

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-140
Originated 11/1/95

Submit Original
Plus 2 Copies
to appropriate
District Office

H-0402 11/24 11/24

APPLICATION FOR
QUALIFICATION OF WELL WORKOVER PROJECT
AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION AND ALL ATTACHMENTS MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

- I. Operator: Mitchell Energy Corporation OGRID #: 015025
Address: P.O. Box 4000, The Woodlands, TX 77307-4000
Contact Party: Mark N. Stephenson Phone: 713-377-5813
- II. Name of Well: Geronimo Federal Well No. 1 API #: 30-025-30645
Location of Well: Unit Letter D, 660 Feet from the North line and 660 feet from the West line,
Section 31, Township 19S, Range 33E, NMPM, Lea County
- III. Date Workover Procedures Commenced: 10-3-97
Date Workover Procedures were Completed: 10-21-97
- IV. Attach a description of the Workover Procedures undertaken to increase the projection from the Well.
- V. Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.
- VI. Pool(s) on which Production Projection is based:

VII. AFFIDAVIT:

State of Texas)
County of Montgomery) ss.

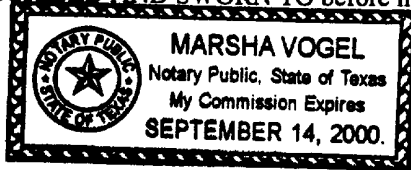
Maryann Fuchs, being first duly sworn, upon oath states:

1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

Maryann C. Fuchs Maryann C. Fuchs
(Name)
Staff Reservoir Engineer 713-377-6951
(Title)

MS

SUBSCRIBED AND SWORN TO before me this 17th day of November, 1997.



Marsha Vogel
Marsha Vogel
Notary Public

My Commission expires: September 14, 2000

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of 10-21-97, 1997.

[Signature]
District Supervisor, District 1
Oil Conservation Division

Date: 11/24/97

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: _____



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

ADMINISTRATIVE ORDER DHC-1665

Mitchell Energy Corporation
P.O. Box 4000
The Woodlands, Texas 77387-4000

RECEIVED

SEP 18 1997

Attention: Mr. George Mullen

*Geronimo Federal Well No. 1
API No. 30-025-30645
Unit D, Section 31, Township 19 South, Range 33 East, NMPM,
Lea County, New Mexico.
Geronimo-Delaware (27400) and
Gem-Bone Spring (27220) Pools*

Dear Mr. Mullen:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303.C., the daily allowable producing rates from the subject well are hereby established as follows:

Oil 187 B/D

Gas 374 MCF/D

Water 374 B/D

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Geronimo-Delaware Pool	Oil 34%	Gas 34%
Gem-Bone Spring Pool	Oil 66%	Gas 66%

Administrative Order DHC-1665

Mitchell Energy Corporation

September 12, 1997

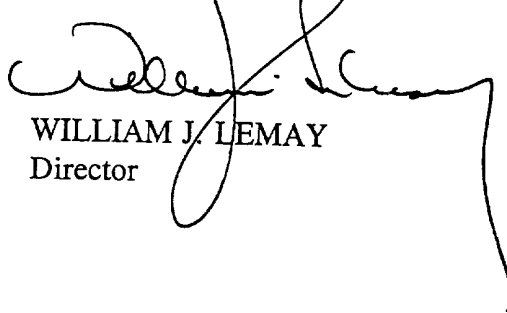
Page 2

REMARKS: The operator shall notify the Hobbs District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303.H., the commingling authority granted herein may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 12th day of September, 1997.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

