

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
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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



### ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST 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

[D] Other: Specify \_\_\_\_\_

#### [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] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Robert Wadley  
 Print or Type Name

Signature

Regulatory Analyst  
 Title

8/28/01  
 Date

RWadley@BRLGCorp.com  
 e-mail Address

123339957

DHC

N/R

**BIRD CREEK, L.L.C.**  
7134 S. Yale Avenue, Ste. 600  
Tulsa, OK 74136  
(918) 496-2626  
(918) 496-3996

OIL CONSERVATION DIV.  
CY 805 PM 4:46

2951

August 9, 2001

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM. 87505

RE: Application to Downhole Commingle  
Dunn #1  
Sec. 25-22S-27E  
Eddy County, NM.

Gentlemen:

Enclosed is Bird Creek, LLC's form C-107 for the captioned well together with the supporting data and other attachments as required. Please be advised that we based our estimates from offset Strawn and Atoka production and in the case of the Strawn the fact that our well is located off structure. Therefore, in order to prevent waste, protect correlative rights and extend the economic life of the well commingling these two zones with the Morrow is feasible and necessary. Please forward the approved application to my attention at the letterhead address.

Thank you for your cooperation and if you have any questions please call me at (918) 496-2626.

Sincerely,



Robert Wadley  
Regulatory Analyst

Rw

enclosures

District I  
1625 N. French Drive, Hobbs, NM 88340

District II  
1301 W. Grand Avenue, Artesia, NM 88210

District III  
1000 Ray Brown Road, Artesia, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-107A  
Revised May 15, 2000

APPLICATION TYPE

☒ Single Well  
☐ Establish Pre-Approved Pools  
EXISTING WELLBORE  
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

**BIRD CREEK, LLC 7134 S. Yale, #600 TULSA, OK 74136**  
Operator **DUNN** Address **#1 D-25-22S-27E Eddy**  
Lease **19950** Well No. **002063** Unit Letter-Section-Township-Range **3001525254** County **Eddy**  
OGRID No. **19950** Property Code **002063** API No. **3001525254** Lease Type: ☐ Federal ☐ State ☒ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	<b>Carlsbad STRAW</b>	<b>Wildcat ATOKA</b>	<b>OTIS MORROW</b>
Pool Code	<b>74040</b>	<b>Chs-Atoka</b>	<b>82360</b>
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	<b>10658-10774</b>	<b>11412-11416</b>	<b>11901-12132</b>
Method of Production (Flowing or Artificial Lift)	<b>Flowing</b>	<b>Flowing</b>	<b>Flowing</b>
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)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	<b>60°</b>		<b>1,016 BTU</b>
Producing, Shut-In or New Zone	<b>NEW ZONE</b>	<b>NEW ZONE</b>	<b>Producing</b>
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: <b>EST.</b> <b>300 MCFD</b> Rates: <b>8 BOPD</b>	Date: <b>EST.</b> <b>25 MCFD</b> Rates: <b>25 MCFD</b>	Date: <b>7/25/01</b> Rates: <b>45 MCFD</b>
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil <b>100 %</b> Gas <b>81 %</b>	Oil <b>0 %</b> Gas <b>7 %</b>	Oil <b>0 %</b> Gas <b>12 %</b>

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No ☐  
Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other?

Yes ☐ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

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 ☐ 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 **Robert Wadley** TITLE **Regulatory Analyst** DATE **8/8/2001**

TYPE OR PRINT NAME **Robert Wadley** TELEPHONE NO. **(918) 496-2626**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 15, 2000  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 3001525254		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name Wildcat ATOKA	
<sup>4</sup> Property Code 002063		<sup>5</sup> Property Name DUNN			<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 199530		<sup>8</sup> Operator Name Bird Creek LLC			<sup>9</sup> Elevation 3066

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	22S	27E		990	NORTH	660	WEST	Eddy

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> 	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Robert Wadley Printed Name Regulatory Analyst Title 8/9/2001 Date			
	<sup>18</sup> 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.			
	Date of Survey Signature and Seal of Professional Surveyor:			
	Certificate Number			

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**


<sup>1</sup> API Number 3001525254	<sup>2</sup> Pool Code 74040	<sup>3</sup> Pool Name Cortisbad STRAWN
<sup>4</sup> Property Code 002063	<sup>5</sup> Property Name DUNN	
<sup>7</sup> OGRID No. 199530	<sup>8</sup> Operator Name Bird Creek LLC	<sup>6</sup> Well Number 1
		<sup>9</sup> Elevation 3066

<sup>10</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	22S	27E		990	NORTH	660	WEST	Eddy

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.

