

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

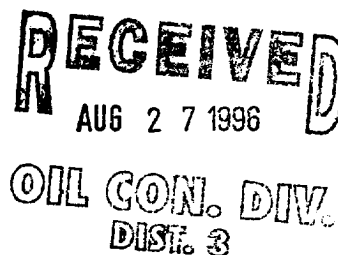
Form C-140
Originated 11/1/95

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: Jicarilla Apache 102 #7M API #: 3003922453
Location of Well: Unit Letter D, 790 Feet from the North line and 1055 Feet from the West line, Section 3, Township 26N, Range 4W, NMPM, Rio Arriba County.
- III. Date Workover Procedures Commenced: 10/19/95
Date Workover Procedures were Completed: 11/14/95
- 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:
Basin Dakota/Blanco Mesaverde/BS Mesa Gallup
- VII. AFFIDAVIT:
State of Colorado)
) ss.
County of Denver)

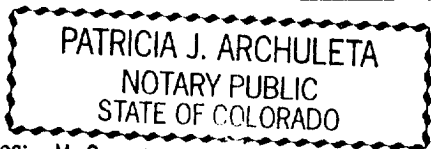


Patricia J. Haeefe, being first duly sworn, upon oath states:

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)

SUBSCRIBED AND SWORN TO before me this 21st day of August, 1996



Notary Public

My Commission expires: My Commission Expires 12/12/1999

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 11/14, 1995.

31.8

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: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other in-
structions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Apache 102	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESV. <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Recompletion		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201		8. FARM OR LEASE NAME, WELL NO. Jicarilla Apache 102 #7M	
(303) 830-4988		9. API WELL NO. (old 7E) 3003922453	
4. LOCATION OF WELL. (Report location clearly and in accordance with any State requirements)* At surface 790' FNL 1055' FWL At top prod. interval reported below At total depth		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
14. PERMIT NO.		11. SEC., T., R., M., OR BLOCK, AND SURVEY OR AREA Section 3 Township 26N Range 4W	
DATE ISSUED		12. COUNTY OR PARISH San Juan	
15. DATE STUDDERED 8/17/80		13. STATE New Mexico	
16. DATE T.D. REACHED 8/31/80		19. ELEV. CASINGHEAD	
17. DATE COMPL. (Ready to prod.) 11/14/95		18. ELEVATIONS (DF, RKB, RT, GR, Etc.) 7710' GR	
20. TOTAL DEPTH, MD & TVD 8407		21. PLUG BACK T.D., MD & TVD 8385	
22. IF MULTIPLE COMPL., HOW MANY? 3		23. INTERVALS DRILLED BY ROTARY TOOLS YES CABLE TOOLS NO	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Mesaverde 5656-6208		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9.625"	32.3#	322'	13.50"
7.000"	23.0#	4250'	8.75"
4.500"	10.5#	8407'	6.25"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
			SCREEN (MD)
			SIZE 2.375
30. TUBING RECORD			
DEPTH SET (MD)		PACKER SET (MD)	
5660'			
31. PERFORATION RECORD (Interval, size and number) See attachment			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
See attachment			
33. PRODUCTION			
DATE FIRST PRODUCTION 11/2/95		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing	
WELL STATUS (Producing or shut-in) S/I-WAITING ON PIPLN			
DATE OF TEST 11/9/95	HOURS TESTED 24	CHOKED SIZE 32/64	PROD'N FOR TEST PERIOD
FLOW TUBING PRESS	CASING PRESSURE 35	CALCULATED 24-HOUR RATE	OIL - DBL. 0
			GAS - MCF. 290
			WATER - DBL. 75
			OIL GRAVITY - API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold			
35. LIST OF ATTACHMENTS Perf & frac page			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			