WJL/DRC

cc: Oil Conservation Division - Hobbs
Bureau of Land Management-Carlsbad

GERONIMO FEDERAL 1
 API 30-025-30645 D-31-19S-33E
 GERONIMO / DELAWARE LEA, NM

100000
 10000

10000
 1000

1000
 100

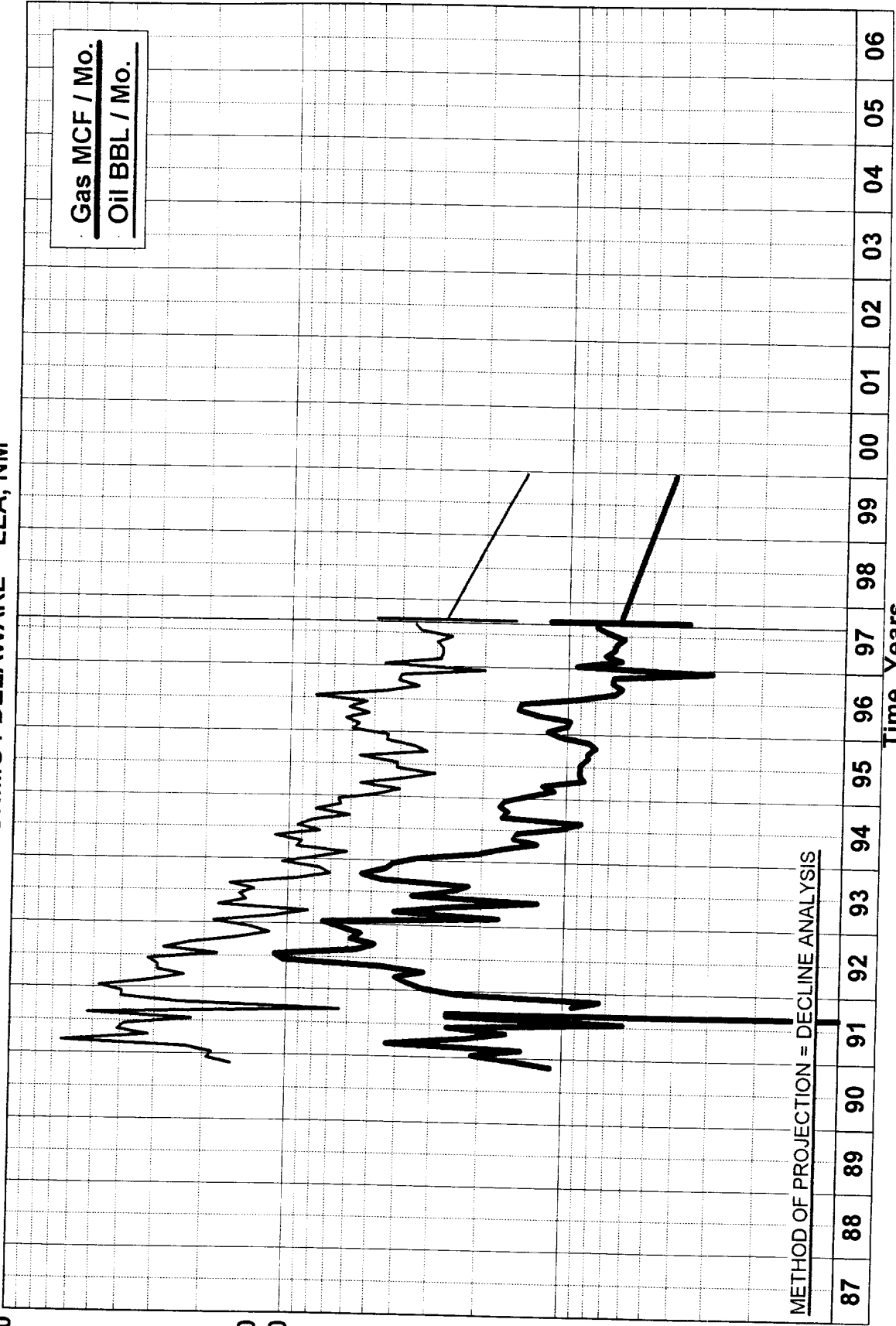
100
 10

METHOD OF PROJECTION = DECLINE ANALYSIS

Gas MCF / Mo.
 Oil BBL / Mo.

87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06
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Time, Years



Geronimo Federal 1
Geronimo / Delaware Field
Lea County, New Mexico
Operated by Mitchell Energy Corporation
Historical Production Through August 1997 With Projection

