

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-0455 3/13

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: Chevron U.S.A. Production Company, Inc. OGRID #: 4323
Address: P.O. Box 1150 Midland, TX 79702
Contact Party: Michael Villalva Phone: (915) 687-7262
- II. Name of Well: Arrowhead Grayburg Unit 114 API #: 30-025-24189
Location of Well: Unit Letter N, 660 Feet from the South line and 2310 feet from the West line.
Section 25, Township 21S, Range 36E, NMPM, Lea County
- III. Date Workover Procedures Commenced: 03/13/97
Date Workover Procedures were Completed: 03/14/97
- 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:
ARROWHEAD;
~~EUNICE MONUMENT GRAYBURG SAN ANDRES~~
- VII. AFFIDAVIT:
State of TEXAS)
) ss.
County of Midland)
J.K. Ripley, 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.

J.K. Ripley
(Name)

T.A.
(Title)

MD

SUBSCRIBED AND SWORN TO before me this 11th day of March, 1998



Maggie M. Bermea

Notary Public for State of Texas

My Commission expires: July 30, 2001

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 3-14-98, 1998.

Paul G. King
District Supervisor, District 1
Oil Conservation Division

Date: 3/13/98

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

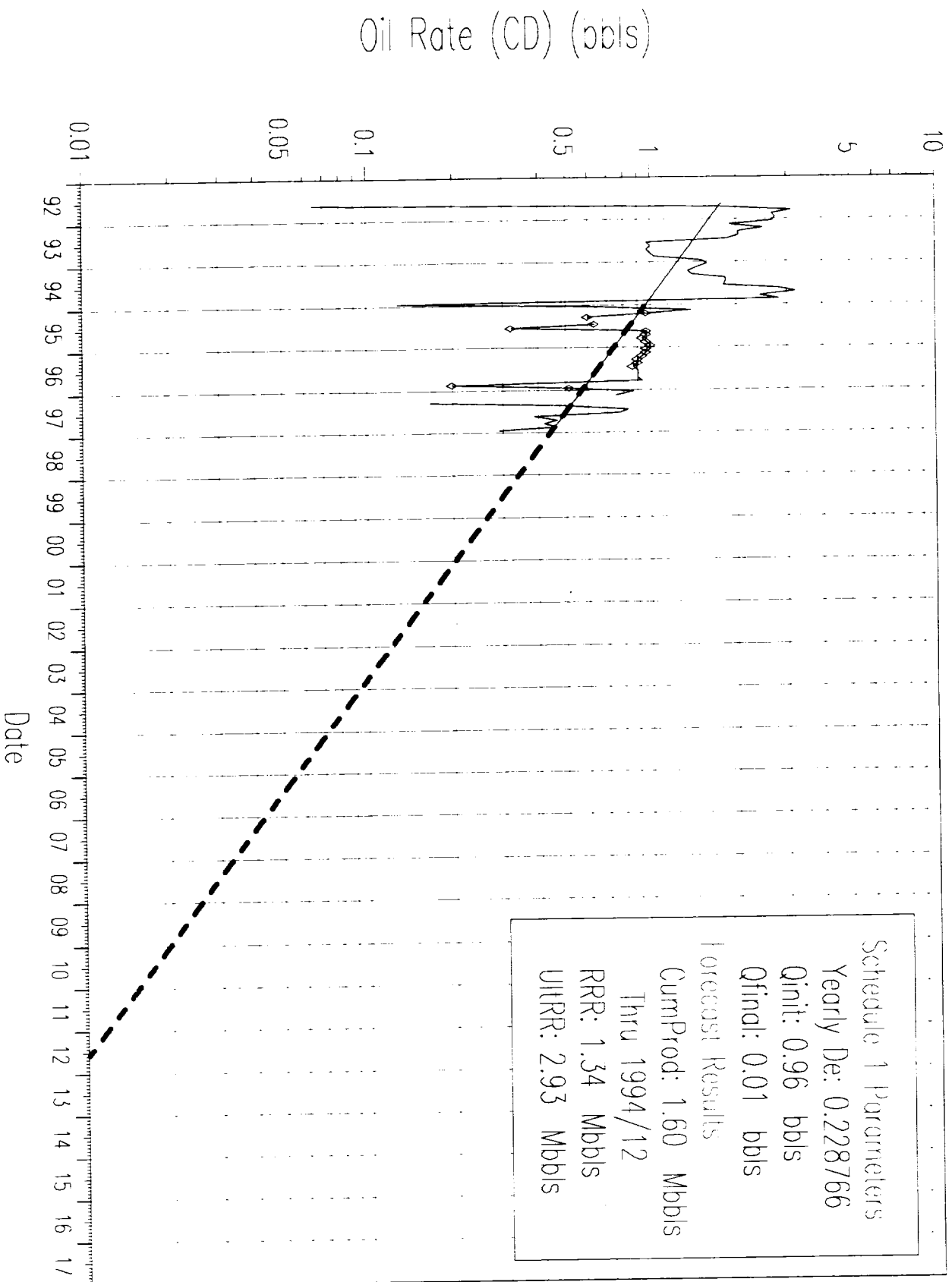
DATE: _____

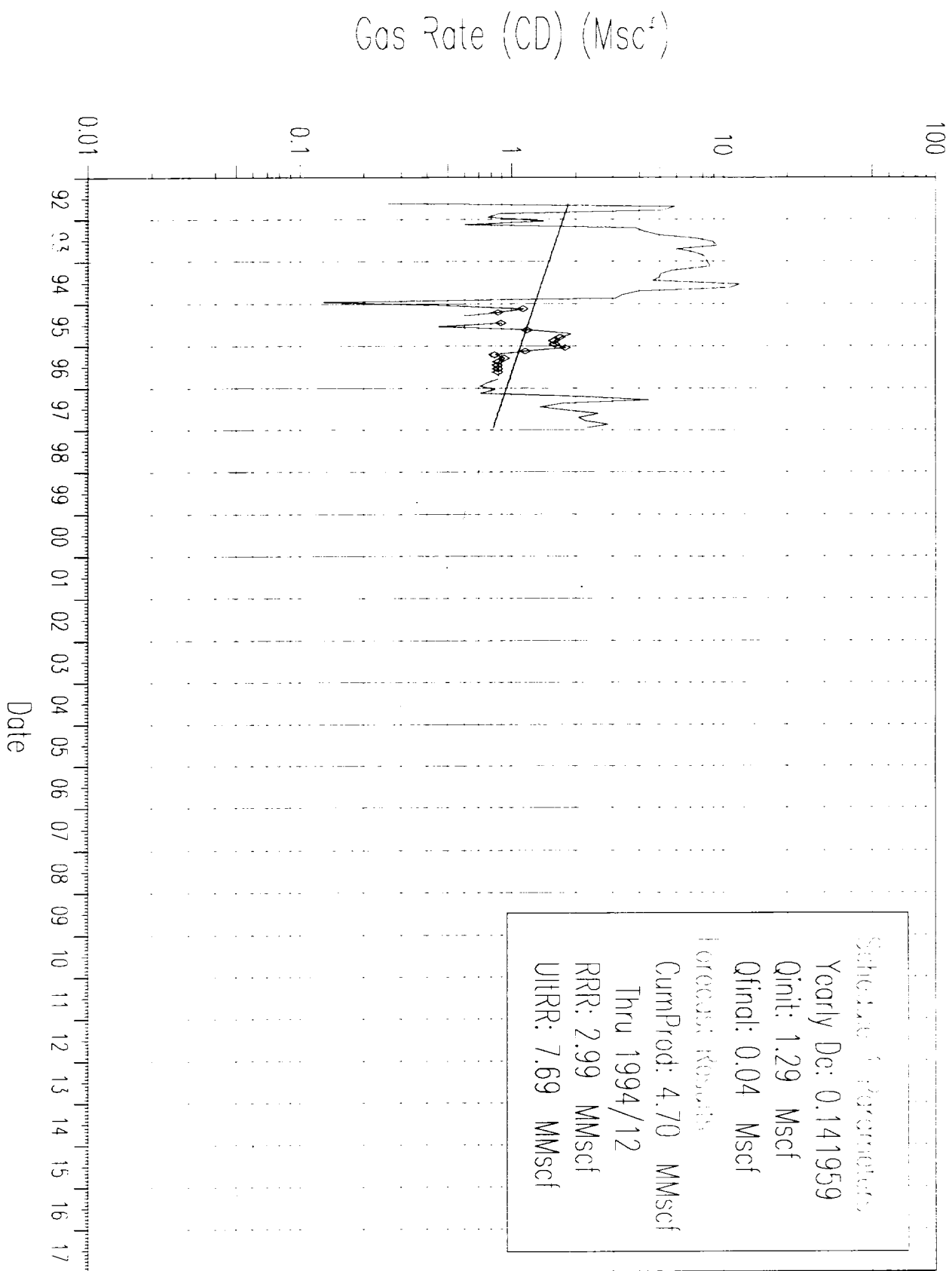
Arrowhead Grayburg Unit #114
Lea County, New Mexico

Summarized Workover Procedure

This workover was designed to upsize the existing pump with larger equipment in order to increase fluid production. Ultimately, the excess water will be pumped off and an increase in oil production will occur.

