204
3	13:11:00	47.000	2300.0	7.6	170.3	205
3	13:41:00	47.500	2307.4	7.3	170.3	206
3	14:11:00	48.000	2314.5	7.2	170.3	207
3	14:41:00	48.500	2321.7	7.2	170.3	208
3	15:11:00	49.000	2328.7	6.9	170.3	209
3	15:41:00	49.500	2335.6	6.9	170.3	210
3	16:11:00	50.000	2342.6	7.0	170.3	211
3	16:41:00	50.500	2349.8	7.1	170.3	212
3	17:11:00	51.000	2356.6	6.8	170.3	213
3	17:41:00	51.500	2363.3	6.7	170.3	214
3	18:11:00	52.000	2369.8	6.5	170.3	215
3	18:41:00	52.500	2376.4	6.6	170.3	216
3	19:11:00	53.000	2382.9	6.6	170.3	217
3	19:41:00	53.500	2389.4	6.4	170.3	218

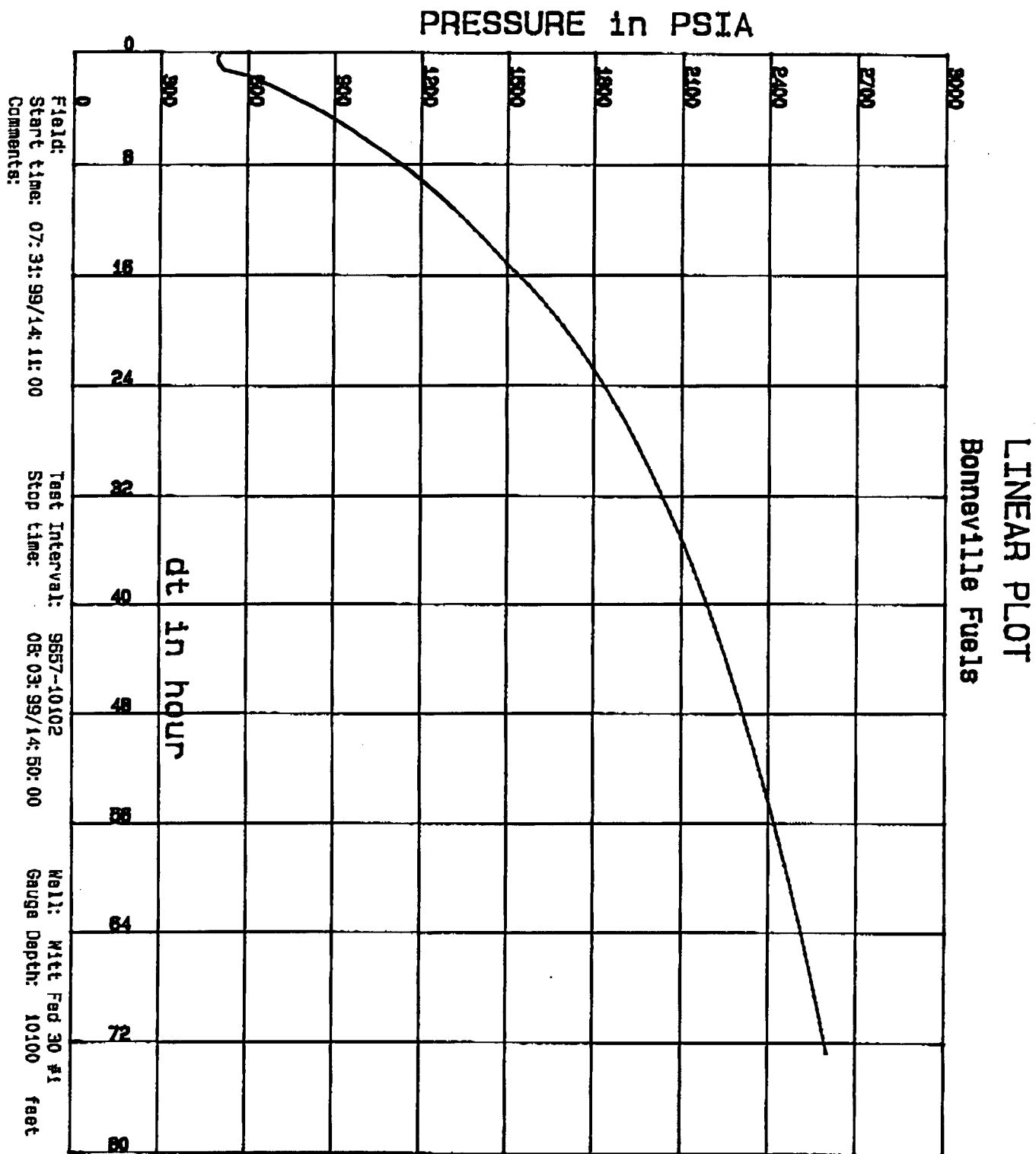
Jarrel Services Inc.