API 30-025-30645
Location D-31-19S-33E

<u>Date</u>	<u>Monthly Oil Prod. Hist. Bbl</u>	<u>Monthly Oil Prod. Proj. Bbl</u>	<u>Cum. Oil Prod. Bbl</u>	<u>Monthly Gas Prod. Hist. Mcf</u>	<u>Monthly Gas Prod. Proj. Mcf</u>	<u>Cum. Gas Prod. Mcf</u>
Jan-90	0		0	0		0
Feb-90	0		0	0		0
Mar-90	0		0	0		0
Apr-90	0		0	0		0
May-90	0		0	0		0
Jun-90	0		0	0		0
Jul-90	0		0	0		0
Aug-90	0		0	0		0
Sep-90	0		0	0		0
Oct-90	0		0	0		0
Nov-90	1,568		1,568	1,100		1,100
Dec-90	<u>1,927</u>		<u>3,495</u>	<u>1,469</u>		<u>2,569</u>
	1,927			1,469		
Jan-91	1,846		5,341	2,103		4,672
Feb-91	2,302		7,643	1,411		6,083
Mar-91	6,448		14,091	4,309		10,392
Apr-91	3,155		17,246	2,227		12,619
May-91	4,060		21,306	1,598		14,217
Jun-91	3,853		25,159	2,603		16,820
Jul-91	2,202		27,361	607		17,427
Aug-91	5,217		32,578	2,622		20,049
Sep-91	641		33,219	80		20,129
Oct-91	2,447		35,666	924		21,053
Nov-91	3,943		39,609	742		21,795
Dec-91	<u>3,943</u>		<u>43,552</u>	<u>2,417</u>		<u>24,212</u>
	40,057			21,643		
Jan-92	4,748		48,300	3,199		27,411
Feb-92	3,161		51,461	3,627		31,038
Mar-92	2,354		53,815	4,046		35,084
Apr-92	2,930		56,745	3,205		38,289
May-92	2,939		59,684	4,518		42,807
Jun-92	3,180		62,864	10,276		53,083
Jul-92	1,781		64,645	11,038		64,121
Aug-92	2,790		67,435	5,594		69,715
Sep-92	2,247		69,682	4,827		74,542
Oct-92	1,510		71,192	5,867		80,409
Nov-92	1,155		72,347	5,449		85,858
Dec-92	<u>1,353</u>		<u>73,700</u>	<u>6,274</u>		<u>92,132</u>
	30,148			67,920		

Geronimo Federal 1
Geronimo / Delaware Field
Lea County, New Mexico
Operated by Mitchell Energy Corporation
Historical Production Through August 1997 With Projection

API 30-025-30645
Location D-31-19S-33E

<u>Date</u>	<u>Monthly Oil Prod. Hist. Bbl</u>	<u>Monthly Oil Prod. Proj. Bbl</u>	<u>Cum. Oil Prod. Bbl</u>	<u>Monthly Gas Prod. Hist. Mcf</u>	<u>Monthly Gas Prod. Proj. Mcf</u>	<u>Cum. Gas Prod. Mcf</u>
Jan-93	1,840		75,540	7,393		99,525
Feb-93	1,109		76,649	1,728		101,253
Mar-93	841		77,490	4,110		105,363
Apr-93	1,775		79,265	2,649		108,012
May-93	1,410		80,675	1,256		109,268
Jun-93	1,488		82,163	3,543		112,811
Jul-93	1,321		83,484	2,532		115,343
Aug-93	1,616		85,100	2,231		117,574
Sep-93	930		86,030	4,608		122,182
Oct-93	704		86,734	5,391		127,573
Nov-93	768		87,502	4,438		132,011
Dec-93	1,044		88,546	4,175		136,186
	14,846			44,054		
Jan-94	781		89,327	3,410		139,596
Feb-94	616		89,943	2,062		141,658
Mar-94	933		90,876	1,680		143,338
Apr-94	893		91,769	1,269		144,607
May-94	1,117		92,886	1,535		146,142
Jun-94	772		93,658	1,494		147,636
Jul-94	923		94,581	1,044		148,680
Aug-94	822		95,403	884		149,564
Sep-94	606		96,009	1,692		151,256
Oct-94	797		96,806	1,623		152,879
Nov-94	650		97,456	1,733		154,612
Dec-94	663		98,119	1,662		156,274
	9,573			20,088		
Jan-95	479		98,598	1,377		157,651
Feb-95	400		98,998	1,110		158,761
Mar-95	552		99,550	1,217		159,978
Apr-95	392		99,942	867		160,845
May-95	299		100,241	896		161,741
Jun-95	410		100,651	899		162,640
Jul-95	410		101,061	894		163,534
Aug-95	558		101,619	845		164,379
Sep-95	320		101,939	839		165,218
Oct-95	356		102,295	790		166,008
Nov-95	447		102,742	838		166,846
Dec-95	443		103,185	1,059		167,905
	5,066			11,631		

