

District I - (305) 393-6161  
PO 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 & Natural Resources Department  
OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Form C-14  
Originated 11/1/9  
Submit Original  
Plus 2 Copies  
to appropriate  
District Office

APPLICATION FOR  
QUALIFICATION OF WELL WORKOVER PROJECT  
AND CERTIFICATION OF APPROVAL

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

- I. Operator: Amoco Production Company OGRID #: 000778  
Address: P.O. Box 800, Denver, Colorado 80201  
Contact Party: Patricia J. Haeefe Phone: (303) 830-4988
- II. Name of Well: Storey C 2M API #: 3004525322  
Location of Well: Unit Letter E, 1890 Feet from the North line and 655 Feet from the West line, Section 35, Township 28N, Range 9W, NMPM, San Juan County.
- III. Date Workover Procedures Commenced: 7/12/95  
Date Workover Procedures were Completed: 8/3/95
- 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:  
Basin Dakota
- VII. AFFIDAVIT:  
State of Colorado )  
County of Denver ) ss.

Patricia J. Haeefe, 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.

Patricia J. Haeefe  
(Name)  
Staff Assistant  
(Title)

RECEIVED  
JUN 21 1996  
OIL CON. DIV.  
DIST. 3

SUBSCRIBED AND SWORN TO before me this 20<sup>th</sup> day of June, 1996.

Patricia J. Archuleta  
Notary Public

My Commission expires: August 12, 1999

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 8/3, 1995.