WELL NAME : Witt Fed 30 #1

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Day	Time HH:MM:SS	Delta Time Hours	Press PSIA	dp	Temp 'F	Record # in the DataFile
3	20:11:00	54.000	2395.9	6.6	170.3	219
3	20:41:00	54.500	2402.4	6.5	170.3	220
3	21:11:00	55.000	2408.9	6.5	170.3	221
3	21:41:00	55.500	2415.1	6.2	170.3	222
3	22:11:00	56.000	2421.4	6.3	170.3	223
3	22:41:00	56.500	2427.5	6.0	170.3	224
3	23:11:00	57.000	2433.7	6.3	170.3	225
3	23:41:00	57.500	2439.7	5.9	170.3	226
4	00:11:00	58.000	2445.6	5.9	170.3	227
4	00:41:00	58.500	2451.7	6.1	170.3	228
4	01:11:00	59.000	2457.6	5.9	170.3	229
4	01:41:00	59.500	2463.7	6.2	170.3	230
4	02:11:00	60.000	2469.6	5.9	170.3	231
4	02:41:00	60.500	2475.4	5.8	170.3	232
4	03:11:00	61.000	2481.0	5.6	170.3	233
4	03:41:00	61.500	2486.6	5.6	170.3	234
4	04:11:00	62.000	2492.3	5.8	170.3	235
4	04:41:00	62.500	2497.8	5.4	170.3	236
4	05:11:00	63.000	2503.2	5.5	170.3	237
4	05:41:00	63.500	2508.8	5.5	170.3	238
4	06:11:00	64.000	2514.1	5.4	170.3	239
4	06:41:00	64.500	2519.5	5.4	170.3	240
4	07:11:00	65.000	2524.7	5.2	170.3	241
4	07:41:00	65.500	2530.0	5.3	170.3	242
4	08:11:00	66.000	2535.4	5.4	170.3	243
4	08:41:00	66.500	2540.5	5.2	170.3	244
4	09:11:00	67.000	2545.7	5.2	170.4	245
4	09:41:00	67.500	2550.9	5.2	170.4	246
4	10:11:00	68.000	2555.9	5.0	170.4	247
4	10:41:00	68.500	2561.0	5.1	170.4	248
4	11:11:00	69.000	2566.1	5.1	170.4	249
4	11:41:00	69.500	2571.2	5.1	170.4	250
4	12:11:00	70.000	2576.4	5.2	170.4	251
4	12:41:00	70.500	2581.2	4.8	170.4	252
4	13:11:00	71.000	2586.1	4.9	170.4	253
4	13:41:00	71.500	2590.8	4.8	170.4	254
4	14:11:00	72.000	2595.5	4.6	170.4	255
4	14:41:00	72.500	2600.2	4.8	170.4	256
4	14:50:00	72.650	2601.6	1.4	170.3	257

Jarrel Services Inc.



Jarrel Services Inc.

Shut-in Pressure Gradient

Company : Bonneville Fuels

Test date : 08/03/99 @ 2:50 pm

Data File : WITT.BHP

Remarks:

Depth (feet)	PSIA Pressure (psig)	Delta Pressure (psig)	Pressure Gradient (psig/ft)
Surface	1,982.00		
2,500	2,119.00	137.00	0.0548
5,000	2,274.00	155.00	0.0620
7,500	2,437.00	163.00	0.0652
9,000	2,538.00	101.00	0.0673
9,100	2,544.00	6.00	0.0600
9,200	2,549.00	5.00	0.0500
9,300	2,555.00	6.00	0.0600
9,400	2,561.00	6.00	0.0600
9,500	2,567.00	6.00	0.0600
9,600	2,574.00	7.00	0.0700
9,700	2,580.00	6.00	0.0600
9,800	2,586.00	6.00	0.0600
9,900	2,591.00	5.00	0.0500
10,000	2,596.00	5.00	0.0500
10,100	2,602.00	6.00	0.0600

Shut-in Pressure Gradient

Jarrel Services Inc.

Company : Bonneville Fuels

Lease : Witt Fed 30 #1

County : Eddy

Well # :

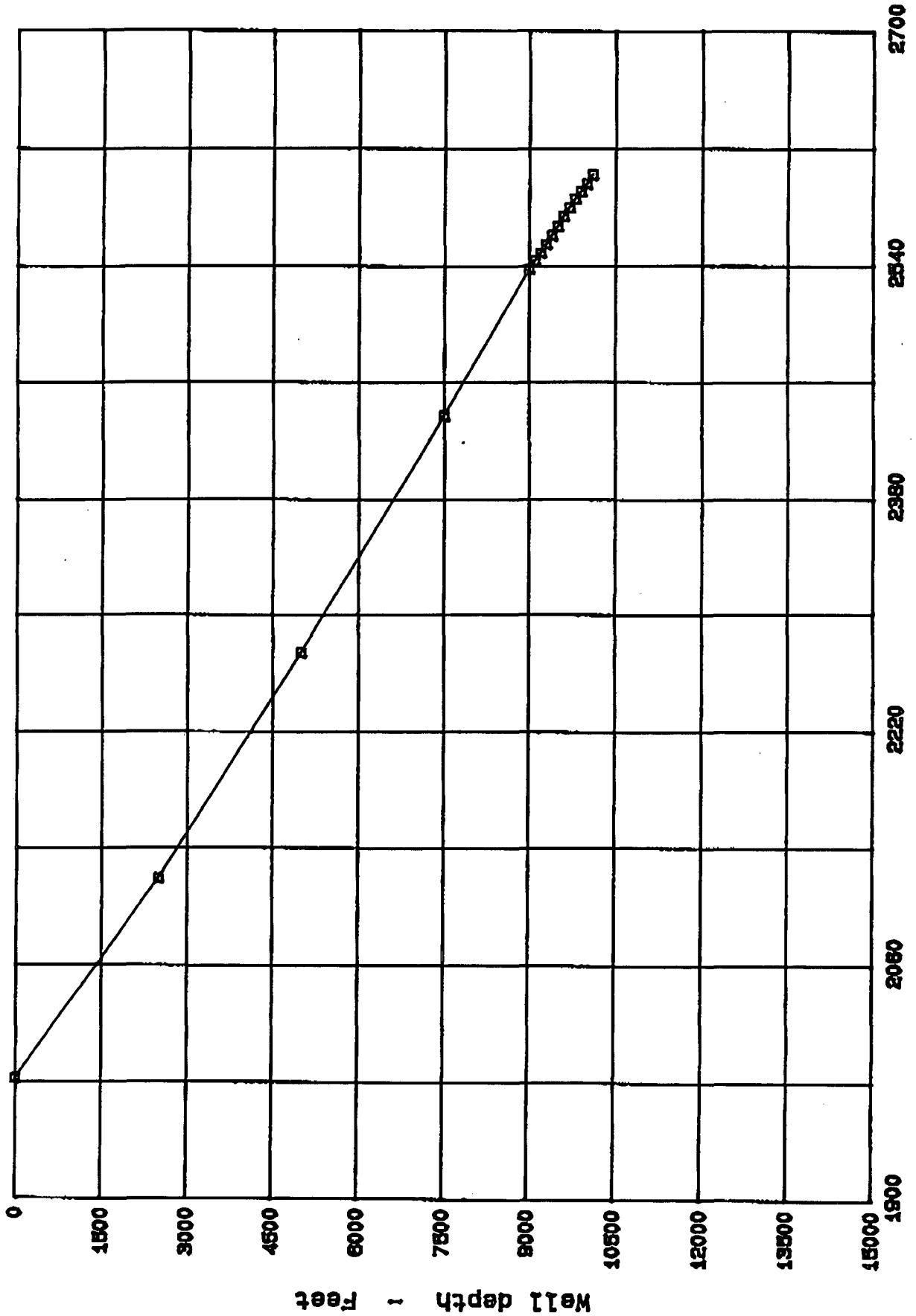
Field :