Geronimo Federal 1
Geronimo / Delaware Field
Lea County, New Mexico
Operated by Mitchell Energy Corporation
Historical Production Through August 1997 With Projection

API 30-025-30645
Location D-31-19S-33E

<u>Date</u>	<u>Monthly Oil Prod. Hist. Bbl</u>	<u>Monthly Oil Prod. Proj. Bbl</u>	<u>Cum. Oil Prod. Bbl</u>	<u>Monthly Gas Prod. Hist. Mcf</u>	<u>Monthly Gas Prod. Proj. Mcf</u>	<u>Cum. Gas Prod. Mcf</u>
Jan-96	595		103,780			
Feb-96	564		104,344	1,176		169,081
Mar-96	631		104,975	1,003		170,084
Apr-96	523		105,498	980		171,064
May-96	612		106,110	1,280		172,344
Jun-96	533		106,643	1,502		173,846
Jul-96	810		107,453	1,471		175,317
Aug-96	457		107,910	907		176,224
Sep-96	346		108,256	677		176,901
Oct-96	409		108,665	640		177,541
Nov-96	400		109,065	692		178,233
Dec-96	200		109,265	684		178,917
	<u>6,080</u>			<u>302</u>		179,219
				11,314		
Jan-97	459		109,724			
Feb-97	289		110,013	931		180,150
Mar-97	284		110,297	646		180,796
Apr-97	284		110,581	735		181,531
May-97	298		110,879	684		182,215
Jun-97	263		111,142	673		182,888
Jul-97	342		111,484	632		183,520
Aug-97	358		111,842	717		184,237
Sep-97	0	277	111,842	792		185,029
Oct-97	0	270	112,119	0	652	185,681
Nov-97	0	264	112,389	0	642	186,323
Dec-97	0	257	112,653	0	632	186,955
	<u>2,577</u>	<u>1,068</u>	112,910	<u>0</u>	<u>621</u>	187,577
				5,810	2,548	
Jan-98	0	251	113,161	0	611	188,188
Feb-98	0	245	113,407	0	602	188,790
Mar-98	0	240	113,646	0	592	189,382
Apr-98	0	234	113,880	0	582	189,964
May-98	0	228	114,109	0	573	190,537
Jun-98	0	223	114,332	0	564	191,101
Jul-98	0	218	114,549	0	555	191,656
Aug-98	0	213	114,762	0	546	192,201
Sep-98	0	208	114,969	0	537	192,738
Oct-98	0	203	115,172	0	528	193,267
Nov-98	0	198	115,370	0	520	193,787
Dec-98	0	193	115,563	0	511	194,298
	<u>0</u>	<u>2,653</u>		<u>0</u>	<u>6,721</u>	

Geronimo Federal 1
Geronimo / Delaware Field
Lea County, New Mexico
Operated by Mitchell Energy Corporation
Historical Production Through August 1997 With Projection

API 30-025-30645
Location D-31-19S-33E

<u>Date</u>	<u>Monthly Oil Prod. Hist. Bbl</u>	<u>Monthly Oil Prod. Proj. Bbl</u>	<u>Cum. Oil Prod. Bbl</u>	<u>Monthly Gas Prod. Hist. Mcf</u>	<u>Monthly Gas Prod. Proj. Mcf</u>	<u>Cum. Gas Prod. Mcf</u>
Jan-99	0	189	115,751	0	503	194,801
Feb-99	0	184	115,935	0	495	195,296
Mar-99	0	180	116,115	0	487	195,784
Apr-99	0	175	116,291	0	479	196,263
May-99	0	171	116,462	0	472	196,734
Jun-99	0	167	116,629	0	464	197,198
Jul-99	0	163	116,792	0	457	197,655
Aug-99	0	159	116,952	0	449	198,104
Sep-99	0	156	117,107	0	442	198,546
Oct-99	0	0	117,107	0	0	198,546
Nov-99	0	0	117,107	0	0	198,546
Dec-99	0	0	117,107	0	0	198,546
	<u>0</u>	<u>1,545</u>		<u>0</u>	<u>4,248</u>	

DRILLING, WORKOVERS & PRODUCTION DATA

GERONIMO	Perfs	Geronimo Federal #1
Lea County, NM	7510-666' (58 holes)	AFE/LW: B6840/05023-01
TD: 10,564'		WI: 100%
PBTD: 9210'		13 3/8" @ 1298'
		8 5/8" @ 3355'
		5 1/2" @ 10,562'

OBJECTIVE: AFE: \$35,000
 Commingle Bone Springs & Delaware

DATE : 10/03/97
DC : \$ 1300 CUM : \$ 1300
Activity :
Daily Details:
 MIRU WOU. POOH W/2' X 1" PONY ROD, 67-1" RODS & 56-7/8" ROD. SECURED WELL; SDFN.

