



Amoco Production Company

Southern Rockies Business Unit
Amoco Building
1670 Broadway
Post Office Box 800
Denver, Colorado 80201
303-830-4040

November 4, 1993

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
310 Old Santa Fe Trail
Post Office Box 2088
Santa Fe, New Mexico 87504

File: CAW-296-986.511

Application for Exception to Rule 303-A
Downhole Commingling
Jicarilla B-5E Well
1850' FNL, 870' FWL, Sec. 21, T26N-R5W
Basin Dakota and Tapacito Gallup Pools
Rio Arriba County, New Mexico

Amoco Production Company hereby requests administrative approval to downhole commingle production from the Basin Dakota and Tapacito Gallup pools in the Jicarilla B-5E well referenced above. The ownership (WI, RI, ORRI) of these two pools is identical in this wellbore. Production methods are limited due to the 4 1/2" casing in the well. Downhole commingling will offer an economical method of production while protecting against reservoir damage, waste of reserve and violation of correlative rights.

A copy of this application will be sent to the offset operators. If there are any questions concerning this matter, please contact me at (303) 830-5072.

Sincerely,

A handwritten signature in cursive script that reads "J. W. Hawkins".

J. W. Hawkins

Enclosures

cc: Wayne Branam
Lara Kwartin

Frank Chavez, Supervisor
Amoco District III
1000 Rio Brazas Road
Aztec, NW 87410

Marathon Oil Company
P. O. Box 552
Midland, TX 79702

Robert Kent
Bureau of Land Management
435 Montano NE
Albuquerque, NM 87107

Application for Exception to Rule 303-SEGREGATION OF PRODUCTION FROM POOLS

D. REQUIREMENTS

- (1) Name and address of the operator:

Amoco Production Company
P. O. Box 800
Denver, CO 80201

- (2) Lease name, well number, well location, name of the pools to be commingled:

Lease Name: Jicarilla/B/
Well Number: 5E
Well Location: 1850' FNL & 870' FWL
Sec. 21, T26N-R5W
Rio Arriba County, New Mexico
Pools Commingled: Tapacito, Gallup
Basin Dakota

- (3) A plat of the area showing the acreage dedicated to the well and the ownership of all offsetting leases.

Attached (Attachment I)

- (4) A current (within 30 days) 24-hour productivity test on Division Form C-116 showing the amount of oil, gas and water produced from each zone.

Attached (Attachment II)

- (5) A production decline curve for both zones showing that for a period of at least one year a steady rate of decline has been established for each zone which will permit a reasonable allocation of the commingled production to each zone for statistical purposes. (This requirement may be dispensed with in the case of a newly completed or recently completed well which has little or no production history. However, a complete resume of the well's completion history including description of treating, testing, etc., of each zone, and a prognostication of future production from each zone shall be permitted.)

Dakota Completion: Historical production curve attached, well was shutin from 1987-1992.

(Attachment III)

Gallup Completion: New completion, no production history available, completion report attached.

(Attachment IV)

- (6) Estimated bottomhole pressure for each artificially lifted zone. A current (within 30 days) measured bottom hole pressure for each zone capable of flowing.

Dakota Completion:	BH Press.	SI Tub. Press.	Fluid Level
Jicarilla B-5E	3560 psi	1090 psi	193

Gallup Completion:	BH Press.	SI Tub. Press.	Fluid Level
Jicarilla A-5	1827 psi	445 psi	3749

This well is immediate offset to the Jicarilla B-5E and has been shut-in for about 2 years. This is best estimate of SI BH Press. for the Gallup formation in this area.

- (7) A description of the fluid characteristics of each zone showing that the fluids will not be incompatible in the wellbore.

The fluids have no abnormal components that would prohibit commingling, or promote the creation of emulsions or scale (see attached produced gas and fluid analysis).

- (8) A computation showing that the value of the commingled production will not be less than the sum of the values of the individual streams.

