DATE IN	11/21/971	SUBPENSE 12/11/97   ENGINEER DC   LOGGED BY, KU   TYPE DHC
· · ·	( [	LABOVE THIS LINE FOR DIVISION USE ONLY
		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -
		ADMINISTRATIVE APPLICATION COVERSHEET
	THIS COVERSH	EET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
Applic		[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] vnhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] salified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF AI [A]	PLICATION - Check Those Which Apply for [A]         Location - Spacing Unit - Directional Drilling         NSL       NSP         DD       SD    NOV 2 1 1997
	Check [B]	One Only for [B] and [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
[2]	NOTIFICAT [A]	<b>FION REQUIRED TO: -</b> Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners
	[B]	Offset Operators, Leaseholders or Surface Owner
	[C]	Application is One Which Requires Published Legal Notice
	[Ų]	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	[E]	I For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	U Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Robin	s.	McCarley
Print or '	Гуре	Name

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Rolen A	Marley	Tech.	Admn.	
Signature	F	Title		

11/19/97 Date



November 19, 1997

State of New Mexico Oil Conservation Division 2040 S. Pacheco Santa Fe, NM 87505-6429

Re: Laura J. May Lease, Well #1 Unit H, Section 27-T22S, R37E Lea County, New Mexico

Gentlemen:

Your administrative approval is requested for an exception to Rule 303-C to permit down-hole commingling of the Blinebry and Drinkard production in the subject well.

Please find enclosed all pertinent data regarding this application as outlined in Rule No. 303-C.

Sincerely,

Rolen S. M Carley

Robin S. McCarley Technical Administrator

Enclosures

cc: State of New Mexico Oil Conservation Division P. O. Box 1980 Hobbs, New Mexico 88240-1980

## DISTRICT I

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P.O. Box 1980, Hobbs, NM \$8241-1980 <u>DISTRICT II</u> 811 South First St., Artesie, NM 88210-2835 <u>DISTRICT III</u> 1000 Rio Brazos Rd, Aztec, NM 87410-1893

## State of New Mexico Energy, Minerals and Natural Resources Department OIL CONSERVATION DIVISION 2040 S. Pacheco Santa Fe, New Mexico 87505-6429

4. A. -

APPROVAL PROCESS:

Form C-107-A New 3-12-96

\_\_\_\_ Administrative \_\_\_\_Hearing

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

X YES NO

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Arch Petroleum Inc. 10 Desta Drive, Suite 420E Midland, Texas 79705 Address

L0830	Well No. Unit Ltr.	• Sec • Twp • Rga Seacloo Li	County nit Lesse Types: (check 1 or more)					
OGRID NO Property Code	API NO							
	Upper Salas and Salas	An						
1. Pool Name and Pool Code	(06660) Blinebry		(19190) Drinkard					
2. Top and Bottom of Pay Section (Perforations)	5454-5920		6402-6458					
3. Type of production (Oil or Gas)	Oil		Oil					
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift					
5. Bottomhole Pressure Oil Zones - Artificial Lift: das & Oil - Flowing: Measured Current	a. (Current) 850	a.	a. 1100					
All Gas Zones: Estimated Or Measured Original	b. (Originai)	b.	b.					
6. Oil Gravity ( <sup>°</sup> API) or Gas BTU Content	38.6		37.8					
7. Producing or Shut-In?	Producing		Shut-in					
Production Marginal? (yes or no)	Yes		Yes					
<ul> <li>If Shut-in, give date and oil/gas/ water rates of last production</li> <li>Note: For new zones with no production history, applicant shall be required to attach production</li> </ul>	Date: Rales:	Date: Rates:	Date: 09/10/96 Rates: 3 BO 17 MCF 1 BW					
<ul> <li>estimates and supporting data</li> <li>If Producing, give date andoil/gas/ water rates of recent test (within 60 days)</li> </ul>	Dato: 09/27/97 Rates: 12 BO 101 MCF 7 BW	Date: Rates;	Date: Rates:					
8. Fixed Percentage Allocation Formula -% for each zone	011: Gas: 86 %	Oil: Gas: %	011: Gas: 20 % 14 %					
9. If allocation formula is based submit attachments with sup								
10. Are all working, overriding, a if not, have all working, over Have all offset operators been	nd royalty interests identical in riding, and royalty interests be given written notice of the pro	all commingled zones? en notified by certified mail? posed downhole commingling?	X Yes No Yes No X Yes No					
	ed, and will the allocation form	iula be reliableYes	No (If No, attach explanation					
12. Are all produced fluids from a								
13. Will the value of production b 14. If this well is on, or communi								
14. If this well is on, or communi United States Bureau of Land								
<ul> <li>15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). <u>DHC-677</u></li> <li>16. ATTACHMENTS: <ul> <li>C-102 for each zone to be commingled showing its spacing unit and acreage dedication.</li> <li>Production curve for each zone for at least one year. (If not available, attach explanation.)</li> <li>For zones with no production history, estimated production rates and supporting data.</li> <li>Data to support allocation method or formula.</li> <li>Notification list of all offset operators.</li> <li>Notification list of working, overriding, and royalty interests for uncommon interest cases.</li> <li>Any additional statements, data, or documents required to support commingling.</li> </ul> </li> </ul>								
I hereby certify that the information above is true and complete to the best of my knowledge and belief.								
SIGNATURE Rolan &	1. M Carley	TITLE Tech. Admn.	DATE11/19/97					
TYPE OR PRINT NAME <u>Robin</u>	S. McCarley	TELEPHONE NO. (	915 ) 685-1961					