35.8  
District Supervisor, District 3  
Oil Conservation Division

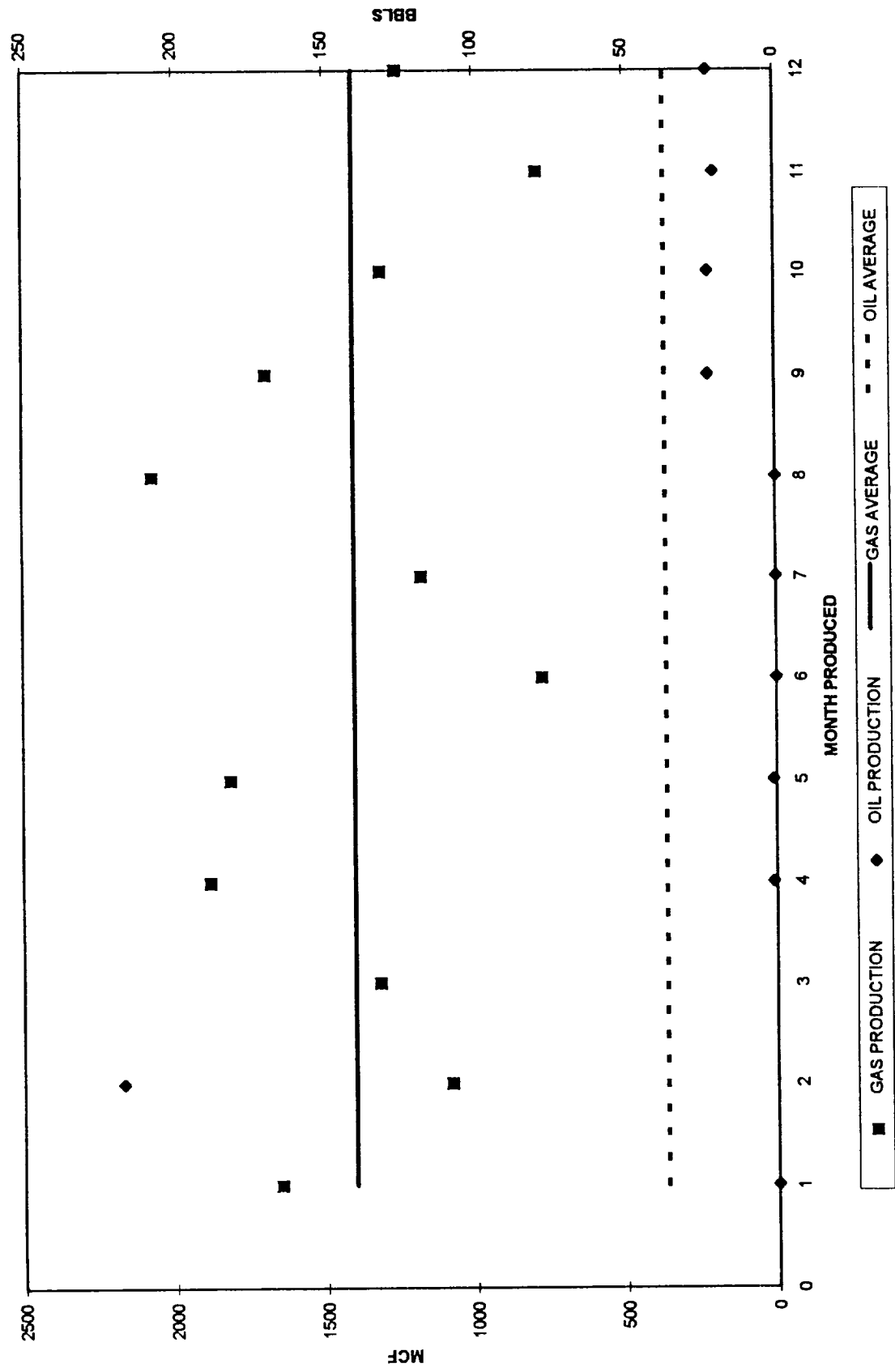
Date: 8/28/96

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

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

# STOREY C 2E

## DECLINE CURVE



Storey C 2M

| WELLNAME                          | WELLNO  | POOL             | FLAC     | API        | QOSTR           | MONTH | OIL | GAS  |
|-----------------------------------|---------|------------------|----------|------------|-----------------|-------|-----|------|
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 07/94 | 0   | 1650 |
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 08/94 | 217 | 1082 |
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 09/94 | 132 | 1320 |
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 10/94 | 1   | 1882 |
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 11/94 | 1   | 1815 |
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 12/94 | 0   | 776  |
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 01/95 | 0   | 1178 |
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 02/95 | 0   | 2070 |
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 03/95 | 22  | 1693 |
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 04/95 | 22  | 1307 |
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 05/95 | 20  | 787  |
| STOREY C                          | M002E35 | BASIN-DAKOTA-GAS | 97978001 | 3004525322 | SWNNW0035028009 | 06/95 | 22  | 1255 |
| 12-month average - Projected Tren |         |                  |          |            |                 |       | 36  | 1401 |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(See other in  
instructions on  
reverse side)

FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

RECEIVED  
LLH

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐  
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ OIL RESV. ☒ OTHER ☐ Recompletion  
95 AUG 10 PM 1:53

2. NAME OF OPERATOR  
Amoco Production Company

3. ADDRESS AND TELEPHONE NO.

P.O. Box 800, Denver, Colorado 80201

(303) 830 6157

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1890 FNL 655 FWL UNIT E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

10/19/82

16. DATE T.D. REACHED

10/29/82

17. DATE COMPLETION (Ready to prod.)

08/03/95

18. ELEVATIONS (DE, RKB, RL, GR, ETC.)\*

6790' KB

20. TOTAL DEPTH, MD & TVD

7527' KB

21. PLUG BACK T.D. MD & TVD

7503' KB

22. IF MULTIPLE COMPLETIONS, HOW MANY\*

3

23. INTERVALS DRILLED BY

ROTARY TOOLS

YES

19. ELEV. CASINGHEAD

6778' GR

25. WAS DIRECTIONAL SURVEY MADE

No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*

Blanco Mesaverde 4563' - 5,400'

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL and Pulse Echo Logs

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD | AMOUNT PULLED |
|-------------------|-----------------|----------------|-----------|---------------------------------|---------------|
| 9-5/8"            | 36#             | 356'           | 12 1/4"   | See Reverse                     |               |
| 7"                | 23#             | 3460'          | 8 3/4"    |                                 |               |

29. LINER RECORD

| SIZE   | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
| 4-1/2" | 3306' KB | See Reverse |               |             | 2.375" | 7424'          |                 |

31. PERFORATION RECORD (Interval, size and number)

See Attached

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

See Attached

33.\* PRODUCTION

|                                     |                         |                                                                                   |                        |                 |                      |                                               |               |
|-------------------------------------|-------------------------|-----------------------------------------------------------------------------------|------------------------|-----------------|----------------------|-----------------------------------------------|---------------|
| DATE FIRST PRODUCTION<br>08 03 1995 |                         | PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)<br>Flowing |                        |                 |                      | WELL STATUS (Producing or shut-in)<br>Shut-in |               |
| DATE OF TEST<br>08 03 1995          | HOURS TESTED<br>2 hrs.  | CHOKE SIZE<br>1/2"                                                                | PROD'N FOR TEST PERIOD | OIL - BBL.<br>0 | GAS - MCF<br>850 mcf | WATER - BBL.<br>0                             | GAS-OIL RATIO |
| FLOW TUBING PRESS<br>120#           | CASING PRESSURE<br>280# | CALCULATED 24 HOUR RATE                                                           | OIL - BBL.             | GAS - MCF       | WATER - BBL.         | OIL GRAVITY - API (CORR.)                     |               |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To Be Sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Gail M. Jefferson

TITLE

Sr. Admin. Staff Asst.

DATE

AUG 11 1995  
8/8/95

\*(See Instructions and Spaces for Additional Data on Reverse Side)  
FARMINGTON DISTRICT OFFICE

Top of Cement, Cementing Record

236 cf Cl-B + 2%  $\text{CaCl}_2$  + 1/4# sx floccle

1st: 137 cf 65/35 lite Poz + 2%  $\text{CaCl}_2$  +  
1/4#/cf Perlite; 224 cf Cl-B w/2%  
 $\text{CaCl}_2$  + 1/4#/sx floccle