DATE : 10/04/97
DC : \$ 2400 CUM : \$ 3700
Activity :
Daily Details:
 STRIPPING RODS & TBG OOH. LD PUMP, 1 1/4" X 8' SAND GUARD MISSING OFF BTM OF PUMP. SECURED WELL; SDFN.

DATE : 10/05/97
DC : \$ 2400 CUM : \$ 6100
Activity :
Daily Details:
 RIH W/4 3/4" IMPRESSION BLOCK, 2 JTS 2 7/8" 6.5# N-80 TBG & SPLIT BULL PLUG ON SAND LINE. TAGGED @ 7879' (DEPTH OMETER). POOH - NO IMPRESSION ON BTM OF IMPRESSION BLOCK; MARKS ON ONE SIDE. RIH W/4-1/16" OVERSHOT, 2 JTS 2 7/8" 6.5# N-80 TBG & SPLIT BULL PLUG ON SAND LINE. TAGGED @ 7879'. ATTEMPTED TO WORK OVERSHOT OVER SAND GUARD. POOH. ATTEMPT TO CATCH SAND GUARD - FAILED. RIH W/4-11/16" OVERSHOT & 256 JTS 7 7/8" 6.5# N-80 TBG. TAGGED @ 7879'. PUMPED 480 BFSW. UNABLE TO CIRC WELL. ENGAGED OVERSHOT. POOH W/256 JTS 2 7/8" 6.5# N-80 TBG. LD OVERSHOT & 1 1/4" SAND GUARD. SECURED WELL; SDFN.

DATE : 10/06/97
DC : \$ 4730 CUM : \$ 12,720
Activity :
Daily Details:
 RIH W/2 7/8" NOTCHED COLLAR, FLAPPER, 39 JTS 2 7/8" 6.5# N-80 TBG, 3 3/4" HYDROSTATIC BAILER & 217 JTS 2 7/8" 6.5# N-80 TBG. TAGGED @ 7884'. PUMPED 180 BFSW @ 3 BPM 0 PSI WHILE WORKING BAILER. CLEANED CSG OUT TO 7899'. POOH W/218 JTS 2 7/8" 6.5# N-80 TBG, 3 3/4" BAILER, 39 JTS 2 7/8" 6.5# N-80 TBG. REC'D DELAWARE SAND & FRAC SAND (2 NOTCHES ON COLLAR BENT OUTWARD). RIH W/4 3/4" BIT, X-OVER SUB, 39 JTS 2 7/8" 6.5# N-80 TBG, 3 3/4" HYDROSTATIC BAILER & 217 JTS 2 7/8" 6.5# N-80 TBG. TAGGED @ 7884'. PUMPED 235 BFSW @ 3 BPM 0 PSI WHILE WORKING BAILER. CLEANED OUT CSG 7884-7935'. POOH W/24 JTS 2 7/8" 6.5# N-80 TBG. SECURED WELL; SDFN.

DATE : 10/07/97
DC : \$ 5180 CUM : \$ 17900
Activity :
Daily Details:
 REPAIR RIG. POOH W/194 JTS 2 7/8" 6.5# N-80 TBG, 3 3/4" HYDROSTATIC BAILER, 39 JTS 2 7/8" 6.5# TBG & 4 3/4" BIT. RIH W/4 3/4" GLOBE BASKET, 12' 4 1/2" WASH PIPE & 256 JTS 2 7/8" 6.5# N-80 TBG. TAGGED @ 7935'. PU POWER SWIVEL. DRY DRLD 7935-7947'. LD SWIVEL. POOH W/256 JTS 2 7/8" N-80 TBG, 12' 4 1/2" WASH PIPE & 4 3/4" GLOBE BASKET. NO RECOVERY. OD OF SHOE WORN. SECURED WELL; SDFN.