1. MIRU pulling unit.
2. POH with old rods and old pump. NU BOP.
3. ND BOP. RIH with new pump and rods.
4. Space out and clamp off.
5. Hang well on and RDMO pulling unit.
6. Test pump and put back on production.
7. Notify field office personnel of well status.





LEASE : ARROWHEAD GRAYBURG UNIT 114
 FH0196:01 CDATE: 920501

DATE	Oil Vol Prod bbls	FORECASTED OIL VOLUME bbls	Gas Vol Prod Mscf	FORECASTED GAS VOLUME Mscf
9208	2	0.00	8	0.00
9209	51	0.00	177	0.00
9210	97	0.00	159	0.00
9211	80	0.00	26	0.00
9212	85	0.00	24	0.00
9301	83	0.00	44	0.00
9302	53	0.00	17	0.00
9303	77	0.00	119	0.00
9304	61	0.00	126	0.00
9305	63	0.00	153	0.00
9306	56	0.00	222	0.00
9307	30	0.00	276	0.00
9308	31	0.00	290	0.00
9309	29	0.00	182	0.00
9310	31	0.00	227	0.00
9311	31	0.00	243	0.00
9312	47	0.00	257	0.00
9401	49	0.00	263	0.00
9402	41	0.00	243	0.00
9403	42	0.00	177	0.00
9404	42	0.00	152	0.00
9405	57	0.00	155	0.00
9406	55	0.00	139	0.00
9407	56	0.00	371	0.00
9408	87	0.00	334	0.00
9409	97	0.00	119	0.00
9410	75	0.00	102	0.00
9411	85	0.00	92	0.00
9412	4	0.00	4	0.00
9501	18	29.44	14	39.74
9502	39	26.02	32	35.44
9503	30	28.19	27	38.73
9504	18	26.70	18	37.01
9505	0	27.00	0	37.76
9506	19	25.57	27	36.08
9507	10	25.85	14	36.81
9508	30	25.30	37	36.34
9509	29	23.96	58	34.72
9510	29	24.23	53	35.43
9511	29	22.95	48	33.85
9512	31	23.20	50	34.53
9601	30	22.71	56	34.10
9602	28	20.79	34	31.49
9603	29	21.74	26	33.24
9604	27	20.59	28	31.76
9605	28	20.82	27	32.40
9606	26	19.72	26	30.96
9607	28	19.94	27	31.58
9608	28	19.51	27	31.18
9609	27	18.48	26	29.79

LEASE : ARROWHEAD GRAYBURG UNIT 114
 FH0196:01 CDATE: 920501

DATE	Oil Vol Prod bbls	FORECASTED OIL VOLUME bbls	Gas Vol Prod Mscf	FORECASTED GAS VOLUME Mscf
9610	29	18.69	21	30.40
9611	6	17.70	23	29.04
9612	16	17.89	22	29.63
9701	27	17.51	26	29.25
9702	21	15.48	20	26.09
9703	0	16.77	68	28.52
9704	5	15.88	134	27.25
9705	15	16.06	54	27.80
9706	25	15.21	41	26.56
9707	24	15.38	57	27.10
9708	12	15.05	80	26.76
9709	14	14.25	62	25.56
9710	13	14.41	69	26.08
9711	14	13.65	86	24.92
9712	9	13.80	70	25.42
9801	0	13.51	0	25.10
9802	0	11.94	0	22.39
9803	0	12.93	0	24.47
9804	0	12.25	0	23.38
9805	0	12.38	0	23.85
9806	0	11.73	0	22.79
9807	0	11.86	0	23.25
9808	0	11.61	0	22.96
9809	0	10.99	0	21.94
9810	0	11.11	0	22.38
9811	0	10.53	0	21.38
9812	0	10.64	0	21.82
9901	0	10.42	0	21.54
9902	0	9.21	0	19.21
9903	0	9.97	0	21.00
9904	0	9.45	0	20.06
9905	0	9.55	0	20.47
9906	0	9.05	0	19.56
9907	0	9.15	0	19.95
9908	0	8.95	0	19.70
9909	0	8.48	0	18.82
9910	0	8.57	0	19.20
9911	0	8.12	0	18.35
9912	0	8.21	0	18.72
10001	0	8.03	0	18.48
10002	0	7.35	0	17.07
10003	0	7.69	0	18.02
10004	0	7.28	0	17.21
10005	0	7.37	0	17.56
10006	0	6.98	0	16.78
10007	0	7.05	0	17.12
10008	0	6.90	0	16.90
10009	0	6.54	0	16.15
10010	0	6.61	0	16.48
10011	0	6.26	0	15.74