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	Date of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	

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## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 3001525254	<sup>2</sup> Pool Code 82360	<sup>3</sup> Pool Name OTIS MORROW
<sup>4</sup> Property Code 002063	<sup>5</sup> Property Name DUNN	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 199530	<sup>8</sup> Operator Name Bird Creek, LLC	<sup>9</sup> Elevation 3066

<sup>10</sup> Surface Location

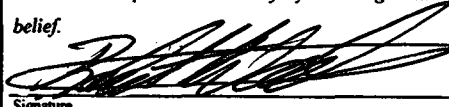
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	22S	27E		990	NORTH	660	WEST	Eddy

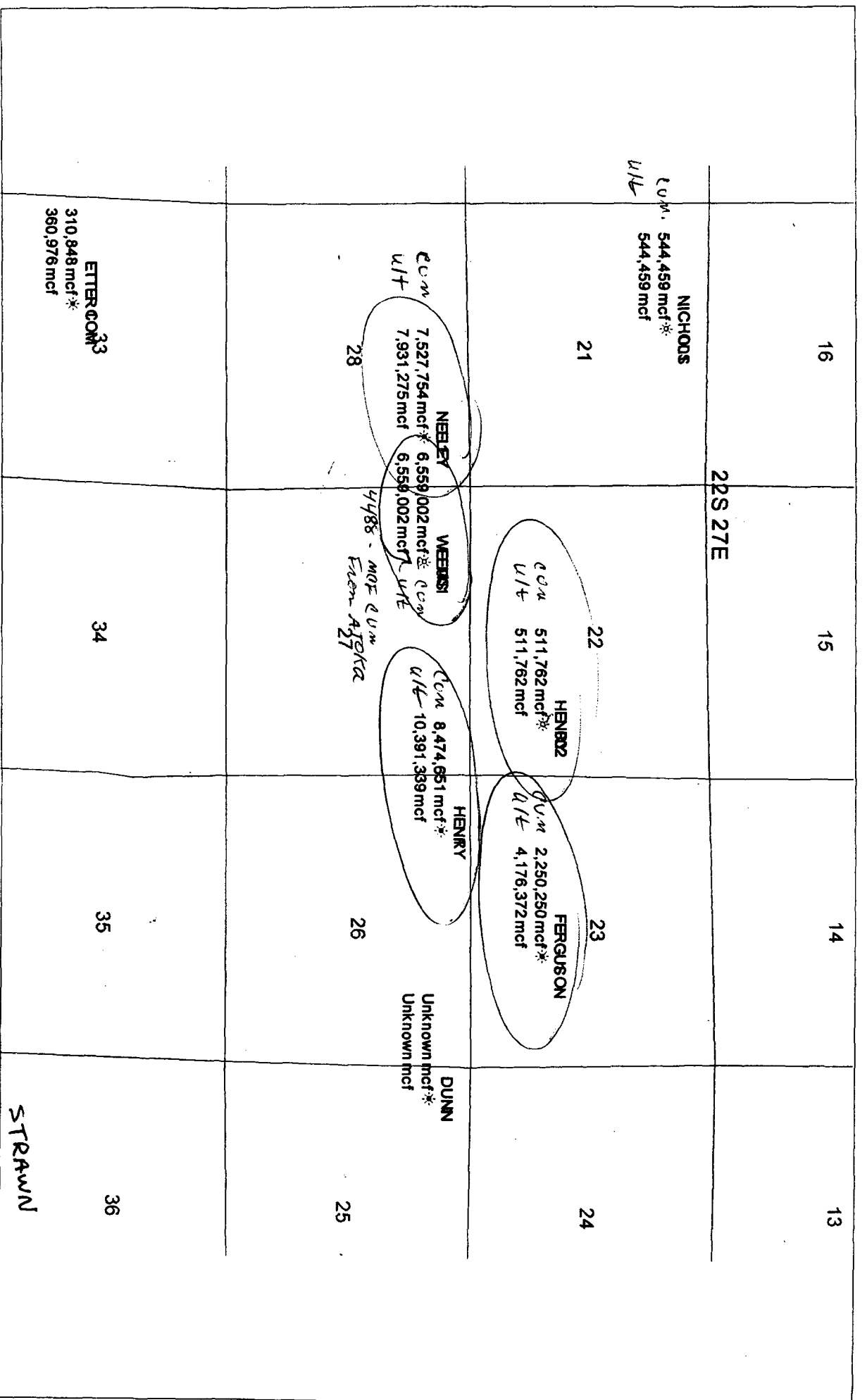
<sup>11</sup> Bottom Hole Location If Different From Surface

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

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				Date of Survey Signature and Seal of Professional Surveyor:
				Certificate Number



Lease Name: FERGUSON (1) Division of Interest: SANTA FE ENERGY RESOURCES INCORPORATED

Operator: EDDY, NM Initial WI: 100.000000 NRI Burden ORI

County, ST: CARLSBAD Reversion Type: None Oil: 80.000000 0.000000

Reservoir: STRAWN Reversion Value: None Gas: 80.000000 0.000000

Lease Status: Active Reversion Date: None Injection: 0.000000 0.000000

Lease Type: Gas Lease Lease Type: Proved

Quarter Quarter: 23 22S 27E Investments: Initial: Leasehold: Amount Type Carryover Salvage Depreciation

Location: 30-015-253000000 Tangible: 0.00 Gross No 0.00 None

Lease API: 10/0085 Intangible: 0.00 Gross None

Production Start: 02/2001 Forecasts: Curve Type Date Rate Decline N Factor

Production End: Monthly: 1000.00 \$ Escalation Oil Segment 01 Exponential 12/1985 - 06/2001 756 11.8425 0.000000

Expenses: Per Well: 0.00 \$ None Gas Segment 01 Exponential 10/1986 - 08/2001 61,359 9.1927 0.000000

Oil: 0.00 \$/Bbl None Water Segment 01 Exponential 12/1985 - 04/2001 4,599 16.5913 0.000000