State : New Mexico

Location :

Test date : 08/03/99 @ 2:50 pm

File - WITT



RHETT GIST
PETROLEUM ENGINEER
301 N. Colorado, Ste 217
Midland, Texas 79701

Exhibit #10
6 Pages

1/6

telephone : 915-688-5166

fax : 915-688-5168

Combined/Commingled Build-Up: Strawn & Canyon:

August 4, 1999

Bonneville Fuels Corp.
1660 Lincoln, Ste 2200
Denver, Colorado 80264

Attn: Mr. Bob Schwering

Original L. Strawn BHP = ± 4300 PSIA @ 10,100'
Gradient Est. Canyon BHP = 4090 PSIA @ 9,675'

$p^* = 4097$ PSIA @ 10,100'
indicates Canyon BHP as p^*
f/well now that both zones open.

The following presents the results of a buildup test conducted on July 31, 1999 on the **Bonneville - Witt Federal 30 #1**, Eddy County, New Mexico.

SUMMARY

The Witt 30 No. 1 well is completed in the Strawn and Canyon with perforations from 9,657 ft. to 10,102 ft. The estimated net pay is 57 feet. Total production was 2960 mcf over 22 days. The flowing bottomhole pressure at shut-in was 514 psi. The maximum recorded pressure at the end of the 72 hour buildup was 2601 psi at a gauge depth of 10,100 ft. Pressures increased at a rate of 10 psi/hr during the last 10 hours of the test.

The static gradient showed no liquids in the wellbore.

CONCLUSIONS

The data show wellbore storage effects and quarter-slope (bilinear or early fracture) flow. This appears to be a low permeability, slightly stimulated formation.

Witt Federal 30-1

Permeability, md	0.0055
Skin	- 2.7
Fracture half-length, ft	- 12
Extrapolated Pressure, psia	- 4097 (Horner)
@10,100 ft	- 4744 (Bilinear)

$k = .0055$ (54' Strawn & 3' Canyon)
 $k = .0044$ (72' Strawn + Canyon)
 $k = .0174$ (18' Lower Strawn Only)

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Bonneville Fuels
Witt Federal 30 - 1
Report date 8/04/99
Page No. 2

PRESSURE ANALYSIS

Figure 1 is a log-log plot showing the pressures (marked as squares) and pressure derivatives (circles). Comments are made on the plot about the various flow behaviors. Non-linear gas compressibilities are accounted for using real gas pseudo pressures. Identified are periods of wellbore storage and possible bilinear flow.

Figure 2 is an infinite conductivity fracture type curve match on the data. Figure 3 is the same match for single set of type curves. These values are reported above.

Figure 4 is a Horner plot. A line is taken thru the data at the end of the test. Radial flow has not developed so the calculated values are not accurate. The extrapolated pressure is reported above.

Figure 5 is a bilinear (quarter-root of time) plot. Because the derivative data on Figure 1 fall on a quarter-slope, this is probably a better estimate of reservoir pressure.

No: Poorer Est. due to results of OST #1.
RH

If you have any question concerning this report, please do not hesitate to call me at 915-688-5166.

Very truly yours,

Rhett Gist

witt30-1-2.pan

Report File:

Bonneville Fuels Corp

Witt Federal 30-1

Buildup- 7/31/99

Log-Log Plot

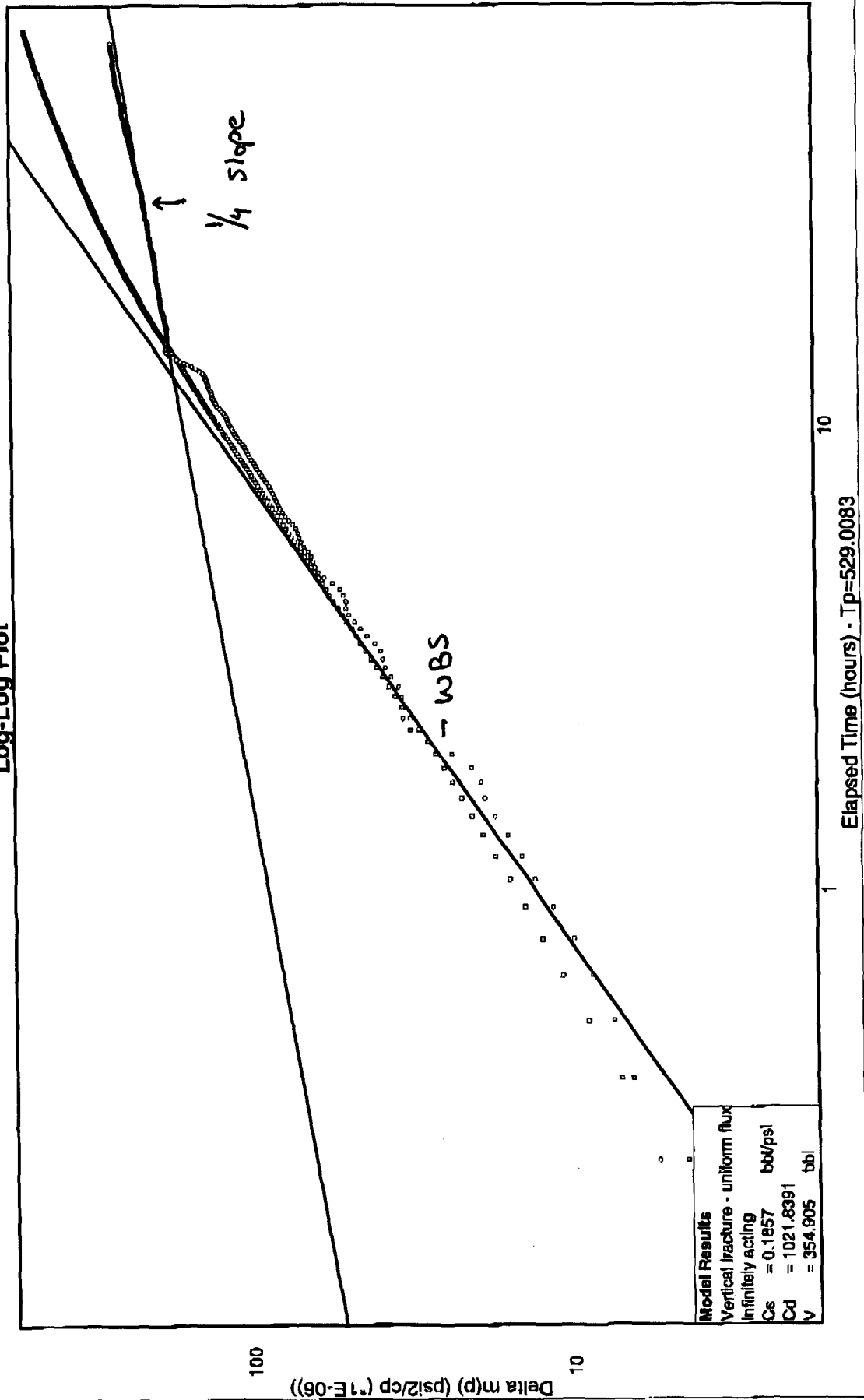
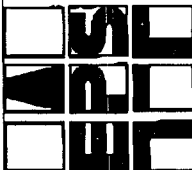


Figure 1



Bonneville Fuels Corp
Witt Federal 30-1
Buildup- 7/31/99

witt30-1-2.pan

Report File:

Type Curve Plot

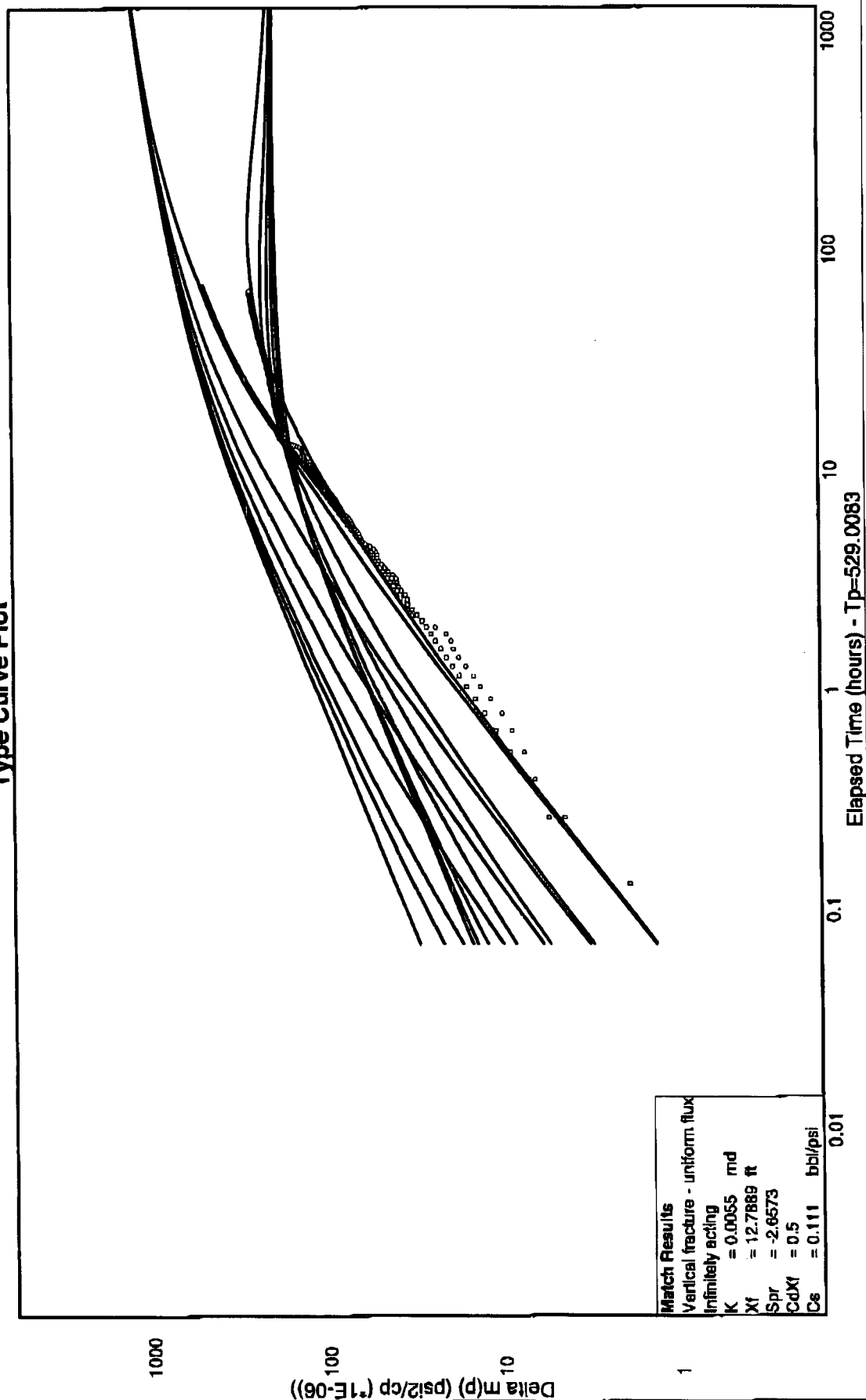


Figure 2

witt30-1-2.pan

Report File:

Bonneville Fuels Corp

Witt Federal 30-1

Buildup- 7/31/99

Type Curve Plot

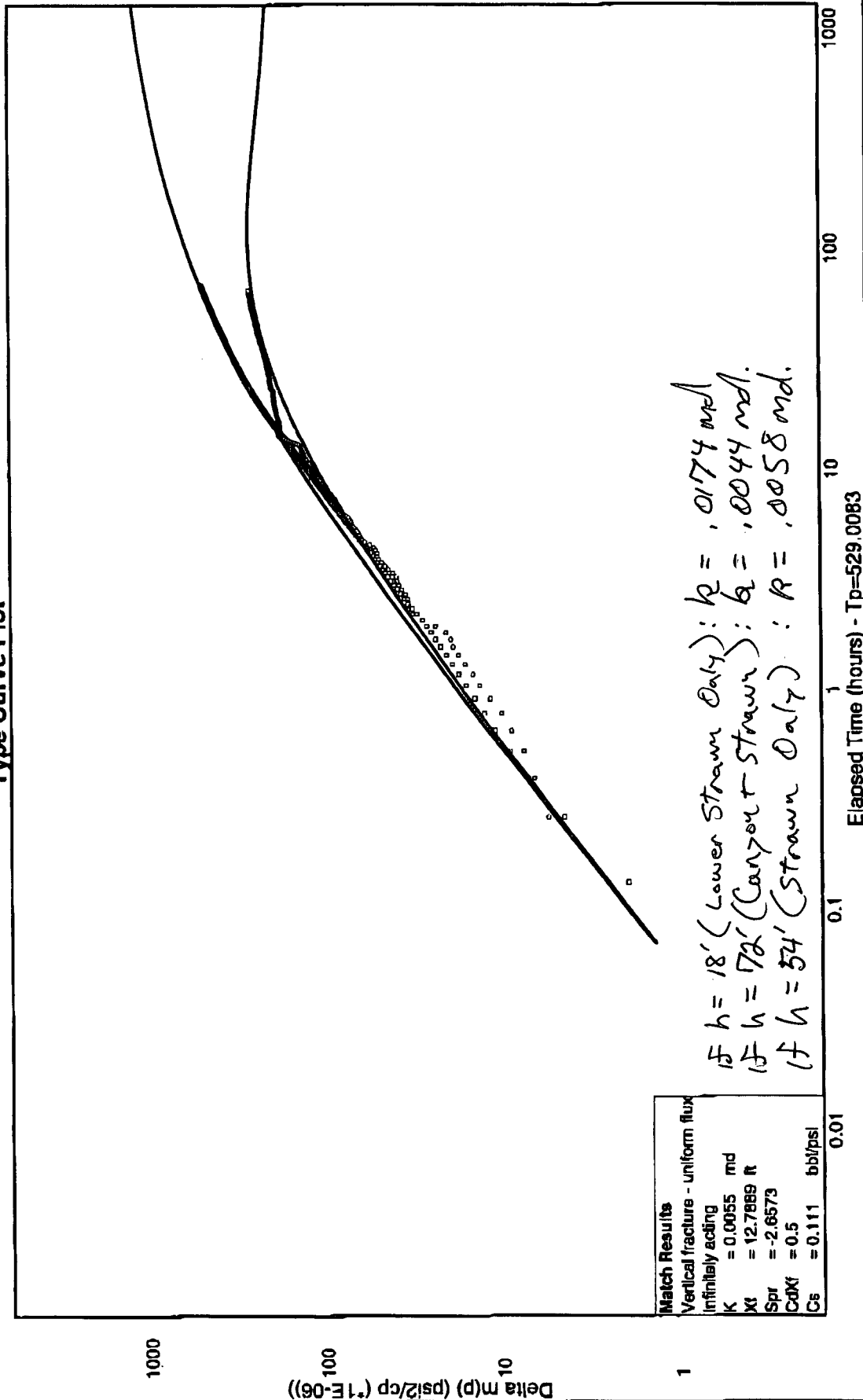
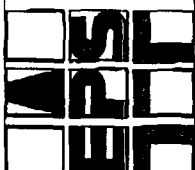


Figure 3



Bonneville Fuels Corp
With Federal 30-1
Buildup - 7/31/99
Report File: witt30-1-2.pan