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ARCH PETROLEUM INC. Laura J. May Lease, Well #1 Blinebry & Drinkard Lea County, New Mexico

Approval is requested for an exception to Rule 303-C to permit down-hole commingling of the Blinebry and Drinkard production in the subject well.

These zones are currently being down-hole commingled in our Lea ACL State #1 under Administrative Order DHC-677.

Currently, production from the Blinebry is being pumped into a tank and a Retrievable Bridge Plug is set at 6215'.

The fluids show no evidence of incompatibility; therefore, down-hole commingling is not expected to result in reservoir damage. Ownership in the two pools is common and correlative rights will not be violated.

Should secondary recovery operations become practical in the future, the two zones could be separated without damaging either reservoir.

Offset operators have been notified of the intent to down-hole commingle the subject well by letter dated November 19, 1997.

<u>Katen S. M'Carley</u> Robin S. McCarley

**Technical Administrator** 

#### WELLBORE DIAGRAM

LOCATION: SEC 27, 22S-37E

LEA CO., NM

KB =

GL =

PRODUCING ZONE :

1830' FNL & 480' FEL OF SEC.

BLINBRY

3325

WELL : LAURA J. MAY # 1 FIELD: BLINBRY & DRINKARD SPUDDED: COMPLETION DATE: 8/4/1980 API # :

DATA:

A. 1

# Surface Casing : 8 5/8" @ 1150' RKB W/ 550 SX, CMT CIRC **Tubing String :** 2 3/8 Rods & Pump data : PERF 2900 & SQ W/ 175 SX DV TOOL @ 3126', CMT W/ 1400 SX BLINBRY PERFS 5454, 59, 66, 76, 87, 5505, 85, 91, 5621, 55, 71, 80, 85, 5703, 13, 18, 60, 5806, 24, 56, 76, 86, 5901, 08, & 20 W/ 2 JSPF ( 50 HOLES) RET BP @ 6215 DRINKARD PERFS 6402-04, 24-26, 40-42, & 57-58 W/ 2 JSPF (16 HOLES) CMT RET @ 6479', SQ W/ 125 SX PERFS 6502-30 CMT RET @ 6560' PERFS 6569-6642 5 1/2" 15.5# K-55 @ 6700' RKB W/ 700 SX, CMT CIRC

PBTD

TD = 6700'

### PUMPING UNIT:

### CHRONO:

8-80 HAD WATER FLOW ON SURFACE. PERF & SQ @ 2900' W/ 75 SX. SQ 8 5/8 W/ 500 SX PERF 6502-04, 6528-30, 6569-71, 6615-17, & 6640-42 W/ 2JSPF (20 HOLES), ACD W/ 2800 GALS SQ PERFS @ 2900 W/ 100 SX. SQ PERFS 6502-30. PERF 6402-04, 6424-26, 6440-42, 6457-58, W/ 2JSPF (16 HOLES) ACD W/ 2500 GALS 15 %, FRAC W/ 30M GALS & 36M# 20/40 SN , IPP 37 X 25 X 81 11-96 3BOPD X 17 BWPD X 1 MCFD

