

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-0270

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: STEPHENS & JOHNSON OPERATING CO. OGRID #: 019958  
Address: P. O. BOX 2249, WICHITA FALLS, TX 76307-2249  
Contact Party: JO BUMGARDNER Phone: (817) 723-2166
- II. Name of Well: WEATHERLY NO. 6 API #: 30-025-06724  
Location of Well: Unit Letter F, 1980 Feet from the NORTH line and 3300 feet from the EAST line,  
Section 21, Township 21S, Range 37E, NMPM, LEA County 1980
- III. Date Workover Procedures Commenced: 12-15-96  
Date Workover Procedures were Completed: 12-16-96
- 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:

BLINEBRY/DRINKARD

VII. AFFIDAVIT:

State of TEXAS )  
County of WICHITA ) ss.

BOB GILMORE, being first duly sworn, upon oath states:

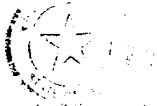
1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my 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.

Bob Gilmore  
(Name) BOB GILMORE

PETROLEUM ENGINEER  
(Title)

FEB 24 1997

SUBSCRIBED AND SWORN TO before me this 5th day of FEB, 1997



NOTARY PUBLIC  
State of Texas  
Commission Expires Aug. 15, 1998

Jo Buengardner

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 12-16-96 1996.

[Signature]  
District Supervisor, District 7 Geologist  
Oil Conservation Division

Date: 3/10/97

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

DATE: \_\_\_\_\_

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

# OIL CONSERVATION DIVISION

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

WELL API NO. 30-025-06724
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Lease Name or Unit Agreement Name  Weatherly Lease
2. Name of Operator Stephens & Johnson Operating Co.	8. Well No. 6
3. Address of Operator P. O. Box 2249, Wichita Falls, TX 76307-2249	9. Pool name or Wildcat Blinebry/Drinkard
4. Well Location Unit Letter <u>F</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>3300</u> Feet From The <u>East</u> Line Section <u>21</u> Township <u>21S</u> Range <u>37E</u> NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER: <input type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: Installation of pumping equipment <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

12-15-96 Rig up workover rig. Run downhole pump and new rods. Set up SMACO 320 D pumping unit. Installed electricity and started pumping.

I hereby certify that the information above is true and correct to the best of my knowledge and belief.

SIGNATURE Bob Gilmore TITLE Petroleum Engineer DATE 1/16/97

TYPE OR PRINT NAME Bob Gilmore TELEPHONE NO. (817) 723-2166

(This space for State Use) ORIGINAL FILED BY FILED

APPROVED BY FILED TITLE FILED DATE JAN 27 1997

CONDITIONS OF APPROVAL, IF ANY:

**WEATHERLY WELL NO. 6 PRODUCTION**

(12 MONTHS BEFORE WORKOVER)

MO/YR	BLINEBRY OIL	DRINKARD OIL	TOTAL	BLINEBRY GAS	DRINKARD GAS	TOTAL
1195	46	35	81	954	628	1582
1295	28	21	49	677	445	1122
0196	52	38	90	876	577	1453
0296	36	29	65	772	507	1279
0396	41	29	70	879	578	1457
0496	43	33	76	796	523	1319
0596	58	43	101	1320	888	2208
0696	40	29	69	1055	710	1765
0796	51	38	89	1329	895	2224
0896	45	34	79	1369	922	2291
0996	33	26	59	1158	779	1937
1096	37	26	63	1270	856	2126
TOTAL	510	381	891	12455	8308	20763
VERIFY			891			20763
12MOAVG			74.25			1730.25