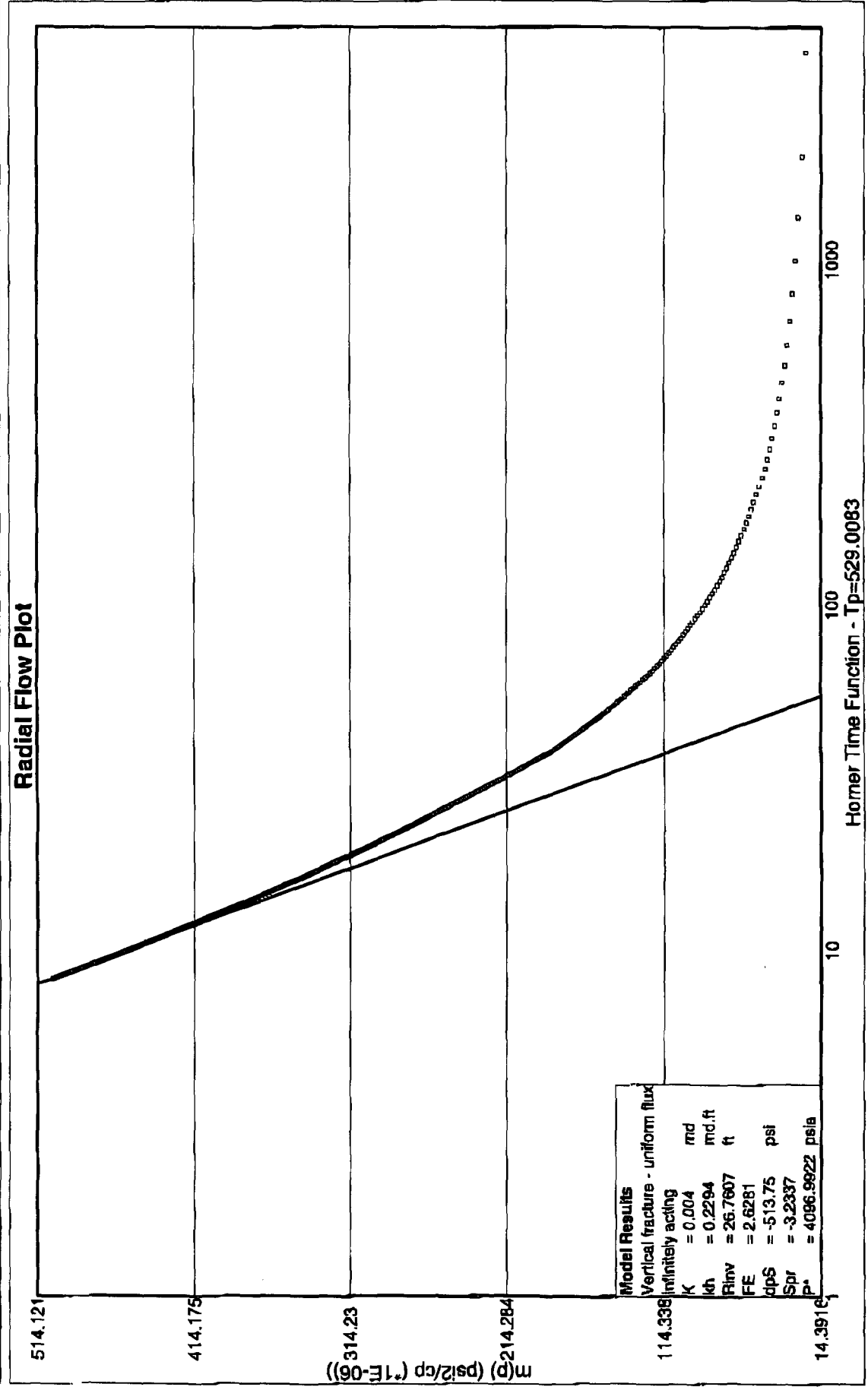


Figure 4

EXHIBIT #11:
6 Pages

With Fed. "30" - #1

1/6

CANYON WATER SAT. CALCULATIONS:

Gas Specific Volume= 245 SCF per cu.ft. reservoir.

DEPTH: POROSITY: Rt: Rw=.07 H-C Por.
Sw

9,657	0.030	800	0.312	0.021 GAS	LIME
9,658	0.030	730	0.326	0.020 GAS	LIME
9,659	0.025	1250	0.299	0.018 GAS	LIME
9,660	0.020	180	0.986	0.000 WET	LIME
9,661	0.080	12	0.955	0.004 WET	LIME
9,662	0.140	3.8	0.969	0.004 WET	LIME
9,663	0.080	13	0.917	0.007 WET	LIME
9,669	0.010	2000	0.592	0.004 WET	LIME
9,670	0.015	560	0.745	0.004 WET	LIME
9,671	0.030	230	0.582	0.013 WET	LIME
9,672	0.020	120	1.000	0.000 WET	LIME
9,697	0.040	540	0.285	0.029 GAS	LIME
9,698	0.040	160	0.523	0.019 Sli. WET	LIME
9,699	0.045	150	0.480	0.023 Sli. WET	LIME
9,700	0.065	590	0.168	0.054 GAS	LIME
9,701	0.070	2000	0.085	0.064 GAS	LIME
9,702	0.040	2000	0.148	0.034 GAS	LIME
9,703	0.030	2000	0.197	0.024 GAS	LIME

18' 0.810 0.341
AVG POR= 0.045 0.532
Canyon Potential: 80 Acres @ 4090#BHP @ 80% Rec.= 0.2 BCF
STRAWN/CANYON COMBINED:
SUM POR = 3.590
SUM HGT = 72'
AVG POR = 0.049861
AVG SW = 0.464265

With Fed. "30" - #1

STRAWN WATER SAT. CALCULATIONS:

Gas Specific Volume= 256 SCF per cu.ft. reservoir.