LEASE : ARROWHEAD GRAYBURG UNIT 114
 FH0196:01 CDATE: 920501

DATE	Oil Vol Prod bbls	FORECASTED OIL VOLUME bbls	Gas Vol Prod Mscf	FORECASTED GAS VOLUME Mscf
10012	0	6.33	0	16.06
10101	0	6.20	0	15.86
10102	0	5.48	0	14.14
10103	0	5.93	0	15.46
10104	0	5.62	0	14.77
10105	0	5.68	0	15.07
10106	0	5.38	0	14.40
10107	0	5.44	0	14.69
10108	0	5.32	0	14.50
10109	0	5.04	0	13.86
10110	0	5.10	0	14.14
10111	0	4.83	0	13.51
10112	0	4.88	0	13.78
10201	0	4.78	0	13.61
10202	0	4.22	0	12.13
10203	0	4.58	0	13.26
10204	0	4.33	0	12.67
10205	0	4.38	0	12.93
10206	0	4.15	0	12.35
10207	0	4.20	0	12.60
10208	0	4.11	0	12.44
10209	0	3.89	0	11.89
10210	0	3.93	0	12.13
10211	0	3.72	0	11.59
10212	0	3.77	0	11.82
10301	0	3.68	0	11.67
10302	0	3.26	0	10.41
10303	0	3.53	0	11.38
10304	0	3.34	0	10.87
10305	0	3.38	0	11.09
10306	0	3.20	0	10.60
10307	0	3.24	0	10.81
10308	0	3.17	0	10.68
10309	0	3.00	0	10.20
10310	0	3.03	0	10.41
10311	0	2.87	0	9.94
10312	0	2.90	0	10.15
10401	0	2.84	0	10.02
10402	0	2.60	0	9.25
10403	0	2.72	0	9.77
10404	0	2.58	0	9.33
10405	0	2.61	0	9.52
10406	0	2.47	0	9.10
10407	0	2.50	0	9.28
10408	0	2.44	0	9.16
10409	0	2.31	0	8.75
10410	0	2.34	0	8.93
10411	0	2.21	0	8.53
10412	0	2.24	0	8.71
10501	0	2.19	0	8.60

LEASE : ARROWHEAD GRAYBURG UNIT 114
 FH0196:01 CDATE: 920501

DATE	Oil Vol Prod bbls	FORECASTED OIL VOLUME bbls	Gas Vol Prod Mscf	FORECASTED GAS VOLUME Mscf
10502	0	1.94	0	7.67
10503	0	2.10	0	8.38
10504	0	1.99	0	8.01
10505	0	2.01	0	8.17
10506	0	1.90	0	7.80
10507	0	1.92	0	7.96
10508	0	1.88	0	7.86
10509	0	1.78	0	7.51
10510	0	1.80	0	7.66
10511	0	1.71	0	7.32
10512	0	1.73	0	7.47
10601	0	1.69	0	7.38
10602	0	1.49	0	6.58
10603	0	1.62	0	7.19
10604	0	1.53	0	6.87
10605	0	1.55	0	7.01
10606	0	1.47	0	6.70
10607	0	1.48	0	6.83
10608	0	1.45	0	6.75
10609	0	1.38	0	6.44
10610	0	1.39	0	6.58
10611	0	1.32	0	6.28
10612	0	1.33	0	6.41
10701	0	1.30	0	6.33
10702	0	1.15	0	5.64
10703	0	1.25	0	6.17
10704	0	1.18	0	5.89
10705	0	1.20	0	6.01
10706	0	1.13	0	5.75
10707	0	1.14	0	5.86
10708	0	1.12	0	5.79
10709	0	1.06	0	5.53
10710	0	1.07	0	5.64
10711	0	1.02	0	5.39
10712	0	1.03	0	5.50
10801	0	1.01	0	5.43
10802	0	0.92	0	5.02
10803	0	0.96	0	5.29
10804	0	0.91	0	5.06
10805	0	0.92	0	5.16
10806	0	0.87	0	4.93
10807	0	0.88	0	5.03
10808	0	0.86	0	4.97
10809	0	0.82	0	4.74
10810	0	0.83	0	4.84
10811	0	0.78	0	4.63
10812	0	0.79	0	4.72
10901	0	0.78	0	4.66
10902	0	0.69	0	4.15
10903	0	0.74	0	4.54

