

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-0521

2/3

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: Nadel and Gussman Permian, L.L.C. OGRID #: 155615

Address: 601 N. Marienfeld, Suite 508, Midland, TX 79701

Contact Party: Joel Martin Phone: 915/682-4429

II. Name of Well: Big Lucky Lake Com. #2 API #: 30-005-0051700
Location of Well: Unit Letter I, 1980 Feet from the South line and 660 feet from the East line,
Section 30, Township 15S, Range 30E, NMPM, Chaves County

III. Date Workover Procedures Commenced: 6/22/98
Date Workover Procedures were Completed: 6/22/98

IV. Attach a description of the Workover Procedures undertaken to increase the production 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: Little Lucky Lake (Morrow)

VII. AFFIDAVIT:

State of Texas)

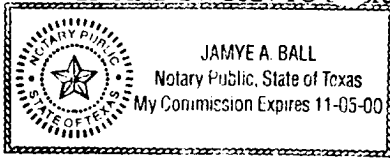
County of Midland) ss.

Joel Martin, 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.

Joel F. Martin
(Name) Joel F. Martin - Nadel and Gussman Permian, LLC
Engineering Manager
(Title)

SUBSCRIBED AND SWORN TO before me this 16th day of Nov., 1998



Jamye A. Ball
Notary Public

My Commission expires: _____

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 6-28, 1998

Paul J. Rauty
District Supervisor, District 1
Oil Conservation Division

Date: 12/3/98

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

DATE: _____

Well Name: Big Lucky Lake Fed Com #2
Sec. 30I-15S-30E
1980' FSL, 660' FEL
Chaves, NM

6/22/98 Rig up DA Daniel, Inc. To install downhole plunger lift. Set electronic controller/solar panel assembly, motor valve, and lubricator/catcher at surface. Tie surface assembly into flowline. Rig up slickline unit. Make gauge ring run, then set cupseat bumper spring assembly in seat nipple at 9936'. Drop hollow steel plunger and kick off well. Set well to open at 95 psig, with 30 minute flow period.

6/22/98 196 mcf/1.4 bw
6/23/98 230 mcf/1.4 bw
6/24/98 230 mcf/0 bw
6/25/98 226 mcf/0 bw
6/26/98 232 mcf/0 bw
6/27/98 215 mcf/0 bw
6/28/98 231 mcf/0 bw
6/29/98 231 mcf/0 bw

Workover successful. Drop well from report.

WHEEL AND GUSMAN PERMAN, LLC
 FORECAST OF PRODUCTION WITHOUT PLUNGER LIFT INSTALLATION

BIG LUC WAKE FED COM #2
 1980' FSL, 300' FEL
 SEC. 30K-15S-30E
 CHAVES, NM

FROM DECLINE CURVE (SEE ATTACHED), WITHOUT PLUNGER LIFT
 6/1/98 PRODUCTION = 118.8 MCFD (EQUATES TO 3564 MCF/MO WITHOUT DECLINE)
 DECLINE = 41.754%/YR

PLUNGER LIFT INSTALLED 6/22/98

MONTH	MCF/MO
Jun-98	3480
Jul-98	3358
Aug-98	3241
Sep-98	3127
Oct-98	3018
Nov-98	2912
Dec-98	2810
Jan-99	2712
Feb-99	2617
Mar-99	2525
Apr-99	2437
May-99	2352
Jun-99	2269
Jul-99	2190
Aug-99	2113
Sep-99	2039
Oct-99	1968
Nov-99	1899
Dec-99	1833
Jan-00	1768
Feb-00	1707
Mar-00	1647
Apr-00	1589
May-00	1534
Jun-00	1480
Jul-00	1428
Aug-00	1378
Sep-00	1330
Oct-00	1283
Nov-00	1238
Dec-00	1195
Jan-01	1153
Feb-01	1113
Mar-01	1074
Apr-01	1036
May-01	1000
Jun-01	965
Jul-01	931
Aug-01	899
Sep-01	867
Oct-01	837
Nov-01	808
Dec-01	779
Jan-02	752
Feb-02	726
Mar-02	700
Apr-02	676
May-02	652
Jun-02	629
Jul-02	607
Aug-02	586
Sep-02	566
Oct-02	546
Nov-02	527
Dec-02	508
Jan-03	490
Mar-03	473
Apr-03	457
May-03	441
Jun-03	425
Jul-03	410
Aug-03	396
Sep-03	382
Oct-03	369
Nov-03	356
Dec-03	343
Jan-04	331
Feb-04	320
Mar-04	309
Apr-04	298
May-04	287
Jun-04	277
Jul-04	268
Aug-04	258
Sep-04	249
Oct-04	241
Nov-04	232
Dec-04	224
Jan-05	216
Feb-05	209
Mar-05	201
Apr-05	194
May-05	187
Jun-05	181