<u>Dakota Production</u>		<u>Gallup Production</u>	
Oil, BOPD	5	Oil, BOPD	20
Gas, MCFD	80	Gas, MCFD	638
Water, BWPD	6	Water, BWPD	14

The combined production from the Gallup-Dakota formations will be approximately 718 MCFD/25 BOPD/20 BWPD. Since the BTU content and API gravities of the produced fluids are very similar, we would expect the commingled production to have the same value as the sum of the individual streams.

- (9) A formula for the allocation of production to each of the commingled zones and a description of the factors or data used in determining such formula:

Based on C-116 report:

	<u>Dakota</u>	<u>Gallup</u>
Gas -	$80/718 = 11\%$	$638/718 = 89\%$
Oil -	$5/25 = 20\%$	$20/25 = 80\%$

- (10) A statement that all offset operators and, in the case of a well on federal land, the United States Bureau of Land Management, have been notified in writing of the proposed commingling.

All offsetting operators will receive a copy of this application by certified mail. The offsetting operator is: Marathon Oil Co., P. O. Box 552, Midland, TX 79702.

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

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

OIL CONSERVATION DIVISION

GAS - OIL RATIO TEST

Operator Amoco Production Company		Pool Basin Dakota Tapacito Gallup		County Rio Arriba												
Address P. O. Box 800, Denver, CO 80201		TYPE OF TEST - (X) ☒ Scheduled ☐ Special		Completion ☐ Special ☒												
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBQ. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU FT / BBL.		
		U	S	T	R						WATER BBL.S.	GRAV. OIL	OIL BBL.S.		GAS MCF.	
Jicarilla /B/																
Dakota	5E		E	21	26N	5W	6-25-93	P 1 1/2"	250		24 hrs.	6	50.5	5	80	16,000
Gallup							8-2-93	P none-	255		24hrs.	14.4	58	20.4	638	31,275
								(245# back pressure)								

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.
Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 80° F.
Specific gravity base will be 0.60.
Report casing pressure in lieu of tubing pressure for any well producing through casing.

(Sec Rule 301, Rule 1116 & appropriate pool rules.)