DEPTH: POROSITY: Rt: Rw=.07 H-C Por.
B Sw

Lower Strawn: Sand #3:

10,084	0.080	60	0.427	0.046 GAS	
10,085	0.090	160	0.232	0.069 GAS	
10,086	0.090	260	0.182	0.074 GAS	
10,087	0.080	155	0.266	0.059 GAS	
10,088	0.065	130	0.357	0.042 GAS	
10,089	0.065	165	0.317	0.044 GAS	
10,090	0.065	215	0.278	0.047 GAS	
10,091	0.065	78	0.461	0.035 Sli. WET	Shaley
10,092	0.075	62	0.448	0.041 GAS	
10,093	0.070	150	0.309	0.048 GAS	
10,094	0.060	105	0.430	0.034 GAS	
10,095	0.070	75	0.436	0.039 GAS	
10,096	0.080	115	0.308	0.055 GAS	
10,097	0.085	85	0.338	0.056 GAS	
10,098	0.080	54	0.450	0.044 GAS	
10,099	0.070	65	0.469	0.037 Sli. WET	Shaley
10,100	0.070	72	0.445	0.039 GAS	
10,101	0.075	85	0.383	0.046 GAS	
10,102	0.065	200	0.288	0.046 GAS	
19'	1.400			0.903	

0.07368421

Lower Strawn Potential: 160 Acres @ 4300#BHP @ 80% Rec.= 1.3 BCF

Middle Strawn: Limestones:

9,972	0.140	58	0.248	0.105 GAS	
9,973	0.140	26	0.371	0.088 GAS	
9,974	0.140	11	0.570	0.060 Sli. WET	Shale
9,946	0.010	1500	0.683	0.003 WET	Lime
9,947	0.015	2000	0.394	0.009 GAS	Lime
9,948	0.020	2000	0.296	0.014 GAS	Lime
9,949	0.030	2000	0.197	0.024 GAS	Lime
9,950	0.040	2000	0.148	0.034 GAS	Lime
9,951	0.030	2000	0.197	0.024 GAS	Lime
9,952	0.010	2000	0.592	0.004 Sli. WET	Lime
9,931	0.030	2000	0.197	0.024 GAS	Lime
9,932	0.030	1000	0.279	0.022 GAS	Lime
9,933	0.030	400	0.441	0.017 GAS	Lime
9,934	0.030	280	0.527	0.014 Sli. WET	Lime
9,935	0.030	270	0.537	0.014 Sli. WET	Lime
9,920	0.020	610	0.536	0.009 Sli. WET	Lime
9,921	0.025	1200	0.306	0.017 GAS	Lime
9,922	0.020	650	0.519	0.010 Sli. WET	Lime
9,923	0.015	375	0.911	0.001 WET	Lime
19'	0.805			0.494	

0.042

Middle Strawn Potential: 40 Acres @ 4300#BHP @ 80% Rec.= 0.2 BCF

Upper Strawn: Sand #2:

9,885	0.030	38	1.000	0.000 WET	Shaley
9,886	0.030	280	0.527	0.014 Sli. WET	Shaley
9,887	0.025	290	0.621	0.009 WET	Shaley
9,888	0.030	50	1.000	0.000 WET	Shaley
9,860	0.050	46	0.780	0.011 WET	Shaley
9,861	0.060	42	0.680	0.019 WET	Shaley
9,862	0.080	100	0.331	0.054 GAS	Shaley
9,863	0.070	340	0.205	0.056 GAS	Shaley
9,864	0.060	155	0.354	0.039 GAS	Shaley
9,865	0.030	48	1.000	0.000 WET	Shaley
9,850	0.025	250	0.669	0.008 WET	Shaley
9,851	0.020	1500	0.342	0.013 GAS	
9,852	0.020	2000	0.296	0.014 GAS	
9,853	0.020	2000	0.296	0.014 GAS	
9,854	0.015	2000	0.394	0.009 GAS	
9,855	0.010	2000	0.592	0.004 WET	Shaley
16'	0.575			0.265	

