CASE 6685: ARCO OIL AND GAS COMPANY FOR DOWNHOLE COMMINGLING, LEA COUNTY, NEW MEXICO

CASE NO.

APPliCation, Transcripts, Small Exhibits,

ETC.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 6685 Order No. R-6148

و من

APPLICATION OF ARCO OIL AND GAS COMPANY FOR DOWNHOLE COMMINGLING, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on October 2, 1979, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this <u>18th</u> day of October, 1979, the Division Director, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be granted.

IT IS THEREFORE ORDERED:

That Case No. 6685 is hereby dismissed.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO QIL CONSERVATION DIVISION JOE D. RAMEY Director

SEAL fd/



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT **OIL CONSERVATION DIVISION**

BRUCE KING LARRY KEHOE

5

POST OFFICE BOX 2068 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-2434

October 18, 1979

Mr. J. L. Tweed District Engineer ARCO Oil and Gas Company Post Office Box 1610 Midland, Texas 79702

CASE NO. 6685 Re: ORDER NO. R-5143

Applicant:

ARCO Oil and Gas Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Pours very truly, m Û JOE D. RAMEY Director

JDR/fd

Copy of order also sent to:

Hobbs OCD	x
Artesia OCD	<u>×</u>
Aztec OCD	

Other

1888 - N**A**



	-				Page	2
<i>,</i>		1		MR. STAMETS:	Call next Case	6685.
		2			Application of	
	• /	3	Gas Company for		-	l III III III III III III III III III I
	•	4	and company for	с	This case will	
		5	upon the motion			. De Gramtaser
		. 6	upon the motion	Of the approan	. Շ.	
				/***. · · · · · · · · · · · · · · · · · ·		
		7		(Hearing conc	luded.)	
		8				
		9				
	\sim	NOL				
	2	THOME 12				
		Ø 8 5 5 14				
	: : :	15				
		16				
		17				
		18				
		19			•	
		20				
	•	21	•			
		22				
		23		- -		
		24	-			
		25				·
	E contraction de la trac	a the first of the state of the	ار با می از می	ی این میرون این از در منطقه این استفاد می است.		
		4				n in the second seco
			•			
			با محمد المحمد المحمد المحمد الم			
						4 - 4
				4.2 1	 Markan Markan 	

ţ

Page 3

REPORTER'S CERTIFICATE

I, SALLY W. BOYD, a court reporter, DO HEREBY CERTIFY that the foregoing and attached Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability from my notes taken at the time of the hearing.

Stely W. Boyd C.S.R.

rat the foregoing is of the proceedings in I do ha the Examiner maring of Case no. 6683 10 heard by me on **走**, Examiner Oil Conservation Division

SALLY WALTON BOYE ERTITRED SHORTHAND REPORTE 110 Parts Plances (515) 411-141 Basta Pa, New Maridoo 17341 1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

	1 2 3 4 5 6 1N THE 8 9	ENERGY AND M Oil Conse State La Santa F 2 Oc EXAMIN MATTER OF:))) CASE) 6685)
SALLY WALTON BOYD CENTRED SHORTHAND REPORTER 2012 Parts Blance (101) 171-2403 Busta Po, Now Maridoo 1719.1	10 11 12 13 14 15 16	TRANSCR APPE	IPT OF HEARING A R A N C E S	
	17 Divis: 18 19 20 21 22 23	Oil Conservation ion:	Ernest L. Padill Legal Counsel fo State Land Offic Santa Fe, New Me	e Bldg.
	24			

MR. STAMETS: Call next Case 6685. MR. PADILLA: Application of ARCO Oil and Gas Company for downhole commingling, Lea County, New Mexico. MR. STAMETS: This case will be dismissed upon the motion of the applicant.

SALLY WALTON

(Hearing concluded.)

REPORTER'S CERTIFICATE

SALLY WAILTON BOY

I, SALLY W. BOYD, a court reporter, DO HEREBY CERTIFY that the foregoing and attached Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability from my notes taken at the time of the hearing.

Sally W. Boyd, C.S.R.

I do hence to this that the foregoing is a complete contra office (coopedings in the Exerciser nearing of Cuse rio. heard by me on____

Oil Conservation Division, Examiner

ARCO Oll and Gas Company Permian District Post Office Box 1610 Midland, Texas 79702 Telephone 915 684 0201 Jerry L. Tweed District Engineer



September 24, 1979

Case 6685

Mr. Joe D. Ramey Oil Conservation Division New Mexico Department of Energy and Minerals P. O. Box 2088 Santa Fe, New Mexico 87501

RE: Downhole Commingling Application J. R. Cone "A" No. 2 Section 26, T21S, R37E

Dear Sir:

By letter dated August 27, 1979, we applied for administrative approval for downhole commingling on the subject well. Because the Drinkard Zone was producing only gas, the application was placed on the docket for a hearing on October 2, 1979. We have since discovered that the ownership of the two zones are not common and respectfully withdraw our application. We apologize for the inconvenience but we ask that the hearing and our application be cancelled.