1-97 SET RBP & PERF BLINBRY 5454-5920 OA. ACD W/ PPI TOOL W/ 2700 GALS 15 % NEFE. FRAC W/ 38.3 M GALS & 141 M # 16/30 SN @ 38 BPM. IPF 40 BOPD X 12 BWPD X 207 MCFD

#### WELLBORE DIAGRAM

WELL: LAURA J. MAY # 1 FIELD: BLINBRY & DRINKARD SPUDDED: COMPLETION DATE: 8/4/1980 API # :

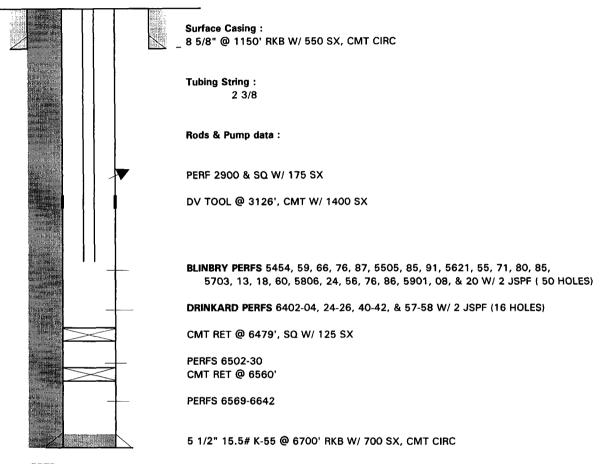
, **`** 

DATA:

· . '

LOCATION: SEC 27, 22S-37E 1830' FNL & 480' FEL OF SEC. LEA CO., NM PRODUCING ZONE : BLINBRY KB = GL = 3325

PROPOSED COMPLETION



PBTD

TD = 6700'

#### PUMPING UNIT:

### CHRONO:

8-80 HAD WATER FLOW ON SURFACE. PERF & SQ @ 2900' W/ 75 SX. SQ 8 5/8 W/ 500 SX PERF 6502-04, 6528-30, 6569-71, 6615-17, & 6640-42 W/ 2JSPF (20 HOLES), ACD W/ 2800 GALS SQ PERFS @ 2900 W/ 100 SX. SQ PERFS 6502-30. PERF 6402-04, 6424-26, 6440-42, 6457-58, W/ 2JSPF (16 HOLES) ACD W/ 2500 GALS 15 %, FRAC W/ 30M GALS & 36M# 20/40 SN , IPP 37 X 25 X 81
11-96 3BOPD X 17 BWPD X 1 MCFD

1-97 SET RBP & PERF BLINBRY 5454-5920 OA. ACD W/ PPI TOOL W/ 2700 GALS 15 % NEFE. FRAC W/ 38.3 M GALS & 141 M # 16/30 SN @ 38 BPM. IPF 40 BOPD X 12 BWPD X 207 MCFD District I PO Box 1980, Hobbs, NM 88241-1980

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District II

811 South First, Artesia, NM 88210

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

District IV 2040 South Pacheco, Santa Fe, NM 87505

# State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Form C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

,API Number 30-025-26480				2Pool Code 3Pool Name 19190 Drinkard								
	4Property Code 5Property Name 014916 Laura J. May							هWell Number 1				
<sup>7</sup> OGRID No. 000962 Arch Petroleur					sOp	erator	Name		<u> </u>		∍Elevation 3335	
	<u> </u>						_ocation					
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									Signature Robin S. N		/	T
								14 80 <sup>°</sup> 1	Printed Name			
								( <del></del> )	Technical Title	Administ	rator	
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District I PO Box 1980, Hobbs, NM 88241-1980