Gas: 0.00 \$/Mcf None Injection: 0.00 \$/Bbl None

Prices: Price - Price Content/ Price Adjustment Name Escalation

Oil: 24.00 1.0000 0.0000 None

Gas: 3.50 1.0000 0.0000 None

Injection: 0.00 1.0000 0.0000 None

Economics Information: Net Payout Date: 06/2001 Economic Dates: Effective Date: 06/2001

Rate of Return: >100 % Calculated Limit: 09/2039

Return on Investment: 0.00 460 Months

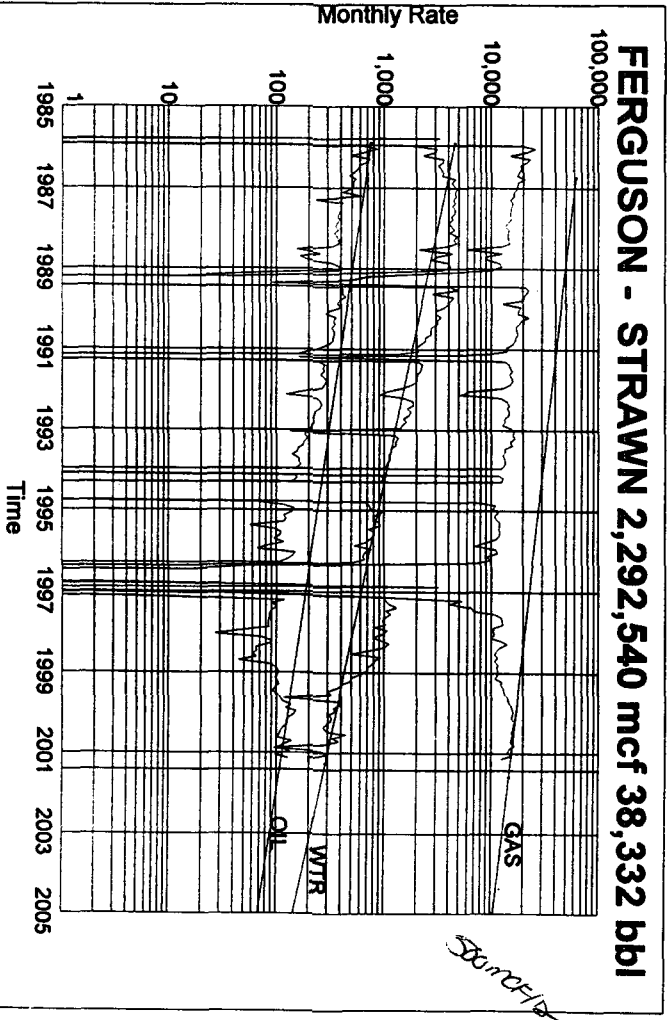
Disc Return on Invest: 0.00 38 Years 4 Months

Economics Summary:

Ultimate Gross	Bbl Oil	Mcf Gas
Prior Gross	48,948	4,171,908
Gross at Eff Date	38,332	2,292,540
Remaining Gross	38,662	2,338,187
Remaining Net	10,286	1,833,720
	8,229	1,466,976

Discounted Values:

0 %	4,470,774	2,213,775	22 %	1,582,622
5 %	3,134,120	1,972,200	25 %	1,463,036
8 %	2,656,734	1,781,628	30 %	1,303,404
10 %	2,413,945	1,675,544		





**Lease Name:** HENRY (1)  
**Operator:** SANTA FE ENERGY RESOURCES INCORPORATED  
**County, ST:** EDDY, NM  
**Field Name:** CARLSBAD  
**Reservoir:** STRAWN  
**Lease Status:** Active  
**Lease Type:** Gas Lease  
**Reserve Type:** Proved  
**Quarter Quarter:**  
**Location:** 26 22S 27E  
**Lease API:** 30-015-250330000  
**Production Start:** 04/0085  
**Production End:** 02/2001

**Division of Interest:**

**Initial** WI: 100.000000 NRI Burden ORI  
 Reversion Type: None Oil: 80.000000  
 Reversion Value: None Gas: 80.000000  
 Reversion Date: None Injection: 0.000000

**Investments:**

**Initial:**  
 Leasehold: Amount Type Carryover Salvage Depreciation  
 Tangible: 0.00 Gross No 0.00 None  
 Intangible: 0.00 Gross None

**Forecasts:**

Curve	Type	Date	Rate	Decline	N Factor
Oil Segment 01	Exponential	04/1998 - 07/2001	398	24.6778	0.000000
Gas Segment 01	Exponential	09/1998 - 07/2001	88,197	25.5855	0.000000
Water Segment 01	Exponential	04/1997 - 03/2002	24,089	17.0829	0.000000

**Expenses:**  
 Amount Escalation  
 Monthly: 1000.00 \$ None  
 Per Well: 0.00 \$ None  
 Oil: 0.00 \$/Bbl None  
 Gas: 0.00 \$/Mcf None  
 Water: 0.00 \$/Bbl None  
 Injection: 0.00 \$/Bbl None

**Prices:**

Price	BTU Content/	Price	Adjustment	Escalation
Oil: 24.00	Price Factor	1.0000	0.0000	None
Gas: 3.50		1.0000	0.0000	None
Injection: 0.00		1.0000	0.0000	None