ACCEPTED FOR RECORD

TEST WITNESSED BY
SRBU
RECEIVED

DEC 05 1995

SIGNED Patty Haebele

TITLE

Staff Assistant

ADMINISTRATIVE GROUP 1/15/95

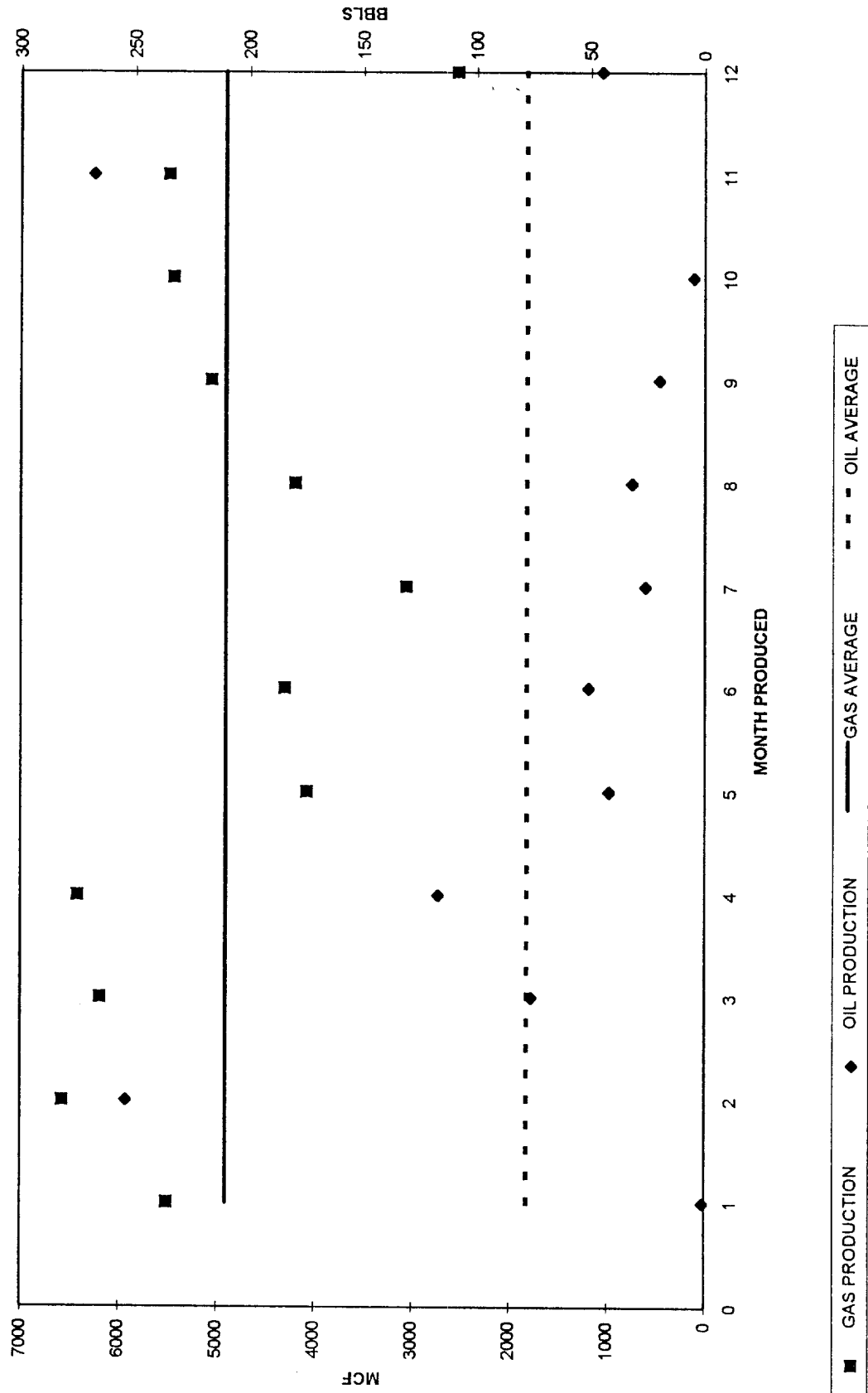
Jicarilla Apache 102 #7M

30-039-22453

Sec. 3 T26N R4W

MIRUSU 10/19/95. TP 545 psi. Mill up and pull production packer that was set at 8006 ft. Cleanout 8342-8372 ft. Set CIBP at 6350 ft. Test casing 1000 psi, held. Run CBL 3200-6350 ft. Perforate 6122-6142', 6152-6164', 6172-6184', 6194-6208' with 2 JSPP, .340" diameter, 116 total shots, 3.125" gun, 120 deg phasing, 12.5 gms. Acidize 6122-6208 with 12 bbls hydrochloric acid, 15% strength. Frac 6122-6208 ft with 282,972 lbs 16/30 Arizona sand; 1,435,462 scf, 70% quality, max pressure 3585 psi, max rate 37 bpm. RBP at 5900 ft. Topped off with 16' of sand barite. Pressure tested plug to 2900 psi, ok. Perforate 5656-5664', 5714-5736', 5756-5786' with 2 JSPP, 120 total shots, .340" diameter, 3.125" gun, 120 deg phasing, 12.5 gms. Frac 5656-5786 ft with 169,022 lbs 16/30 sn, 1,555,411 scf, 70% quality, max pressure 3957 psi, max rate 41 bpm. Screened out 70% into the 3// sand stage. Flow well. Cleanout 5308-5900 ft. Flow well. Cleanout 6210-6340 ft. Land tubing for Mesaverde production only at this time. Plug still in at 6350 ft to isolate Gallup and Dakota zones. RDMOSU 11/14/95.

STRAIGHT LINE METHOD



Jicarilla Apache 102 #7M

WELLNAME	WELLNO	POOL	FLAC	API	LOCATION	MONTH	OIL	GAS
Jicarilla Apache 102	7M	Basin Dakota/Blanco Mesaverde/BS Mesa Gallup		3003922453	D 3 26N 4W	10/94	1	5509
						11/94	254	6575
						12/94	76	6188
						01/95	117	6420
						02/95	42	4078
						03/95	51	4303
						04/95	26	3057
						05/95	32	4200
						06/95	20	5053
						07/95	5	5444
						08/95	268	5486
						09/95	45	2532
					12-month average - Projected Trend		78	4904