District II 811 South First, Artesia, NM 88210

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

District IV 2040 South Pacheco, Santa Fe, NM 87505 State of New Mexico

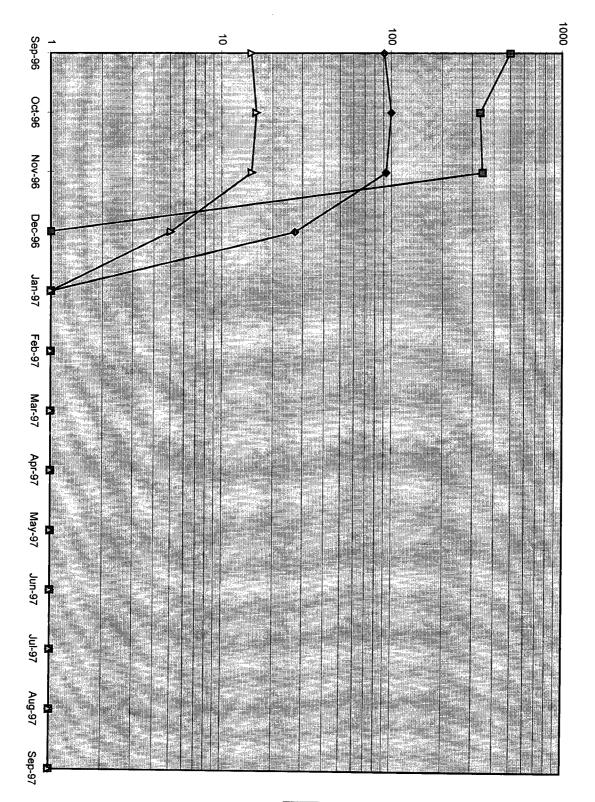
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Form C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

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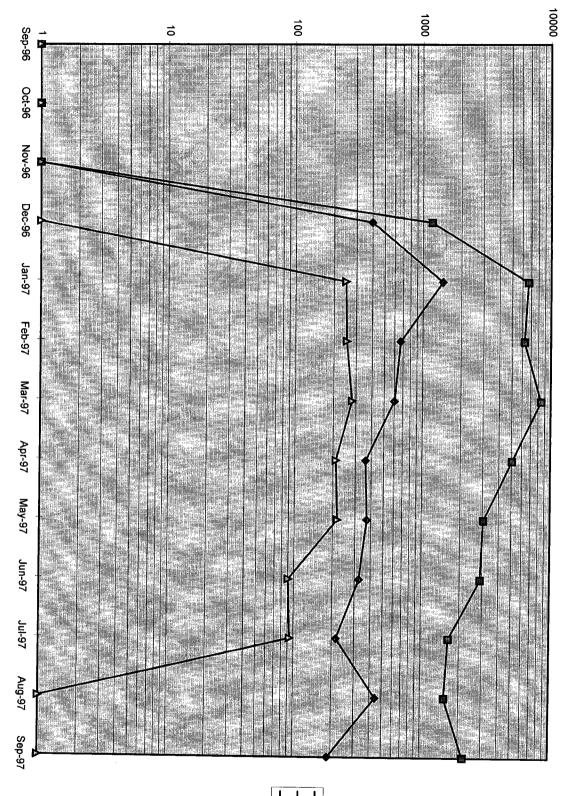


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- Oil (BBLS) - ⊞- Gas (MCF) - A- Water (BBLS)



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November 19, 1997

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Re: DHC - Laura J. May#1 Unit H, Sec. 27, T22S, R37E Lea County, New Mexico

To: All Offset Operators

We are enclosing our application to down-hole commingle the production from the Blinebry and Drinkard zones in the above well.

We have previously obtained permission to down-hole commingle these same zones in our Lea ACL State #1 under DHC-677

If you have any questions, please call me at (915) 685-1961.

Sincerely,

Rotin S. Marley

Robin S. McCarley Technical Administrator

Enclosures

Arch Petroleum Inc.

Laura J. May Lease, Well #1 Lea County, New Mexico

**Offset Operators** 



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Anardarko Petroleum Corporation P. O. Box 2497 Midland, Texas 79702

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DHC-1767



STATE OF NEW MEXICO

# ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

GOVERNOR

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC		
DHC	<u> </u>	
NSL <sup>-</sup>		
NSP <sup>-</sup>		
SWD		
WFX		
PMX <sup>_</sup>		

Gentlemen:

I have examined the application for the:

aura I May #1 -H-27-225-37e No. Operator ease &

\_\_\_\_\_

and my recommendations are as follows:

Jone

Yours very truly,

Chris Williams Supervisor, District 1

/ed