DATE : 10/08/97
DC : \$ 4880 CUM : \$ 22780
Activity :
Daily Details:
 RIH W/4 3/4" MILL SHOE, X-OVER SUB. FLAPPER, 6 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG HYDROSTATIC BAILER & 250 JTS 2 7/8" 6.5# N-80 TBG. TAGGED @ 7947'. BAILED SAND 7947-8073'. POOH W/254 JTS 2 7/8" 6.5# N-80 TBG, BAILER, 6 JTS 2 7/8" 6.5# N-80 TBG, FLAPPER, X-OVER SUB & 4 3/4" MILL SHOE. REC'D FRAC SAND & 1 1/4" X 4' SAND SCREEN. RIH W/4 3/4" MILL SHOE W/FINGER CATCHERS, X-OVER SUB, 32 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG HYDROSTATIC BAILER & 228 JTS 2 7/8" 6.5# N-80 TBG. TAGGED SAND @ 8073'. BAILED SAND 8073-8124'. POOH W/20 JTS 2 7/8" 6.5# N-80 TBG. SECURED WELL; SDFN.

DRILLING, WORKOVERS & PRODUCTION DATA

GERONIMO	Perfs	Geronimo Federal #1
Lea County, NM	7510-666' (58 holes)	AFE/LW: B6840/05023-01
TD: 10,564'		WI: 100%
PBTD: 9210'		13 3/8" @ 1298'
		8 5/8" @ 3355'
		5 1/2" @ 10,562'

OBJECTIVE: AFE: \$35,000
 Commingle Bone Springs & Delaware

DATE : 10/09/97
MD : 10564 Progress : 0 DSS : 6 MW : 0.0 Visc : 0 WL : 0.00
DC : \$ 5610 CUM : \$ 28390
Activity :
 Daily Details:
 POOH W/210 JTS 2 7/8" 6.5# N-80 TBG, BAILER, 32 JTS 2 7/8" 6.5# N-80 TBG, X-OVER SUB W/FLAPPER & 4 3/4" MILL SHOE. REC'D FRAC SAND & PART OF A 1 1/4" COLLAR. RIH W/4 3/4" MILL SHOE W/CATCHER, X-OVER SUB, FLAPPER SUB, 32 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER & 230 JTS 2 7/8" 6.5# N-80 TBG. BAILED 8124-8131'. JARRED STUCK TBG FREE (80,000#). POOH W/231 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER, 32 JTS 2 7/8" 6.5# N-80 TBG, FLAPPER SUB, X-OVER SUB & 4 3/4" MILL SHOE. REC'D FRAC SAND & 1 1/4" SAND SCREEN. RIH W/4 3/4" MILL SHOE W/CATCHERS, 12' OF 4 1/2" WASH PIPE, X-OVER SUB, FLAPPER SUB, 32 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER & 168 JTS 2 7/8" 6.5# N-80 TBG. SECURED WELL; SDFN.

DATE : 10/10/97
MD : 10564 Progress : 0 DSS : 7 MW : 0.0 Visc : 0 WL : 0.00
DC : \$ 4950 CUM : \$ 33340
Activity :
 Daily Details:
 RIH W/63 JTS 2 7/8" 6.5# N-80 TBG. TAGGED SAND @ 8131'. BAILED SAND 8131-8302'. POOH W/237 JTS 6.5# N-80 TBG, BAILER, 32 JTS 2 7/8" 6.5# N-80 TBG, FLAPPER SUB, X-OVER SUB, 12' OF 4 1/2" WASH PIPE & 4 3/4" MILL SHOE. REC'D FRAC SAND & 1 1/4" SAND SCREEN. RIH W/4 3/4" BIT, BIT SUB, FLAPPER SUB, 32 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER & 238 JTS 2 7/8" 6.5# N-80 TBG. TAGGED SAND @ 8302'. BAILED 8302-8317'. TAGGED METAL. PU SWIVEL. ROTATED ON METAL. UNABLE TO MAKE HOLE. LD SWIVEL. POOH W/238 JTS 2 7/8" 6.5# N-80 TBG, BAILER, 32 JTS 2 7/8" 6.5# N-80 TBG, FLOAT SUB, BIT SUB & 4 3/4" BIT. SECURED WELL; SDON. (WILL RUN MILL SHOE & WASH PIPE W/BAILER IN AM.)