**Economics Information:**

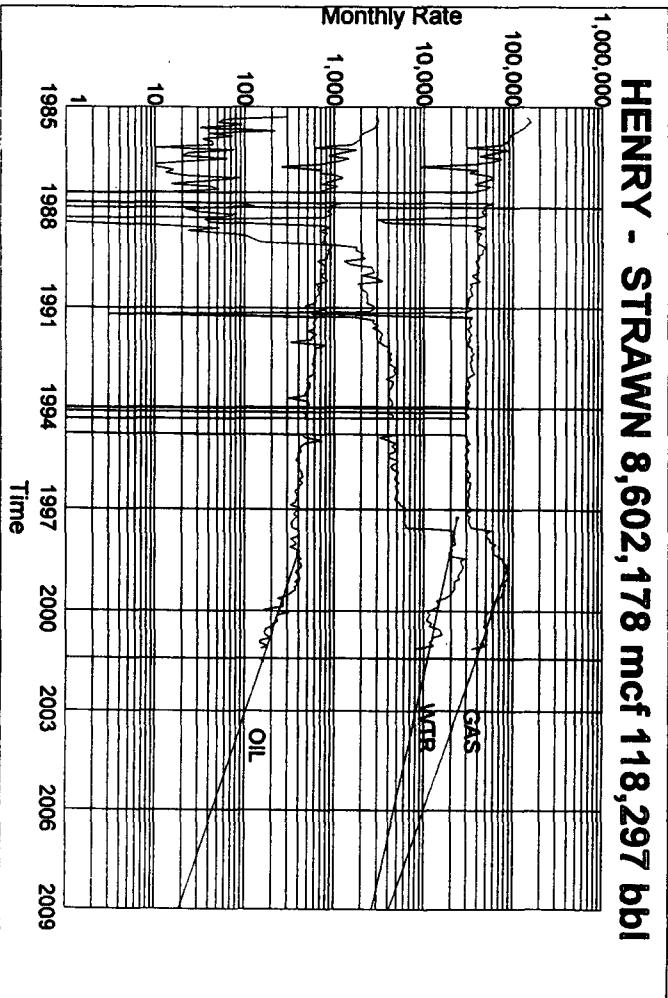
Net Payout Date: 06/2001  
 Rate of Return: >100 %  
 Return on Investment: 0.00  
 Disc Return on Invest: 0.00  
**Economic Dates:**  
 Effective Date: 06/2001  
 Calculated Limit: 08/2017  
 Economic Life: 195 Months  
 16 Years 3 Months

**Economics Summary:**

Ultimate Gross Bbl Oil 125,939 Mcf Gas 10,385,036  
 Prior Gross 118,297 8,602,178  
 Gross at Eff Date 118,812 8,726,740  
 Remaining Gross 7,126 1,658,295  
 Remaining Net 5,701 1,326,636

**Discounted Values:**

0 % 4,225,255 12 % 3,089,866 22 % 2,554,855  
 5 % 3,655,184 15 % 2,903,268 25 % 2,433,792  
 8 % 3,386,524 18 % 2,740,944 30 % 2,259,992  
 10 % 3,230,497 20 % 2,644,010



1666 mcf

Lease Name: HENRY (002)  
Operator: MERIT ENERGY COMPANY  
County, ST: EDDY, NM  
Field Name: CARLSBAD  
Reservoir: STRAWN  
Lease Status: Inactive  
Lease Type: Gas Lease  
Reserve Type: Proved  
Quarter Quarter:  
Location: 22 22S 27E  
Lease API: 30-015-252530000  
Production Start: 08/0085  
Production End: 06/1996

Division of Interest:  
Initial: WI: 100.000000  
Reversion Type: None  
Reversion Value: None  
Reversion Date: None  
Oil: 80.000000  
Gas: 80.000000  
Injection: 0.000000  
NRI  
Burden  
ORI  
Amount Type Carryover Salvage Depreciation  
Leasehold: 0.00 Gross No 0.00  
Tangible: 0.00 Gross 0.00  
Intangible: 0.00 Gross None None

Expenses:

Monthly: 1000.00 \$ Escalation None  
Per Well: 0.00 \$ None  
Oil: 0.00 \$/Bbl None  
Gas: 0.00 \$/Mcf None  
Water: 0.00 \$/Bbl None  
Injection: 0.00 \$/Bbl None

Forecasts:

Investments:

Initial:

Prices:

Price - BTU Content/ Escalation  
Price Factor Adjustment Name  
Oil: 24.00 1.0000 0.0000 None  
Gas: 3.50 1.0000 0.0000 None  
Injection: 0.00 1.0000 0.0000 None

Economics Information:

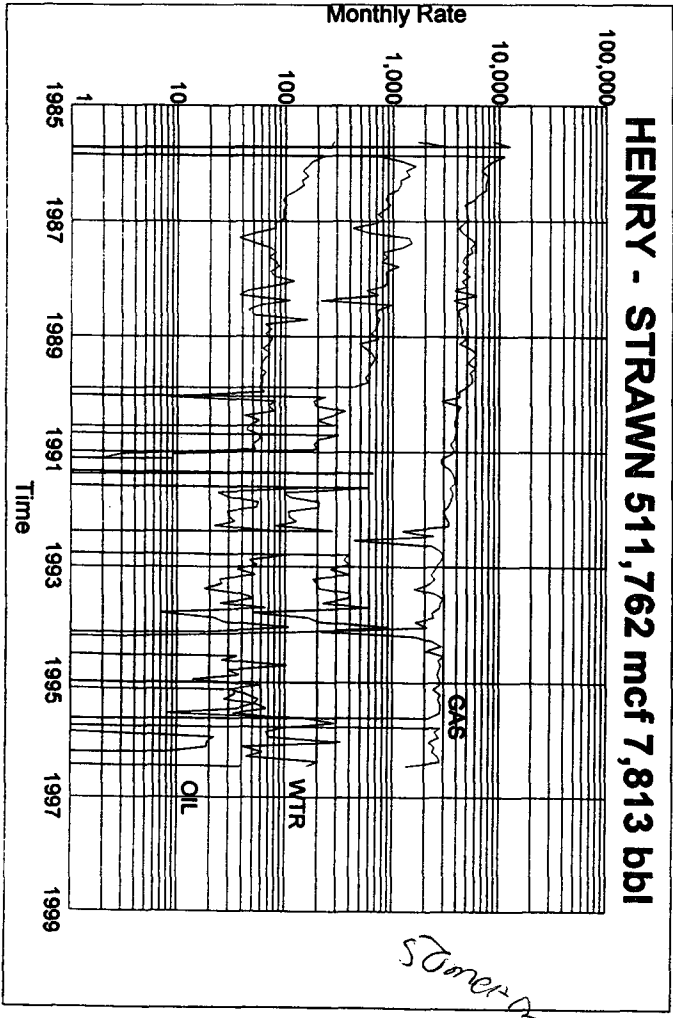
Net Payout Date: n/a  
Rate of Return: 0.00 %  
Return on Investment: 0.00  
Disc Return on Invest: 0.00  
Economic Dates: Effective Date 06/2001  
Calculated Limit n/a  
Economic Life 0 Months  
0 Years 0 Months

Economics Summary:

Ultimate Gross Bbl Oil 511,762  
Prior Gross 7,813 511,762  
Gross at Eff Date 7,813 511,762  
Remaining Gross 0  
Remaining Net 0

Discounted Values:

0 % 0 12 % 0 22 % 0  
5 % 0 15 % 0 25 % 0  
8 % 0 18 % 0 30 % 0  
10 % 0 20 % 0



<b>Lease Name:</b>	WEEMS (001)	<b>Division of Interest:</b>	SANTA FE ENERGY RESOURCES INCORPORATED
<b>Operator:</b>	SANTA FE ENERGY RESOURCES INCORPORATED	<b>Initial</b>	WI: 100.000000
<b>County, ST:</b>	EDDY, NM	<b>Reversion Type:</b>	None
<b>Field Name:</b>	CARLSBAD	<b>Reversion Value:</b>	None
<b>Reservoir:</b>	STRAWN	<b>Reversion Date:</b>	None
<b>Lease Status:</b>	Inactive	<b>Oil:</b>	80.000000
<b>Lease Type:</b>	Gas Lease	<b>Gas:</b>	80.000000
<b>Reserve Type:</b>	Proved	<b>Injection:</b>	0.000000
<b>Quarter Quarter:</b>		<b>Amount</b>	<b>Type</b>
<b>Location:</b>	27 22S 27E	<b>Carryover</b>	<b>Salvage</b>
<b>Lease API:</b>	30-015-248270000	0.00	0.00
<b>Production Start:</b>	09/0084	<b>No</b>	<b>Depreciation</b>
<b>Production End:</b>	01/1995	0.00	None
		<b>Gross</b>	<b>None</b>
		<b>Gross</b>	<b>None</b>

**Forecasts:**

<b>Expenses:</b>	<b>Amount</b>	<b>Escalation</b>	<b>Curve</b>	<b>Type</b>	<b>Date</b>	<b>Rate</b>	<b>Decline</b>	<b>N Factor</b>
<b>Monthly:</b>	1000.00 \$	None						
<b>Per Well:</b>	0.00 \$	None						
<b>Oil:</b>	0.00 \$/Bbl	None						
<b>Gas:</b>	0.00 \$/Mcf	None						
<b>Water:</b>	0.00 \$/Bbl	None						
<b>Injection:</b>	0.00 \$/Bbl	None						

**Prices:**

<b>Oil:</b>	24.00	<b>Price</b>	1.0000	<b>BTU Content/</b>	<b>Price</b>	<b>Escalation</b>
<b>Gas:</b>	3.50	<b>Price Factor</b>	1.0000	<b>Adjustment</b>	0.0000	None
<b>Injection:</b>	0.00		1.0000		0.0000	None