2nd: 501 cf 65/35 lite Poz + 2%  $\text{CaCl}_2$   
+ 1/4#/cf Perlite

4-1/2" liner cementing detail

552 cf Hal-lite & 177 cf Cl-B neat

Liner top cement squeeze

177 cf Cl-B w/2%  $\text{CaCl}_2$  + 6-1/4#/sx Gilsomite

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

| FORMATION       | TOP   | BOTTOM | DESCRIPTION, CONTENTS, ETC.   | NAME      | TOP         |                     |
|-----------------|-------|--------|-------------------------------|-----------|-------------|---------------------|
|                 |       |        |                               |           | MEAS. DEPTH | TRUE<br>VERT. DEPTH |
|                 |       |        |                               |           |             |                     |
| Ojo Alamo       | 1960' | 2055'  | Sand, Shale, fresh water      | Greenhorn | 7182'       |                     |
| Merriam         | 2055' | 2670'  | Shale                         |           |             |                     |
| Truittland      | 2670' | 2937'  | Sand, shale, coal, gas, water |           |             |                     |
| Pictured Cliffs | 2937' | 3010'  | Sand, shale, gas              |           |             |                     |
| Lewis           | 3010' | 3894'  | Shale                         |           |             |                     |
| Chacra          | 3894' | 4563'  | Sand, shale, gas              |           |             |                     |
| Coffhouse       | 4563' | 4594'  | Sand, shale, gas, water       |           |             |                     |
| Menafee         | 4594' | 5257'  | Sand, shale, coal, gas, water |           |             |                     |
| Pr. Lookout     | 5257' | 5400'  | Sand, shale, gas              |           |             |                     |
| Manco           | 5400' | 6398'  | Shale                         |           |             |                     |
| Gallup          | 6398' | 7182'  | Sand, shale, silt             | Greenhorn | 7182'       |                     |
| Greenhorn       | 7242' | 7284'  | Shale                         |           |             |                     |
| Dakota          | 7284' | 7284'  | ITD Sand, shale, gas          |           |             |                     |

Note: All depths expressed in terms of true.

Storey C 2M (formerly Storey C 2E) - Recompletion

MIRUSU 7/12/95

SICP 380#, SITP 260#, bled off pressure. TOH w/117 stands of tbg. THH w/RBP and set @ 7156'. Loaded hole and pressure tested to 1000#. Held ok. Spotted with 1 sack of sand. TOH w/tbg.

RU wireline and ran CBL from 3300-7118' and pulse echo log from 3690-7118'.

Start to pressure test to 300#. Unable to get past 2100# pumping in @ 1/2 bpm @ 1900#. THH w/pkr and found csg leak between 4530-4520'. TOH w/pkr. THH w/tbg and spotted 50 sxs Class B cement.

SITP 900#. TOH w/tbg and THH w/bit and scraper tagged up @ 4243'. Drilled out @ 4570'. Pressure tested to 100#. Held ok. Circ hole clean w/1120 and TOH w/bit and tbg.

Perf'd:

4935', 4980', 5076', 5124', 5189', 5197', 5213', 5218', 5231', 5245', 5259', 5261', 5263', 5268', 5339', 5371', 5394' w/1 jspf, .340 inch diameter, 120 degree phasing, 12 gms, total 18 shots fired

Frac'd Mesaverde with 502 sxs 16/30, 70% quality sand, 105,413#, 699,943 scf. Avg. pressure 3125#, Max 3920#, ISIP 2970#, 5 min 961#, 10 min 948#, 15 min 950#. Estimated bradenhead pressure 35#.

Tst'd from 4935-5394 recovered 501 bbls water.

THH and set RBP @ 4130' and spotted 1.5 sacks sand on plug and pressure tested to 1000#. Ok.

Perf'd:

3895', 3903', 3917', 3919', 4008', 4009', 4011', 4021', 4025', 4030' w/1 jspf, .340 inch diameter, 120 degree phasing, 12 grams, total 10 shots fired.

Frac'd Chacra w/194 sxs 16/30, 70% sand, 155,100#, Avg. inj pressure 2562#, ISIP 2150#, Max rate 25.0 bpm.

SITP 950# on 1/4 " choke for 8 hrs then to 1/2" choke. Could not latch onto plug the first time, TOH, THH w/short catch retainer head, latch onto plug, TOH.

Perf'd:

3894-3898', 3916-3920', 4005-4012', 4018-4025', 4028-4031', 4934-4938', 4978-4982', 5075-5078', 5123-5125', 5188-5190', 5192-5197', 5210-5221', 5235-5238', 5244-5246', 5258-5270', 5304-5307', 5337-5340', 5368-5371', 5392-5395', w/2jspf, .340 inch diameter, 120 degree phasing, 12 grams, total 204 shots fired.

THH w/tbg and landed @ 5384' to flow both zones.

Tst'd from 3894-5394, Recovered 17 bbls water on 32/64" choke.

THH to retrieve RBP @ 7156' and ran into 8' more of fill. Cleaned out from 7148-7156'. Latch onto plug and TOH.

THH tag @ 7492', pull tbg up to 7410' and flowed. THH, tag @ 7486', reland tbg @ 7410' and flowed well. Tag @ 7486', cleanout w/N2 to 7518'.

Land tbg @ 7424. RDMOSU 8/3/95.