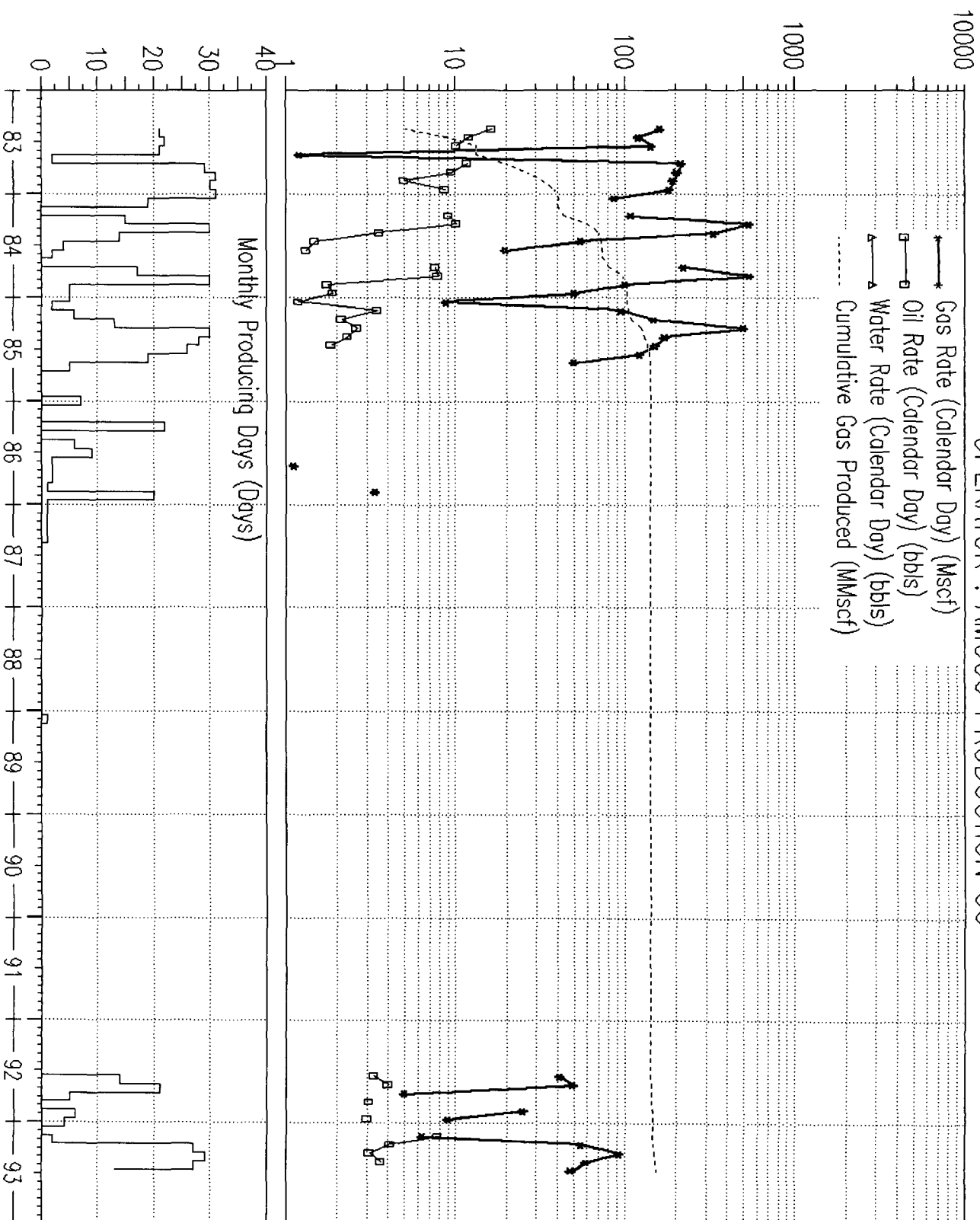
I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Signature Kelly Stearns
Kelly Stearns, Business Analyst
Printed name and title
Date 8-5-93 (303) 830-4457
Telephone No.

JICARILLA B 5E

WELL: 300392289900:DK

OPERATOR : AMOCO PRODUCTION CO



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions 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 ☐ GAS WELL ☒ DRY ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. JICARILLA CONTRACT 109	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☒ OTHER ☐ 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 (303) 830-4457		8. FARM OR LEASE NAME, WELL NO. JICARILLA /B/ #5E	
4. LOCATION OF WELL. (Report location clearly and in accordance with any State requirements)* At surface 1850' FNL 870' FWL At top prod. interval reported below At total depth		9. API WELL NO. 3003922899	
11. PERMIT NO.		12. COUNTY OR PARISH RIO ARriba	
DATE ISSUED		13. STATE NM	
15. DATE SPUDDED 06/21/82	16. DATE T.D. REACHED 07/06/82	17. DATE COMPLE. (Ready to prod.) 08/03/82	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6590' KB
19. ELEV. CASING HEAD 6578' GR	20. TOTAL DEPTH, MD & TVD 7500' KB		
21. PLUG, BACK T.D., MD & TVD 7456' KB	22. IF MULTIPLE COMPL., HOW MANY* 1	23. INTERVALS DRILLED BY YES	24. ROTARY TOOLS NO
25. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 6682'-6728' Gallup			26. WAS DIRECTIONAL SURVEY MADE NO
27. TYPE ELECTRIC AND OTHER LOGS RUN			28. WAS WELL CORED N

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#	295' KB	12 1/4"	240 CF CL-B + 2% CaCl ₂ + 1/4# / sq ft locale	
4 1/2"	11.5, 10.5#	7499' KB	8 3/4", 7 7/8"	1st: 622 CF econolite, 177 CF CL-B	
				2nd: 204 CF econolite, 118 CF CL-B	
Lower DV @ 4018' KB, Upper DV @ 2583' KB				3rd: 622 CF econolite, 118 CF CL-B	

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
					2 3/8"	not yet set
					w/on	commingling approval

PERFORATION RECORD (Interval, size and number)		ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
See Attached.		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		6682' - 6728'	See Attached.

PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or shut-in)	
08 02 1993		Flowing				SI w/on Pipeline	
DATE OF TEST	HOURS TESTED	CHOKE SIZE - NO CHOKE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
08 02 1993	24	245# back pressure		20.4	638	14.4	
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
255	380		20.4	638	14.4	58	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	TEST WITNESSED BY
To Be Sold	

35. LIST OF ATTACHMENTS
Note: RBP will be removed and tubing landed once downhole commingling is approved.

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

SIGNED Kelly Stearns TITLE Business Analyst DATE 08-04-1993

*(See Instructions and Spaces for Additional Data on Reverse Side)

Who is U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false,

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

31. 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 RECOVERY RATE

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOT. TIDE VERT. DEPTH
Ojo Alamo	2300'	2610'	Sand, shale, water			
Kirtland	2610'	2870'	Shale			
Fruitland	2870'	3012'	Sand, shale, coal, gas, water			
Pictured Cliffs	3012'	3098'	Sand, gas			
Lewis	3098'	3528'	Shale			
Chacra-	3528'	4690'	Shale, sand, gas			
Cliffhouse	4690'	4808'	Sand, gas, water			
Menefee	4808'	5215'	Sand, shale, coal, water, gas			
Point Lookout	5215'	5364'	Sand, water, gas			
Los	5364'	6244'	Shale			
Gatlin	6244'	7106'	Siltstone and shale	Greenhorn	7106'	
Graneros	7165'	7190'	Shale			
Dakota	7190'	TD	Sand, shale, gas			

NOTE: All depths expressed in terms of KB.