DATE : 10/11/97
MD : 10564 Progress : 0 DSS : 8 MW : 0.0 Visc : 0 WL : 0.00
DC : \$ 4840 CUM : \$ 38180
Activity :
 Daily Details:
 RIH W/4 3/4" MILL SHOE, 12' OF 4 1/2" WASH PIPE, X-OVER SUB, FLOAT SUB, 32 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER, 238 JTS 2 7/8" 6.5# N-80 TBG. TAGGED @ 8317'. PU SWIVEL. WASHED OVER JUNK . BAILED SAND 8317-8527'. LD SWIVEL. POOH W/245 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER, 32 JTS 2 7/8" 6.5# N-80 TBG, FLOAT SUB, X-OVER SUB, 12' OF 4 1/2" WASH PIPE & 4 3/4" MILL SHOE. REC'D FRAC SAND & JUNK METAL. RIH W/4 3/4" MILL SHOE, 12' OF 4 1/2" WASH PIPE, X-OVER SUB, FLOAT SUB, 32 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER & 245 JTS 2 7/8" 6.5# N-80 TBG. TAGGED @ 8527'. BAILED SAND 8527-8743'. POOH W/180 JTS 2 7/8" 6.5# N-80 TBG. SECURED WELL; SDFN.

DATE : 10/12/97
MD : 10564 Progress : 0 DSS : 9 MW : 0.0 Visc : 0 WL : 0.00
DC : \$ 6380 CUM : \$ 44560
Activity :
 Daily Details:
 POOH W/72 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER, 32 JTS 2 7/8" 6.5# N-80 TBG, FLOAT SUB, X-OVER SUB, 12' OF 4 1/2" WASH PIPE & 4 3/4" MILL SHOE. REC'D FRAC SAND. RIH W/4 3/4" MILL SHOE, 12' OF 4 1/2" WASH PIPE, X-OVER SUB, FLOAT SUB, 32 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER & 252 JTS 2 7/8" 6.5# N-80 TBG. TAGGED SAND @ 8743'. BAILED SAND 8743-8976'. POOH W/260 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER, 32 JTS 2 7/8" 6.5# N-80 TBG, FLOAT SUB, X-OVER SUB, 12' OF 4 1/2" WASHPIPE & 4 3/4" MILL SHOE. REC'D FRAC SAND. RIH W/4 3/4" MILL SHOE, 12' OF 4 1/2" WASH PIPE, X-OVER SUB, FLOAT SUB, 32 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER & 260 JTS 2 7/8" 6.5# N-80 TBG. TAGGED SAND @ 8976' BAILED SAND 8976-9221'. (TBG TALLEY.) POOH W/200 JTS 2 7/8" 6.5# N-80 TBG. SECURED WELL; SDFN.

DRILLING, WORKOVERS & PRODUCTION DATA

GERONIMO

Lea County, NM
TD: 10,564'
PBSD: 10,491'

Perfs

7510-7666' (58 holes)(Delaware)
9617-651' (1 spf); 9704-750' (1 spf);
9852-10,002' (23 holes)(Bone Springs)

Geronimo Federal #1

AFE/LW: B6840/05023-01
WI: 100%
13 3/8" @ 1298'
8 5/8" @ 3355'
5 1/2" @ 10,562'

AFE: \$35,000

OBJECTIVE: Commingle Bone Springs & Delaware

DATE : 10/13/97

MD : 10564 Progress : 0 DSS : 10 MW : 0.0 Visc : 0 WL : 0.00
DC : \$ 4840 CUM : \$ 49400

Activity :

Daily Details:

POOH W/58 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER, 32 JTS 2 7/8" 6.5# N-80 TBG, FLOAT SUB, X-OVER SUB, 12' OF 4 1/2" WASH PIPE & 4 3/4" MILL SHOE. REC'D FRAC SAND & CEMENT. RIH W/4 3/4" BIT, FLOAT SUB, 4-3 1/2" DC'S, 32 JTS 2 7/8" 6.5# N-80 TBG, BULL DOG BAILER & 256 JTS 2 7/8" 6.5# N-80 TBG. TAGGED @ 9221'. PU POWER SWIVEL. DRILD 9' CMT & CIBP. RIH W/46 JTS 2 7/8" 6.5# N-80 TBG TO 10,237'. (ALL TBG ON LOC.) POOH W/90 JTS 2 7/8" 6.5# N-80 TBG. SECURED WELL; SDFN.