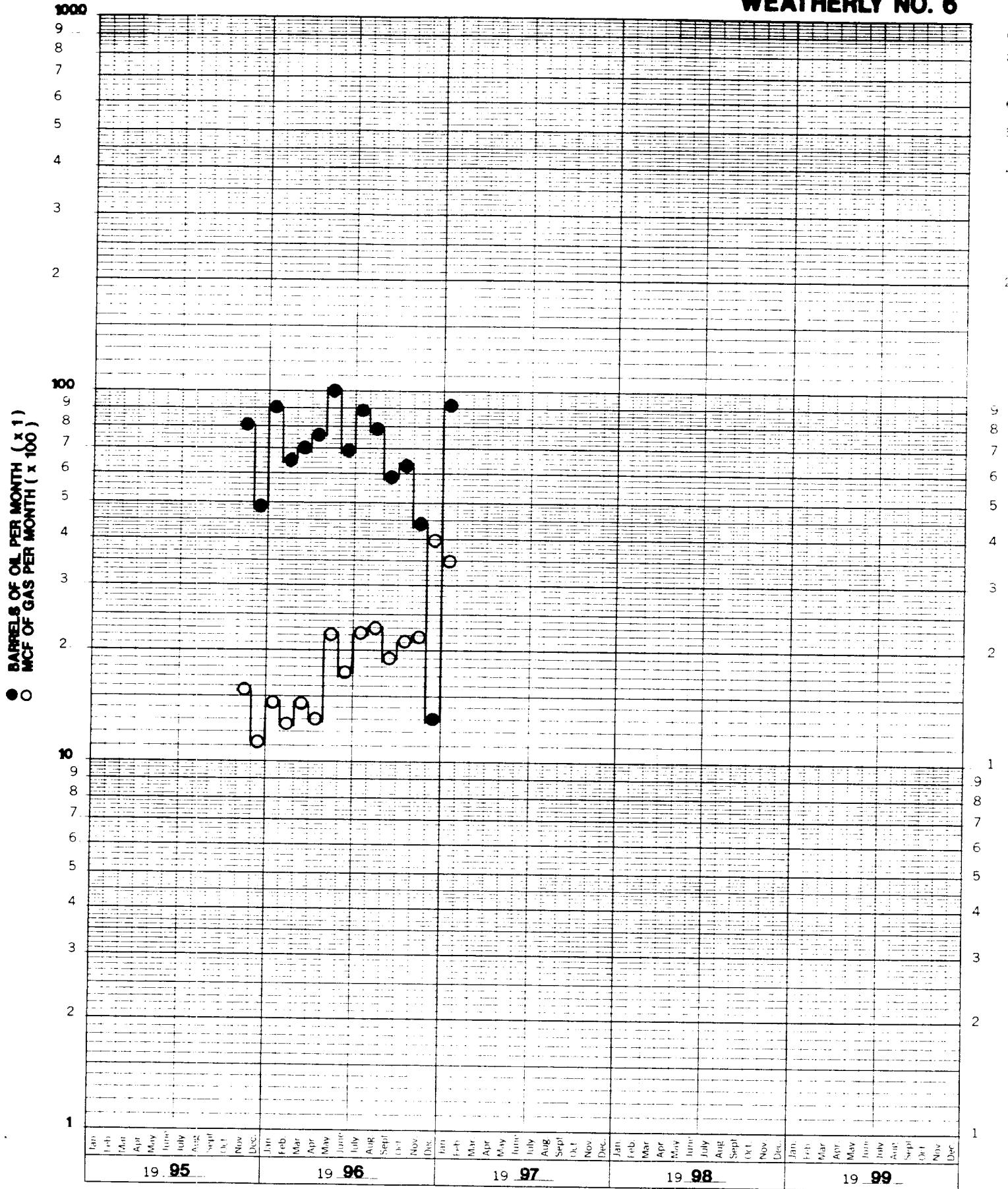
**AFTER WORKOVER PRODUCTION:**

1196	25	19	44	1308	881	2189
1296	6	7	13	2391	1594	3985
0197est	52	40	92	2108	1405	3513

**NOTE:**

Weatherly lease was shut-in part of November, 1996 by the gas company while they made repairs. Well No. 6 had additional downtime in December, 1996 until a pumping unit was installed and hooked up. Therefore, true increased production is not reflected for this well until January, 1997.

# WEATHERLY NO. 6



H. J. GRUY & ASSOCIATES RESERVE AND EVALUATION PAC PROGRAM B2  
EXPONENTIAL DECLINE ANALYSIS AND PROJECTION

RESERVOIR IDENTIFICATION = WEATHERLY NO.6

IS PRIMARY PRODUCT OIL OR GAS (O/G) = O, /

DATA

----

INITIAL FLOW RATE, stb or Mscf/mo = 60  
FLOW RATE AT ECONOMIC LIMIT, stb or Mscf/mo = 1  
FIRST YEAR OF PROJECTION (19\_\_ ) = 97  
MONTHS IN FIRST YEAR OF PROJECTION = 12  
OPTIONAL CONSTANT (DEFAULT = 0) = .0833

A FOR RESERVE, B FOR LIFE, C FOR ANNUAL DECLINE =C

ANNUAL DECLINE RATE , percent/year = 12  
PROJECTION LIFE, years = 32.03  
RESERVE VOLUME TO PROJECT, stb or Mscf = 5538.46