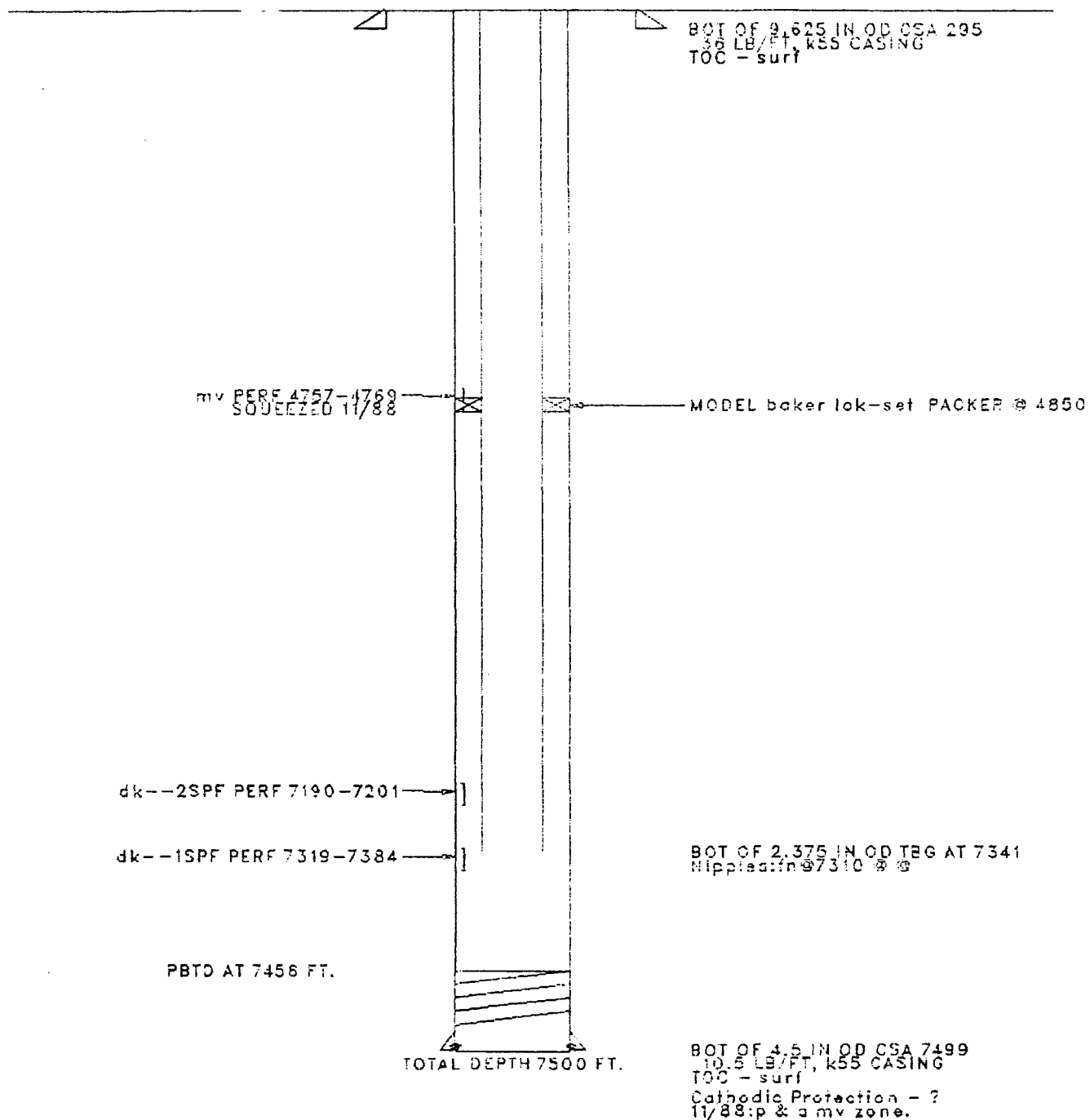
MIRUSU 6/30/93. NDWH,NUBOP. TIH TAG FILL AT 7377' KB, 76' OF FILL TO PBTD. TOH. TIH W/RBP AND PKR TO 5000'. SET RBP AT 7082 AND TEST, HELD. TOH W/40 STDS, SET PKR AT 4865'. TST INTERVAL FROM 4865' TO 7082' AT 4200 PSI, HELD. TOH TO 4740' SET PKR. TST CSG TO SURFACE, DID NOT TST. TOH TO 4680', SET PKR, TST CSG TO SURFACE. LOCATED CSG LEAK BETWEEN 2200' AND 2850'. TOH W/TBG AND PKR. RIG UP.

TIH PERF 6682' TO 6728' W/4 JSPF .38 INCH DIAMETER. RIG DN. TIH W/PKR TO 4880'. TST TBG TO 7500 PSI, HELD. TIH RET STD VALVE. TOH. SET PKR AT 4879'. TEST ALL LINES, HELD.

FRAC 6682' TO 6728' PUMP 95,000 GALLONS NITROGEN FOAM AND 192,000 POUNDS 20/40 SAND. AIP 5300PSI, AIR 35 BARRELS PER MINUTE.

REL PKR. PICKUP 2ND RBP AND PKR. TIH SET RBP AT 4859'. TOH 3 STDS SET PKR. TST MV SQZ TO 1000 PSI, HELD. TOH 38 STDS, TST CSG 1000 PSI HAVE A SLIGHT BLEEDOFF. TIH REL RBP. TOH RESET RBP AT 3152'. TOH SET PKR AT 2224'. LOAD CSG TST 2224' TO SURFACE TO 1000 PSI, HELD. TST DN TBG 3152' TO 2224'. LOCATE 2 SMALL LEAKS 2467' TO 2224'. RBP SET AT 3152'. DUMP SAND ON RBP. TOH W/PKR, TIH TBG TO 2567'. PMP 50 BBLS WATER TO CIRC HOLE CLEAN. MIX AND PUMP 8.4 BBLS CLS B CMT ACROSS LEAK INTERVAL TO 2224'. DISP CMT W/7 BBLS. TOH. SQUEEZE LEAKS AT 2000 PSI W/2.5 BBLS CMT. STAGE SQUEEZES TILL LEAKS MAINTAIN SQUEEZE PRESS AT 2000 PSI. TIH W/BIT. TAG CMT AT 2109'. DRL CMT TO 2609'.PRESS TST SQZ TO 1000 PSI, HELD. TOH. TIH W/RET, CIRC SAN OFF RBP AT 2906 '. REL PLG. TOH TO 6726' LAND TBG. NDBOP, NUWH. RDMOSU 07/21/93.