NADEL AND GUSSMAN PERMIAN, LLC
 FORECAST OF PRODUCTION WITHOUT PLUNGER LIFT INSTALLATION

BIG LUCKY LAKE FED COM #2

1980' FSL, 660' FEL

SEC. 30K-15S-30E

CHAVES, NM

FROM DECLINE CURVE (SEE ATTACHED), WITHOUT PLUNGER LIFT

6/1/98 PRODUCTION = 118.8 MCFD (EQUATES TO 3564 MCF/MO WITHOUT DECLINE)

DECLINE = 41.754%/YR

PLUNGER LIFT INSTALLED 6/22/98

Jul-05	175
Aug-05	168
Sep-05	163
Oct-05	157
Nov-05	151
Dec-05	146
Jan-06	141
Feb-06	136
Mar-06	131
Apr-06	127
May-06	122
Jun-06	118
Jul-06	114
Aug-06	110
Sep-06	106
Oct-06	102
Nov-06	99
Dec-06	95
Jan-07	92
Feb-07	89
Mar-07	86
Apr-07	83
May-07	80
Jul-07	77
Aug-07	74
Sep-07	72
Oct-07	69
Nov-07	67
Dec-07	64
Jan-08	62
Feb-08	60
Mar-08	58
Apr-08	56
May-08	54
Jun-08	52
Jul-08	50
Aug-08	48
Sep-08	47
Oct-08	45
Nov-08	43
Dec-08	42
Jan-09	41
Feb-09	39
Mar-09	38
Apr-09	36
May-09	35
Jun-09	34
Jul-09	33
Aug-09	32
Sep-09	30
Oct-09	29
Nov-09	28
Dec-09	27
Jan-10	26
Feb-10	25
Mar-10	25
Apr-10	24
May-10	23
Jun-10	22
Jul-10	21
Aug-10	21
Sep-10	20
Oct-10	19
Nov-10	18
Dec-10	18
Jan-11	17
Feb-11	17
Mar-11	16
Apr-11	15
May-11	15
Jun-11	14
Jul-11	14
Aug-11	13
Sep-11	13
Oct-11	12
Nov-11	12
Dec-11	12
Jan-12	11
Mar-12	11
Apr-12	10
May-12	10
Jun-12	10
Jul-12	9
Aug-12	9
Sep-12	9