**\*\*ANNUAL PROJECTION OF PRIMARY PRODUCT PRODUCTION\*\***

YEAR	<i>year</i> PRODUCTION	CUMULATIVE	<i>Aug / mo</i> PROD X K	CUM X K
----	-----	-----	-----	-----
1 <i>1997</i>	676	676	56	56
2	595	1,271	50	106
3 <i>↓</i>	523	1,794	44	149
4	461	2,255	38	188
5	405	2,660	34	222
6	357	3,017	30	251
7	314	3,331	26	277
8	276	3,607	23	300
9	243	3,850	20	321
10	214	4,064	18	339
11	188	4,252	16	354
12	166	4,418	14	368
13	146	4,563	12	380
14	128	4,692	11	391
15	113	4,805	9	400
16	99	4,904	8	408
17	87	4,991	7	416
18	77	5,068	6	422
19	68	5,136	6	428
20	60	5,195	5	433
21	52	5,248	4	437
22	46	5,294	4	441
23	41	5,335	3	444
24	36	5,370	3	447
25	31	5,402	3	450
26	28	5,429	2	452
27	24	5,454	2	454
28	21	5,475	2	456
29	19	5,494	2	458
30	17	5,511	1	459
31	15	5,525	1	460
32	13	5,538	1	461
33	0	5,538	0	461

MONTHS IN LAST YEAR = 0

H. J. GRUY & ASSOCIATES RESERVE AND EVALUATION PAC PROGRAM B2  
EXPONENTIAL DECLINE ANALYSIS AND PROJECTION

RESERVOIR IDENTIFICATION = WEATHERLY NO.6

IS PRIMARY PRODUCT OIL OR GAS (O/G) = Gas

DATA  
----

INITIAL FLOW RATE, stb or Mscf/mo = 2100  
FLOW RATE AT ECONOMIC LIMIT, stb or Mscf/mo = 1  
FIRST YEAR OF PROJECTION (19\_\_ ) = 97  
MONTHS IN FIRST YEAR OF PROJECTION = 12  
OPTIONAL CONSTANT (DEFAULT = 0) = .0833

A FOR RESERVE, B FOR LIFE, C FOR ANNUAL DECLINE =C

ANNUAL DECLINE RATE , percent/year = 12  
PROJECTION LIFE, years = 59.84  
RESERVE VOLUME TO PROJECT, stb or Mscf = 197037.8

\*\*ANNUAL PROJECTION OF PRIMARY PRODUCT PRODUCTION\*\*

YEAR	<sup>year</sup> PRODUCTION	CUMULATIVE	<sup>Aug/mo</sup> PROD X K	CUM X K
1 1997	23,656	23,656	1,971	1,971
2 ↓	20,817	44,473	1,734	3,705
3	18,319	62,792	1,526	5,231
4	16,121	78,913	1,343	6,573
5	14,186	93,099	1,182	7,755
6	12,484	105,583	1,040	8,795
7	10,986	116,569	915	9,710
8	9,668	126,236	805	10,515
9	8,507	134,744	709	11,224
10	7,487	142,230	624	11,848
11	6,588	148,818	549	12,397
12	5,798	154,616	483	12,880
13	5,102	159,718	425	13,305
14	4,490	164,208	374	13,678
15	3,951	168,158	329	14,008
16	3,477	171,635	290	14,297
17	3,060	174,695	255	14,552
18	2,692	177,387	224	14,776
19	2,369	179,757	197	14,974
20	2,085	181,842	174	15,147
21	1,835	183,676	153	15,300
22	1,615	185,291	134	15,435
23	1,421	186,712	118	15,553
24	1,250	187,962	104	15,657
25	1,100	189,063	92	15,749
26	968	190,031	81	15,830
27	852	190,883	71	15,901
28	750	191,633	62	15,963
29	660	192,293	55	16,018
30	581	192,873	48	16,066
31	511	193,384	43	16,109
32	450	193,834	37	16,146
33	396	194,230	33	16,179
34	348	194,578	29	16,208
35	306	194,884	26	16,234
36	270	195,154	22	16,256
37	237	195,391	20	16,276
38	209	195,600	17	16,293
39	184	195,784	15	16,309
40	162	195,946	13	16,322
41	142	196,088	12	16,334
42	125	196,213	10	16,345
43	110	196,323	9	16,354
44	97	196,420	8	16,362
45	85	196,506	7	16,369
46	75	196,581	6	16,375
47	66	196,647	6	16,381
48	58	196,705	5	16,386
49	51	196,756	4	16,390
50	45	196,801	4	16,394
51	40	196,841	3	16,397

52	35	196,876	3	16,400
53	31	196,907	3	16,402
54	27	196,934	2	16,405
55	24	196,957	2	16,407
56	21	196,978	2	16,408
57	18	196,997	2	16,410
58	16	197,013	1	16,411
59	14	197,027	1	16,412
60	11	197,038	1	16,413

MONTHS IN LAST YEAR = 10