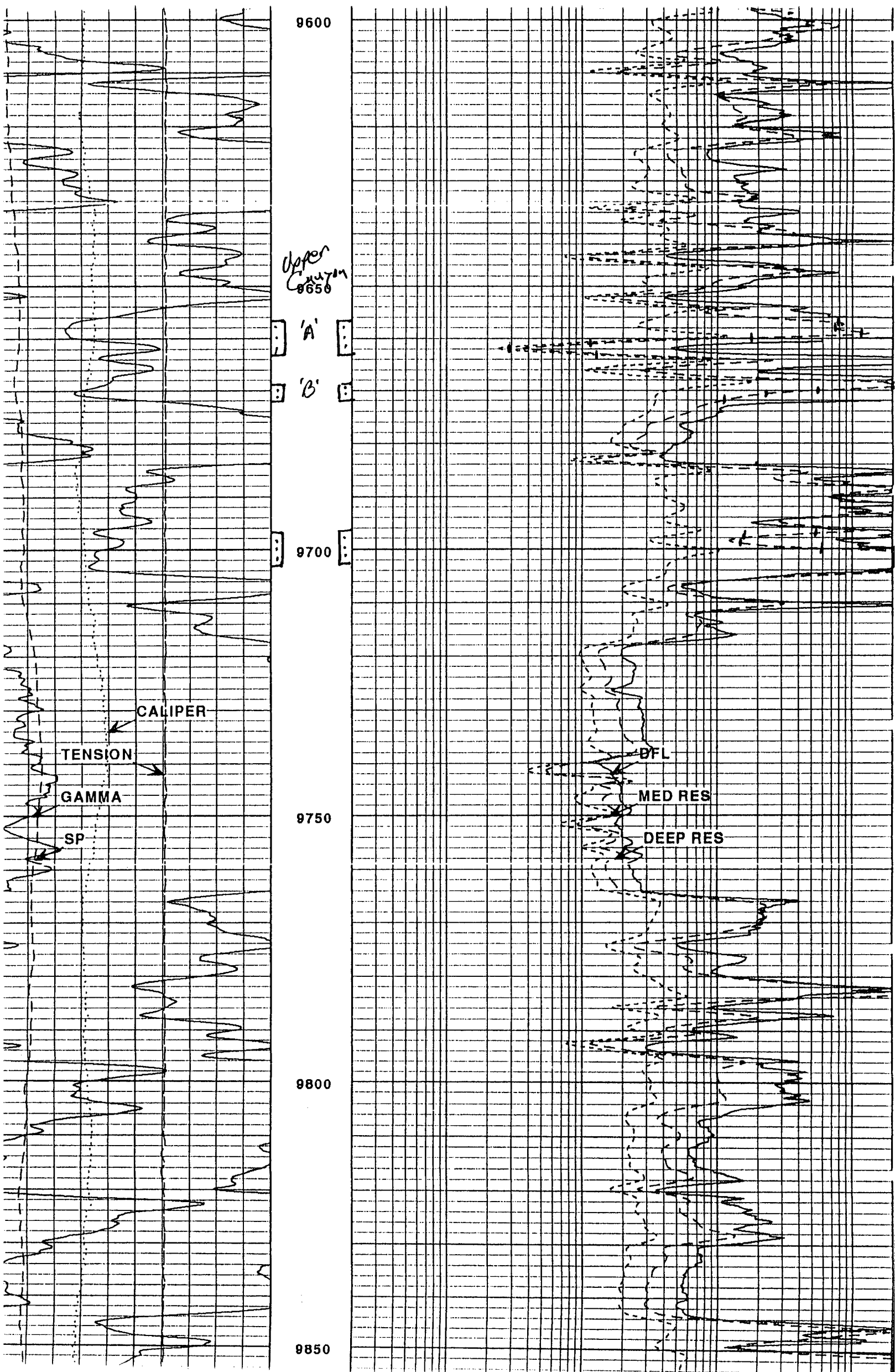
0.036

AVG STR = 0.051 0.442

Upper Strawn Potential: 320 Acres @ 4300#BHP @ 80% Rec.= 0.4 BCF

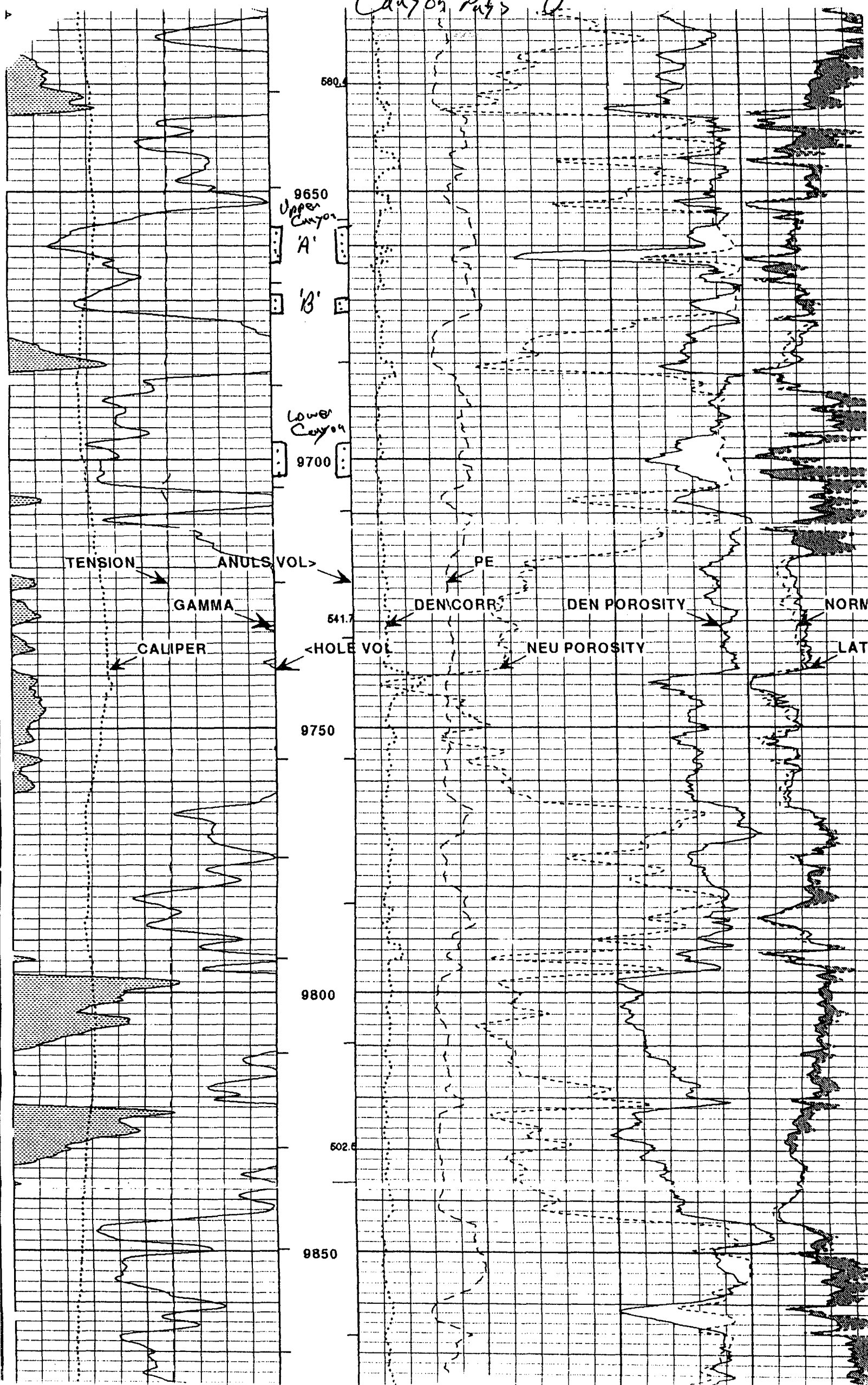
W. H. 30"-II 1: Induction Log
Canyon Pgs

3/6



Porosity Log
Canyon Pass

4/6



Strawn Pass:

ENC/CNL-GR/CAL

N.H. Fed '30-#1

00115/100
30-#1

Up
Strawn
9850

Limne

Sandy

Sandy

9900

Model
Strawn Lines

'A1'

488.6

'A2'

'B'

9950

'C'

10000

425.7

10050

Lower
Strawn

10100

Atoka

Strawn Pys: C11L - GR/CAL With Fed. "30"-#1 6/6