LEASE : ARROWHEAD GRAYBURG UNIT 114
 FH0196:01 CDATE: 920501

DATE	Oil Vol Prod bbls	FORECASTED OIL VOLUME bbls	Gas Vol Prod Mscf	FORECASTED GAS VOLUME Mscf
10904	0	0.70	0	4.34
10905	0	0.71	0	4.43
10906	0	0.67	0	4.23
10907	0	0.68	0	4.32
10908	0	0.67	0	4.26
10909	0	0.63	0	4.07
10910	0	0.64	0	4.15
10911	0	0.60	0	3.97
10912	0	0.61	0	4.05
11001	0	0.60	0	4.00
11002	0	0.53	0	3.56
11003	0	0.57	0	3.90
11004	0	0.54	0	3.72
11005	0	0.55	0	3.80
11006	0	0.52	0	3.63
11007	0	0.53	0	3.70
11008	0	0.51	0	3.66
11009	0	0.49	0	3.49
11010	0	0.49	0	3.56
11011	0	0.47	0	3.41
11012	0	0.47	0	3.47
11101	0	0.46	0	3.43
11102	0	0.41	0	3.06
11103	0	0.44	0	3.34
11104	0	0.42	0	3.19
11105	0	0.42	0	3.26
11106	0	0.40	0	3.11
11107	0	0.41	0	3.18
11108	0	0.40	0	3.14
11109	0	0.38	0	3.00
11110	0	0.38	0	3.06
11111	0	0.36	0	2.92
11112	0	0.36	0	2.98
11201	0	0.36	0	2.94
11202	0	0.33	0	2.72
11203	0	0.34	0	2.87
11204	0	0.32	0	2.74
11205	0	0.33	0	2.80
11206	0	0.31	0	2.67
11207	0	0.31	0	2.73
11208	0	0.00	0	2.69
11209	0	0.00	0	2.57
11210	0	0.00	0	2.62
11211	0	0.00	0	2.51
11212	0	0.00	0	2.56
11301	0	0.00	0	2.53
11302	0	0.00	0	2.25
11303	0	0.00	0	2.46
11304	0	0.00	0	2.35
11305	0	0.00	0	2.40

LEASE : ARROWHEAD GRAYBURG UNIT 114
FH0196:01 CDATE: 920501

DATE	Oil Vol Prod bbls	FORECASTED OIL VOLUME bbls	Gas Vol Prod Mscf	FORECASTED GAS VOLUME Mscf
11306	0	0.00	0	2.29
11307	0	0.00	0	2.34
11308	0	0.00	0	2.31
11309	0	0.00	0	2.21
11310	0	0.00	0	2.25
11311	0	0.00	0	2.15
11312	0	0.00	0	2.19
11401	0	0.00	0	2.17
11402	0	0.00	0	1.93
11403	0	0.00	0	2.11
11404	0	0.00	0	2.02
11405	0	0.00	0	2.06
11406	0	0.00	0	1.97
11407	0	0.00	0	2.01
11408	0	0.00	0	1.98
11409	0	0.00	0	1.89
11410	0	0.00	0	1.93
11411	0	0.00	0	1.85
11412	0	0.00	0	1.88
11501	0	0.00	0	1.86
11502	0	0.00	0	1.66
11503	0	0.00	0	1.81
11504	0	0.00	0	1.73
11505	0	0.00	0	1.77
11506	0	0.00	0	1.69
11507	0	0.00	0	1.72
11508	0	0.00	0	1.70
11509	0	0.00	0	1.62
11510	0	0.00	0	1.66
11511	0	0.00	0	1.58
11512	0	0.00	0	1.62
11601	0	0.00	0	1.60
11602	0	0.00	0	1.47
11603	0	0.00	0	1.56
11604	0	0.00	0	1.49
11605	0	0.00	0	1.52
11606	0	0.00	0	1.45
11607	0	0.00	0	1.48
11608	0	0.00	0	1.46
11609	0	0.00	0	1.39
11610	0	0.00	0	1.42
11611	0	0.00	0	1.36
11612	0	0.00	0	1.39
11701	0	0.00	0	1.37
11702	0	0.00	0	1.22
11703	0	0.00	0	1.33
11704	0	0.00	0	1.27
11705	0	0.00	0	1.30
11706	0	0.00	0	1.24
11707	0	0.00	0	1.27

LEASE : ARROWHEAD GRAYBURG UNIT 114
FH0196:01 CDATE: 920501

DATE	Oil Vol Prod bbls	FORECASTED OIL VOLUME bbls	Gas Vol Prod Mscf	FORECASTED GAS VOLUME Mscf
11708	0	0.00	0	1.25
11709	0	0.00	0	1.20
11710	0	0.00	0	1.22
11711	0	0.00	0	1.17
11712	0	0.00	0	1.19