**Economics Information:**

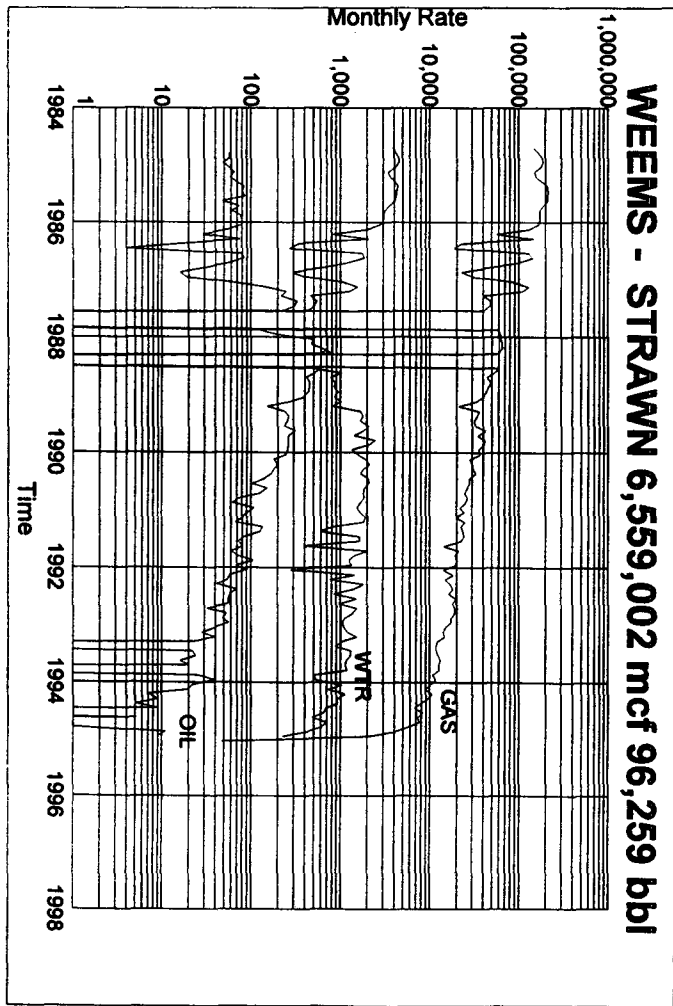
<b>Net Payout Date:</b>	n/a	<b>Economic Dates:</b>	06/2001
<b>Rate of Return:</b>	0.00 %	<b>Effective Date</b>	n/a
<b>Return on Investment:</b>	0.00	<b>Calculated Limit</b>	0 Months
<b>Disc Return on Invest:</b>	0.00	<b>Economic Life</b>	0 Years 0 Months

**Economics Summary:**

<b>Ultimate Gross</b>	96,259	<b>Bbl Oil</b>	6,559,002
<b>Prior Gross</b>	96,259	<b>Mcf Gas</b>	6,559,002
<b>Gross at Eff Date</b>	96,259		6,559,002
<b>Remaining Gross</b>	0		0
<b>Remaining Net</b>	0		0

**Discounted Values:**

0 %	0	12 %	0	22 %	0
5 %	0	15 %	0	25 %	0
8 %	0	18 %	0	30 %	0
10 %	0	20 %	0		



Lease Name:

NEELEY (1)

Division of Interest:

Operator:

SANTA FE ENERGY RESOURCES INCORPORATED

County, ST:

EDDY, NM

Initial

WI: 100.000000

NRI

Burden

ORI

Field Name:

CARLSBAD SOUTH

Reservoir:

STRAWN

Lease Status:

Active

Lease Type:

Gas Lease

Reserve Type:

Proved

Quarter Quarter:

28 22S 27E

Location:

30-015-246030000

Lease API:

04/0084

Production Start:

02/2001

Production End:

Forecasts:

Investments:

Initial:

Leasehold:  
Tangible:  
Intangible:

Amount Type Carryover Salvage Depreciation  
0.00 Gross No 0.00 None  
0.00 Gross 0.00 None  
0.00 Gross None

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

Oil: 80.000000  
Gas: 80.000000  
Injection: 0.000000

0.000000  
0.000000  
0.000000

0.000000  
0.000000  
0.000000

Expenses:

Amount Escalation  
Monthly: 1000.00 \$ None  
Per Well: 0.00 \$ None  
Oil: 0.00 \$/Bbl None  
Gas: 0.00 \$/Mcf None  
Water: 0.00 \$/Bbl None  
Injection: 0.00 \$/Bbl None

Curve	Type	Date	Rate	Decline	N Factor
Oil Segment 01	Exponential	04/1984 - 12/2000	2,521	32.8980	0.000000
Gas Segment 01	Exponential	04/1984 - 01/2001	112,697	16.0205	0.000000
Water Segment 01	Exponential	01/1990 - 10/2001	491	31.2102	0.000000

Prices:

BTU Content/	Price	Escalation
Oil:	24.00	1.0000
Gas:	3.50	1.0000
Injection:	0.00	1.0000

Economics Information:

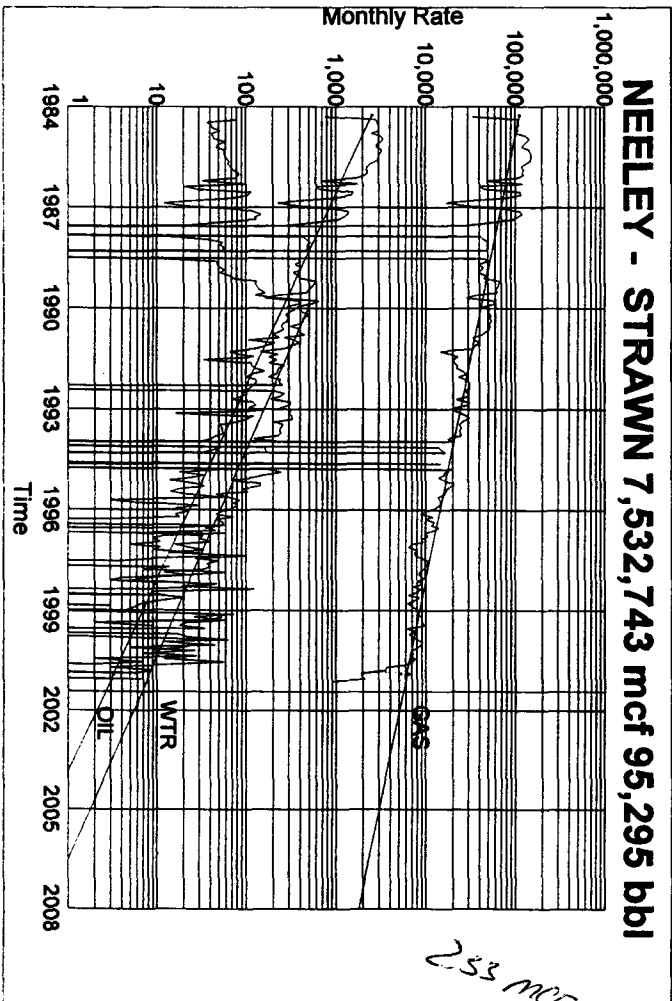
Net Payout Date: 06/2001  
Rate of Return: >100 %  
Return on Investment: 0.00  
Disc Return on Invest: 0.00  
Economic Dates:  
Effective Date: 06/2001  
Calculated Limit: 11/2016  
Economic Life: 186 Months  
15 Years 6 Months

Economics Summary:

	Bbl Oil	Mcf Gas
Ultimate Gross	95,387	7,917,979
Prior Gross	95,295	7,532,743
Gross at Eff Date	95,304	7,550,252
Remaining Gross	83	367,727
Remaining Net	67	294,182

Discounted Values:

0 %	767,490	12 %	521,844	22 %	414,612
5 %	641,419	15 %	483,741	25 %	391,242
8 %	583,855	18 %	451,197	30 %	358,309
10 %	551,028	20 %	432,041		



## Detailed Production Report

<b>Lease Name:</b>	<b>WEEMS</b>	<b>Well Number:</b>	<b>1</b>
<b>Lease Number:</b>	16676	<b>Cum Oil:</b>	12,819 since FEB 2000
<b>Operator Name:</b>	SANTA FE ENERGY RESOURCE	<b>Cum Gas:</b>	18,564
<b>State:</b>	NEW MEXICO	<b>Cum Water:</b>	92
<b>County:</b>	EDDY	<b>First Production Date:</b>	MAR 1999
<b>Field:</b>	OTIS	<b>Last Production Date:</b>	MAR 2000
<b>Sec Twn Rng:</b>	27 22S 27E	<b>Spot:</b>	
<b>Latitude/Longitude:</b>	32.36799 -104.18104	<b>Lat/Long Source:</b>	US
<b>Regulatory #:</b>	16676	<b>Completion Date:</b>	MAR 22, 1999
<b>API:</b>	30015248270000	<b>Total Depth:</b>	
<b>Production ID:</b>	2300220152482796891	<b>Upper Perforation:</b>	11128
<b>Reservoir Name:</b>	ATOKA PENN	<b>Lower Perforation:</b>	11134
<b>Prod Zone:</b>	ATOKA	<b>Gas Gravity:</b>	
<b>Prod Zone Code:</b>	403ATOK	<b>Oil Gravity:</b>	
<b>Basin Name:</b>	PERMIAN BASIN	<b>Temp Gradient:</b>	
<b>Gas Gatherer:</b>		<b>N Factor:</b>	0.0
<b>Liquid Gatherer:</b>		<b>GOR:</b>	
<b>Status:</b>	ACTIVE		

### Annual Production

Year	Oil BBLs	Gas MCF	Water BBLs
Beginning			
Cum:			
1999		4,488	14
2000	12,819	14,076	78
Totals:	12,819	18,564	92

### Monthly Production

Date MO/YR	Oil BBLs	Gas MCF	Water BBLs	Cond Yld BBLs/MCF	% Water	# of Wells	Days on
MAR 1999		1,439	7			1	21
APR 1999		1,331	0			1	30
MAY 1999		360	0			1	31
JUN 1999		180	0			1	30
JUL 1999		360	0			1	30
AUG 1999		188	0			1	30
SEP 1999		113	0			1	30
OCT 1999		44	0			1	31
NOV 1999		129	7			1	30
DEC 1999		344	0			1	31
Totals:	0	4488					

Lease Name: DUNN (1)  
Operator: BIRD CREEK RESOURCES INCORPORATED  
County, ST: EDDY, NM  
Field Name: OTIS  
Reservoir: MORROW  
Lease Status: Active  
Lease Type: Gas Lease  
Reserve Type: Proved  
Quarter Quarter: 25 22S 27E  
Location: 30-015-252540000  
Lease API: 12/0085  
Production Start: 01/2001  
Production End:

Division of Interest: Initial  
WI: 100.000000  
NRI  
Burden  
ORI

Reversion Type: None  
Reversion Value: None  
Reversion Date: None  
Injection: 0.000000  
Oil: 80.000000  
Gas: 80.000000  
0.000000  
0.000000  
0.000000