NADEL AND GUSSMAN PERMIAN, LLC
FORECAST F PRODUCTION WITHOUT PLUNGER LIFT INSTALLATION

BIG LUCKY LAKE FED COM #2
1980' FSL, 660' FEL
SEC. 30K-15S-30E
CHAVES, NM

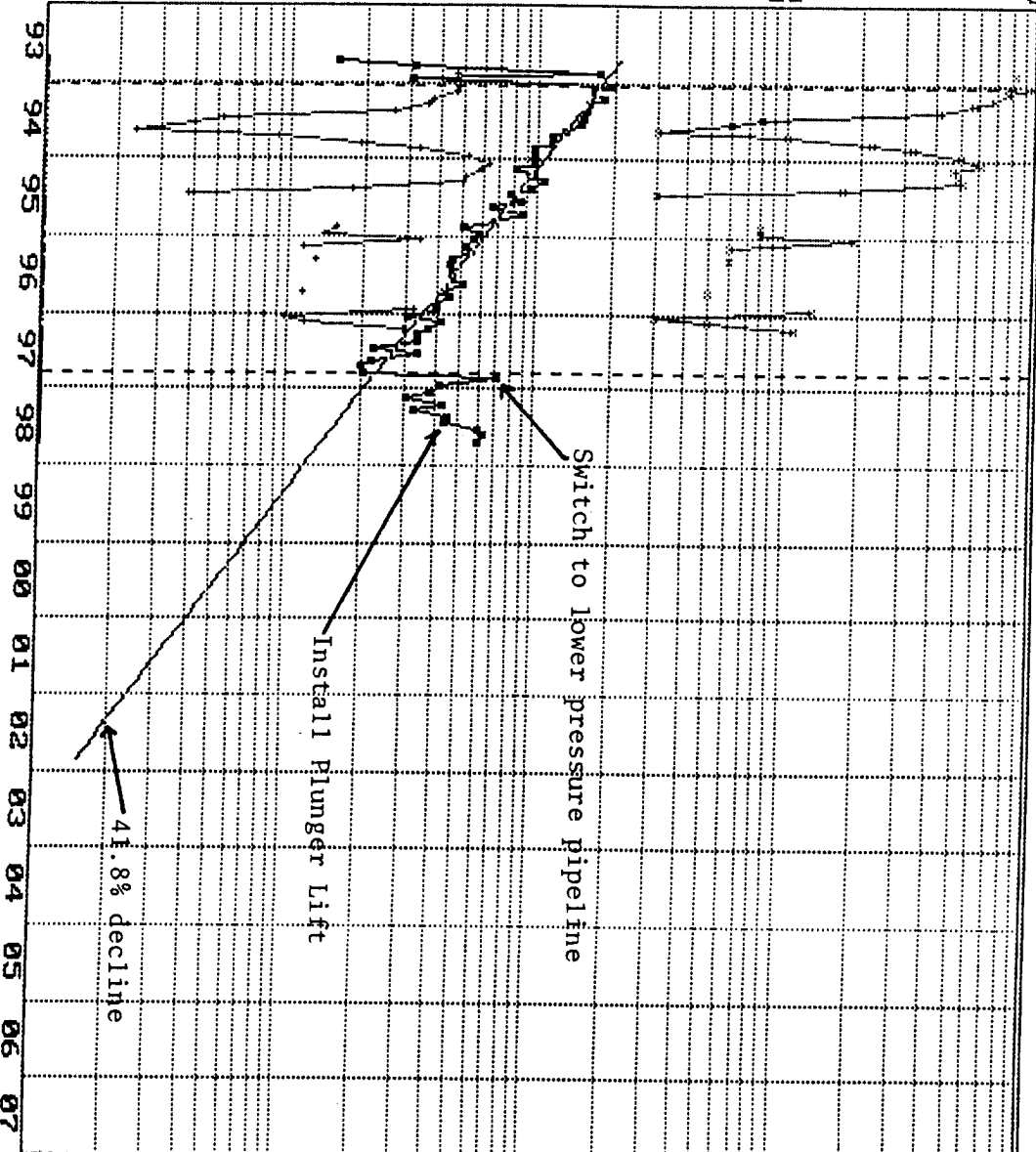
FROM DECLINE CURVE (SEE ATTACHED), WITHOUT PLUNGER LIFT
6/1/98 PRODUCTION = 118.8 MCFD (EQUATES TO 3564 MCF/MO WITHOUT DECLINE)
DECLINE = 41.754%/YR

PLUNGER LIFT INSTALLED 6/22/98

Oct-12	8
Nov-12	8
Dec-12	8
Jan-13	8
Feb-13	7
Mar-13	7
Apr-13	7
May-13	7
Jun-13	6
Jul-13	6
Aug-13	6
Sep-13	6
Oct-13	6
Nov-13	5
Dec-13	5
Jan-14	5
Feb-14	5
Mar-14	5
Apr-14	4
May-14	4
Jun-14	4
Jul-14	4
Aug-14	4
Sep-14	4
Oct-14	4
Nov-14	3
Dec-14	3
Jan-15	3
Feb-15	3
Mar-15	3
Apr-15	3
May-15	3
Jun-15	3
Jul-15	3
Aug-15	3
Sep-15	2
Oct-15	2
Nov-15	2
Dec-15	2
Jan-16	2
Feb-16	2
Mar-16	2
Apr-16	2
May-16	2
Jun-16	2
Jul-16	2
Aug-16	2
Sep-16	2
Oct-16	2
Dec-16	1
Jan-17	1
Feb-17	1
Mar-17	1
Apr-17	1
May-17	1
Jun-17	1
Jul-17	1
Aug-17	1
Sep-17	1
Oct-17	1
Nov-17	1
Dec-17	1
Jan-18	1
Feb-18	1
Mar-18	1
Apr-18	1
May-18	1
Jun-18	1
Jul-18	1
Aug-18	1
Sep-18	1
Oct-18	1
Nov-18	1
Dec-18	1
Jan-19	1
Feb-19	1
Mar-19	1
Apr-19	1
May-19	1
Jun-19	1
Jul-19	0