JICARILLA B 005E 154
Location - 21E- 26N- 5W
SINGLE dk
Orig. Completion - 8/82
Last File Update - 1/89 by JSF





1115 FARMINGTON AVE. - FARMINGTON, NM 87401

(505) 325-6622

ANALYSIS NO. AMO30289

WELL/LEASE INFORMATION

COMPANY: AMOCO PRODUCTION COMPANY PRESSURE: 245 PSIG
 WELL NAME: JICARILLA B #5E SAMPLE TEMP.: DEG. F
 LOCATION: DATE SAMPLED: 8/2/93
 FORMATION: GALLUP SAMPLE SRC:
 COUNTY: RIO ARRIBA, NM SAMPLED BY: CLEVE J NOBLE JR
 STATION NO.: TEST E-153 PROD FOREMAN: JAKE NUNEZ
 REMARKS:

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP. GR.*
NITROGEN	3.234	0.0000	0.00	0.0313
CO2	0.737	0.0000	0.00	0.0112
METHANE	72.253	0.0000	731.41	0.4002
ETHANE	13.929	3.7175	247.07	0.1446
PROPANE	6.230	1.7130	157.11	0.0949
I-BUTANE	0.858	0.2799	27.96	0.0172
N-BUTANE	1.637	0.5150	53.53	0.0329
I-PENTANE	0.465	0.1698	18.65	0.0116
N-PENTANE	0.349	0.1263	14.04	0.0087
HEXANE	0.308	0.1341	15.84	0.0099
TOTAL	100.000	6.6556	1265.61	0.7625

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.696 & 60 DEG. F

COMPRESSIBILITY FACTOR (1/2) 1.0038

BTU/CU.FT. (DRY) CORRECTED FOR (1/2) 1267.5

BTU/CU.FT. (WET) CORRECTED FOR (1/2) 1245.4

REAL SPECIFIC GRAVITY 0.7649

ANALYSIS RUN AT 14.696 PSIA & 60 DEGREES F

CYLINDER PRESSURE: 236 PSIG

CYLINDER NO.: GAS-AZT040

DATE RUN: 8/4/93

ANALYSIS RUN BY: CHELLE DURBIN

Post-It [®] brand fax transmittal memo 7571		# of pages <u>2</u>
To <u>Laura Kwartin</u>	From <u>John Boken</u>	
Co. <u>Amoco</u>	Co. <u>Halliburton</u>	
Dept.	Phone #	
Fax #	Fax #	

SERVICES
 RATORY
 REA
 ANALYSIS

To: Mr. Jake NunezDate: August 4, 1993AMOCO PRODUCTIONSubmitted by: _____ Date Rec. 8-3-1993Well No. Jicarilla B #5F Location: _____Sample Markings Gallup Formation

API Oil Gravity	<u>58 at 60°F</u>		
Specific Gravity	<u>1.006</u>		
pH	<u>6.25</u>		
Resisitivity	<u>0.684 at 80.7°F</u>		
Iron (Fe)	<u>16</u>	Milligrams per Liter	
Potassium (K)	_____	"	"
Sodium (Na)	<u>3,006</u>	"	"
Calcium (Ca)	<u>350</u>	"	"
Magnesium (Mg)	<u>71</u>	"	"
Chlorides (Cl)	<u>3,850</u>	"	"
Sulfates (SO ₄)	<u>3,000</u>	"	"
Carbonates (CO ₃)	_____	"	"
Bicarbonates (HCO ₃)	<u>468</u>	"	"
Total Dissolved Solids	<u>10,761</u>	"	"

By Mike UlrichTitle Lab TechLocation Farmington, NM**NOTICE:**

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or its use.