DATE : 10/14/97

MD : 10564 Progress : 0 DSS : 11 MW : 0.0 Visc : 0 WL : 0.00
DC : \$ 2420 CUM : \$ 51820

Activity :

Daily Details:

FINISHED POOH W/202 JTS 2 7/8" 6.5# N-80 TBG, BAILER, 32 JTS 2 7/8" 6.5# N-80 TBG, 4-3 1/2" DC'S, FLOAT SUB & 4 3/4" BIT. RIH W/2 7/8" BULL PLUG, 4' X 2 7/8" PERF SUB, 1 JTS 2 7/8" N-80 TBG, 2 7/8" API SEATING NIPPLE, 82 JTS 2 7/8" 6.5# N-80 TBG, 5 1/2" TBG ANCHOR & 281 JTS 2 7/8" JTS 6.5# N-80 TBG. ND BOP. SET TA & LANDED TBG W/11,000# TENSION. NU WELL HEAD. RIH W/1 1/4" X 8' SAND GUARD FILTER, 2 1/2" X 1 1/2" X 26' RHBC PUMP, 154-3/4" NORRIS 97 RODS & 75-7/8" NORRIS 97 RODS. SECURED WELL; SDFN.

DATE : 10/15/97

MD : 10564 Progress : 0 DSS : 12 MW : 0.0 Visc : 0 WL : 0.00
DC : \$ 1760 CUM : \$ 53580

Activity :

Daily Details:

FINISHED RIH W/PUMP & RODS. SPACED RODS OUT & HUNG ON. RDMO WOU.

Tubing Detail

Elevaation	Length (')	Depth (')
241 jts 2 7/8" 6.5# N-80 tbg	17.00	
2 7/8" x 5 1/2" tbg anchor	7,450.29	17.00
82 jts 2 7/8" 6.5# N-80 tbg	3.80	7,450.29
2 7/8" SN	2,598.31	7,454.09
1 jt 2 7/8" 6.5# N-80 tbg	1.10	10,052.40
4' x 2 7/8" perf sub w/bull plug	31.23	10,053.50
EOT	4.19	10,084.73
		10,088.92

Rod Detail

1 1/4"x26' polish rod
6' x 1" pony rod
79-1" rods
167-7/8" rods
154-3/4" rods
2 1/2"x1 1/2"x26' RHBC
1 1/4"x8' sand guard filter

DATE : 10/16/97

DC : \$ 0 CUM : \$ 53580

Activity :

Daily Details:

F-20, FTP-300 PSI, 15 MCF, 11 BO, 174 BW, CP-10 PSI.

DATE : 10/17/97

DC : \$ 0 CUM : \$ 53580

Activity :

Daily Details:

F-24, FTP-200 PSI, 36 MCF, 77 BO, 144 BW, CP-12 PSI.

DRILLING, WORKOVERS & PRODUCTION DATA

GERONIMO	Perfs	Geronimo Federal #1
Lea County, NM	7510-7666' (58 holes)(Delaware)	AFE/LW: B6840/05023-01
TD: 10,564'	9617-651' (1 spf); 9704-750' (1 spf);	WI: 100%
PBTD: 10,491'	9852-10,002' (23 holes)(Bone Springs)	13¾" @ 1298'
		8¾" @ 3355'
		5½" @ 10,562'

OBJECTIVE: AFE: \$35,000
 Commingle Bone Springs & Delaware

DATE : 10/18-20/97
DC : \$ 0 CUM : \$ 53580
Activity :
 Daily Details:
 F-24, FTP-200 PSI, 58 MCF, 95 BO, 74 BW, CP-12 PSI.
 F-24, FTP-200 PSI, 58 MCF, 134 BO, 135 BW, CP-12 PSI.
 F-24, FTP-150 PSI, 52 MCF, 92 BO, 99 BW, CP-12 PSI.

DATE : 10/21/97
MD : 10564 Progress : 0 DSS : 13 MW : 0.0 Visc : 0 WL : 0.00
DC : \$ 1760 CUM : \$ 55340
Activity : FLOWING
 Daily Details:
 F-24, FTP-350 PSI, 47 MCF, 75 BO, 99 BW, CP-12 PSI. FINAL REPORT.