1000 0.1 100 0.01
 10000 1 1000 0.1
 100000 10 10000 1
 1e+06 100 100000 10
 • WATER
 • OIL/GAS
 • GAS
 • OIL

BIG LUCKY LAKE #2 : : NGP



Prop 120

- OIL Bbl/m
- GAS Mcf/m
- OIL/GAS
- WATER Bbl/m

RateTime Semi Log

EUR 460,384

Cum 379,751

Rem 80,633

Rem% 17.5%

Yrs 5.06

Date 11/1/1997

Act 7,015

Qmo 2,195

Q 2274.3

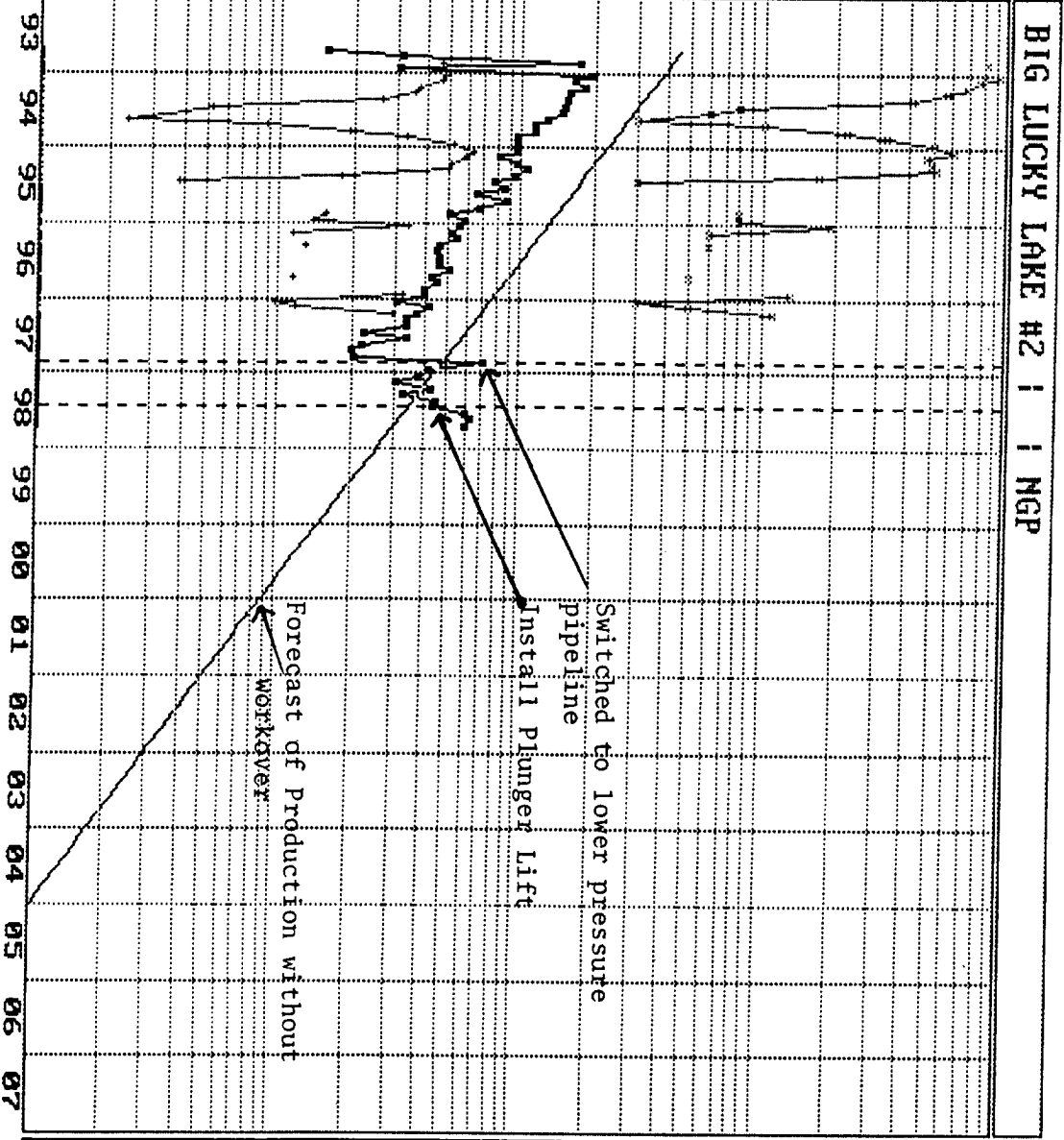
n 41.754

De 41.754

Qab 156

Major = GAS

1000	10000	100000	1e+06	WATER
0.1	1	10	100	• G.L./GAS
100	1000	10000	100000	• GAS
0.01	0.1	1	10	• OIL



Prop 120

- • OIL Bbl/m
- • GAS Mcf/m
- • OIL/GAS
- • WATER Bbl/m

RateTime
Semi Log

EUR 498,740

Cum 410,091

Rem 88,649

Rem% 17.8%

Yrs 10.92

Date 6/1/1998

Act 4,470

Qmo 3,438

Q 3563.8

n 0

De 41.754

Qab 10

Major = GAS