M.U.

HALLIBURTON DISTRICT LABORATORY
WATER ANALYSIS DATA SHEETAnalysis Date: 8-6-93

Report No. _____

AMOCO

Analyzed By _____ Date Received _____

Number JICARILLA B #5ELocation _____ Formation DAKOTAData For ReportSpecific Gravity 1.005pH 7.72

Ion	Calculation	ppm
Fe Log		6
K +T		<10
Na +T		3042
Ca		117
Mg		7
Cl		1686
SO4 Log		3400
CO3		
HCO3		1317
TDS		9545

Rw .95 @ 80.5°F

Notes

Report is based on sound engineering practices, but because of variable well conditions and other information which must be relied upon, Halliburton makes no warranty, express or implied, as to the accuracy of the data or of any calculations or opinions expressed herein. You agree that Halliburton be liable for any loss or damage whether due to negligence or otherwise arising out of or in connection with such data, calculations or opinions.

SENT BY: NWP-SLC/FAX 8018848488 8-8-83 10:08AM
TSDM630

NWP-SALT LAKE-808

P.2/2
P.1:# 1/ 1

QUALITY DATA SCREEN

SCREEN NBR: _

14.73 0 60 F

TRAN CODE: I

METER NBR:

85786 - 01 P

CHECK DIGIT: _

METER NAME:

JICARILLA B #52 CONG

SEG CREATE DATE: 070293

SEG EFFECT DATE: 063093

SEG EFFECT TIME: 1530

DATE PULLED: 062393

MOL %

GPM

MOL %

GPM

CH4 METHANE: 82 . 824

11.783

C2 ETHANE :

10 . 792

2.885

C3 PROPANE: 03 . 303

.964

IC4 ISO BUT :

00 . 429

.140

NC4 BUTANE : 00 . 681

.215

IC5 ISO PEN :

00 . 158

.061

NC5 PENTANE: 00 . 133

.048

C6 HEXANE :

00 . 177

.077

C7 HEPTANE: 00 . 000

.000

C8 OCTANE :

00 . 000

.000

C9 NONANE : 00 . 000

.000

C10 DECANE :

00 . 000

.000

N2 NITROGEN: 00 . 481

.000

CO2 CARBON :

00 . 841

.142

SPECIFIC GRAV: 0 . 578

DRY BTU 1178

MOL %

GRAINS/CCF

MOL %

#/MMCF

H2S SULFUR : 00 . 000

.00

H2O WATER : 000

00

01701 - INQUIRY SUCCESSFULLY COMPLETED

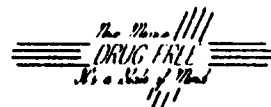


STATE OF NEW MEXICO

ENERGY, MINERALS and NATURAL RESOURCES DIVISION

OIL CONSERVATION DIVISION

AZTEC DISTRICT OFFICE



BRUCE KING
GOVERNOR

OIL CONSERVATION DIVISION
RECEIVED

ANITA LOCKWOOD
CABINET SECRETARY

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

Date: 1993 DEC 20 AM 9 49
12/15/93

DK-956

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

RE: Proposed MC _____
Proposed NSL _____
Proposed WFX _____
Proposed NSP _____

Proposed DHC X _____
Proposed SWD _____
Proposed PMX _____
Proposed DD _____

Gentlemen:

I have examined the application received on 11/15/93

for the *Amoco* OPERATOR *Jimmie B #5E* LEASE & WELL NO.

E-21-26N-SW and my recommendations are as follows:
UL-S-T-R

Approve

Yours truly,

3.1.8