Investments: Initial  
Leasehold: Amount Type Carryover Salvage Depreciation  
Tangible: 0.00 Gross No 0.00 None  
Intangible: 0.00 Gross None

Forecasts: Curve Type Date Rate Decline N Factor  
Oil Segment 01 Exponential 06/1989 - 10/1999 11 17.2270 0.000000  
Gas Segment 01 Exponential 04/1986 - 04/2001 3.275 6.5225 0.000000  
Water Segment 01 Exponential 12/1986 - 11/1999 81 16.7451 0.000000

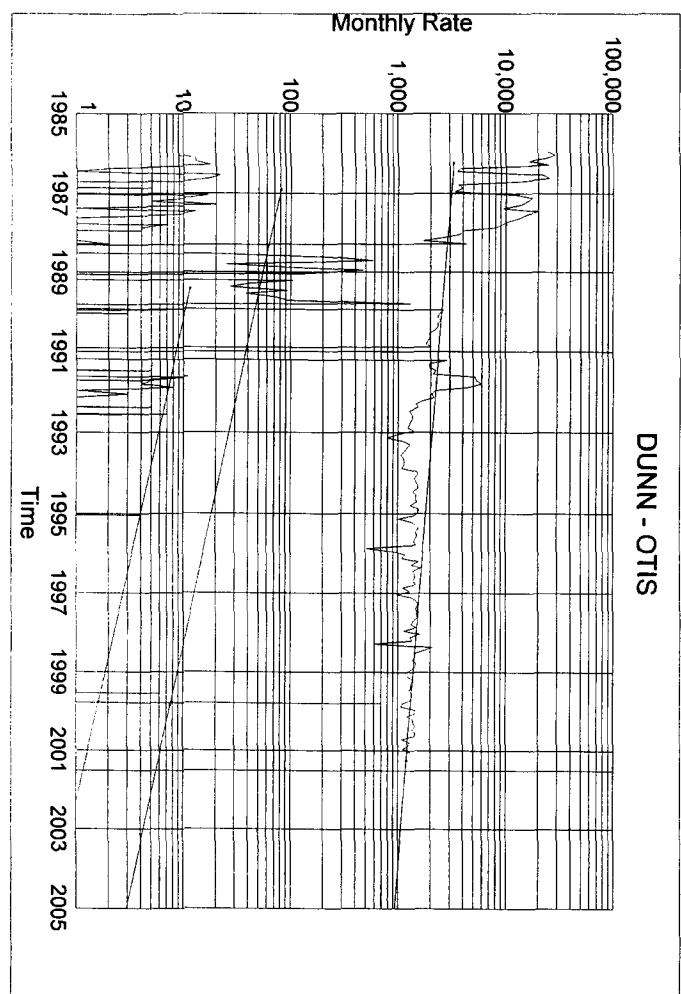
Expenses:	Amount	Escalation
Monthly:	1000.00	\$ None
Per Well:	0.00	\$ None
Oil:	0.00	\$/Bbl None
Gas:	0.00	\$/Mcf None
Water:	0.00	\$/Bbl None
Injection:	0.00	\$/Bbl None

Prices:	Price	BTU Content/ Price Factor	Adjustment	Escalation Name
Oil:	24.00	1.0000	0.0000	None
Gas:	3.00	1.0000	0.0000	None
Injection:	0.00	1.0000	0.0000	None

Economics Information: Net Payout Date: 07/2001  
Rate of Return: >100 %  
Return on Investment: 0.00  
Disc Return on Invest: 0.00  
Economic Dates: Effective Date: 07/2001  
Calculated Limit: 10/2015  
Economic Life: 172 Months  
14 Years 4 Months

Economics Summary: Ultimate Gross: 109 Bbl Oil  
Prior Gross: 32 Mcf Gas  
Gross at Eff Date: 38  
Remaining Gross: 71  
Remaining Net: 57

Discounted Values:	0 %	12 %	76,140	22 %	58,597
	117,952	15 %	69,839	25 %	54,862
	96,282	18 %	64,514	30 %	49,662
	86,524	20 %	61,406		
	81,008				



OIL CONSERVATION DIVISION

TELEPHONE LOG

COMPANY NAME: Bird Creek

PROPERTY NAME: Dunn

RESPONSIBLE OFFICIAL: Robert Wadley

APPLICATION NUMBER: 12333 9957

NAME OF ENGINEER: Catanach

DATE CALLED: 8/28/01

TIME CALLED: 10:45 a.m.

NOTES: Will send requested info.

**Date Application Received:** S-17-01

**Date of Preliminary Review:** P-22-01  
**(Note: Must be within 10-days of received date)**

**Results:** \_\_\_\_\_ **Application Complete** X **Application Incomplete**

**Date Incomplete Letter Sent:** P-22-01

**Deadline to Submit Requested Information:** P-29-01 - Recd

**Phone Call Date:** 8/28/01  
**(Note: Only applies if requested data is not submitted within the 7-day deadline)**

**Phone Log Completed?** X **Yes** \_\_\_\_\_ **No**

**Date Application Processed:** 8/28/01

**Date Application Returned:** \_\_\_\_\_  
**(Note: Only as a last resort & only after repeated attempts by the Division to obtain the necessary information to process the application)**