Very truly yours,

hvee

J. L. Tweed District Engineer

JLT/gb

cc: NMOCC Area Supervisor-Hobbs Continental Oil Company-Hobbs Exxon Inc.-Midland Getty Oil Company-Midland

ARCO Oll and Gas Company is a Division of Atlantic Richfield Company

Page 3 of 4

Examiner Hearing - Tuesday - October 2, 1979

Docket No. 38-79

CASE 6682: (This case will be dismissed.)

Application of Yates Petroleum Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Mississippian formations underlying the N/2 of Section 28, Township 18 South, Range 29 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

Application of Read 6 Stevens, Inc. for an unorthodox well location and non-standard oil proration CASE 6683: unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Devonian test well to be located 330 feet from the North line and 100 feet from the West line of Section 6, Township 11 South, Range 37 East, Lots 5 and 6 of said Section 6 to be dedicated to the well as a non-standard 49.33-acre proration unit.

Application of CO₂-In-Action, Inc. for creation of a new carbon dioxide gas pool and special pool CASE 6684: rules, Harding County, New Mexico. Applicant, in the above-styled cause, seeks the creation of the North Bueyeros-Santa Rosa CO2 Gas Pool and the promulgation of special pool rules therefor, including a provision for 40-acre spacing and proration units. Said pool would comprise all or parts of Sections 1 thru 4, Township 20 North, Range 30 East, and Sections 8, 9, 10, 15, 16, 17, 20, 21, 22, 27, 28, 32, 33 and 34, Township 21 North, Range 30 East.

CASE 6685: Application of ARCO Oil and Gas Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Blinebry and Drinkard production in the wellbore of its J. R. Cone A Well No. 2 located in Unit L of Section 26, Township 21 South, Range 37 East.

CASE 6686: Application of Mess Petroleum Company for an exception to Order No. R-111-A, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the casing-cementing rules of Order No. R-111-A to permit a well to be drilled in Unit F of Section 6, Township 20 South, Range 31 East, without a salt protection string and to circulate cement on the production string. Applicant also seeks the same exception for a possible future well in Unit E of said Section 5.

Docket No. 39-79

DOCKET: COMMISSION HEARING - WEDNESDAY - OCTOBER 3, 1979

OIL CONSERVATION COMMISSION - 9 A.H. - ROOM 205 STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

CASE 6652: (Continued from September 19, 1979, Examiner Hearing)

Application of Shell Oil Company for statutory unitization, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order unitizing, for the purpose of a pressure maintenance project, all mineral interests in the North Hobbs Grayburg-San Andres Unit encompassing 10,650 acres, more or less, underlying all or portions of the following lands in Les County, New Mexico: Sections 13, 14, 23, 24, 25, 26, and 36, Township 18 South, Range 37 East; Sections 17 through 21 and 27 through 34, Township 18 South, Range 38 East.

The unitized interval would be the Grayburg-San Andres Formation between the depths of 3,698 feet and 4,500 feet in Shell's State A Well No. 7, located in Unit H of Section 32, Township 18 South, Range 38 East.

Among the matters to be considered at the hearing will be the necessity of unit operations; the designation of a unit operator; the determination of the horizontal and vertical limits of the unit area; the determination of a fair, reasonable, and equitable allocation of production and costs of production, including capital investment, to each of the various tracts in the unit area; the deter-mination of credits and charges to be made among the various owners in the unit area for their investment in wells and equipment; and such other matters as may be necessary and appropriate for carrying on efficient unit operations, including, but not necessarily limited to, unit voting procedures, selection, removal, or substitution of unit operator, and time of commencement and termination of unit operations.

ARCO Oil and Gas Company

Permian District Post Office Box 1610 Midland, Texas 79702 Telephone 915 684 0109

August 27, 1979

Case 6685

Mr. Joe D. Ramey Oil Conservation Division New Mexico Department of Energy & Minerals P. O. Box 2088 Santa Fe, New Mexico 87501

RE: Downhole Commingling Application J. R. Cone A No. 2 Section 26, T-21-S, R-37-E

Dear Sir:

ARCO Oil and Gas Company requests administrative approval under the provisions of Rule 303-C to commingle downhole production from the Blinebry and Drinkard zones of the J. R. Cone A No. 2 located in Section 26, T-21-S, R-37-E, of Lea County, New Mexico.

Production on this lease is presently being commingled in the surface facilities (Order #PC-228) with no evidence of fluid incompatibility. Since the crudes are commingled at the battery before sale, no change in value will result from commingling the production downhole. Ownership of both zones is common and correlative rights will not be violated.

This well produces from a maximum depth of 6174' and is therefore allowed a commingled production rate up to 40 BOPD. The water production limit is 40 BWPD from each zone.

The J. R. Cone A No. 2 produces 5 BOPD + 0 BWPD + 19 MCFPD under artificial lift from the Blinebry zone. Estimated bottom hole pressure is 511 psia.

Drinkard production is by natural flow. Presently this zone produces 189 MCFPD from a measured bottom hole pressure of 370 psig. The last Drinkard oil production was in February, 1979.



ARCO Oil and Gas Company is a Division of Atlantic RichlieldCompany

Additional information, such as decline curves, Form C-116-A, List of Offset Operators, and lease and well information is included as required by Rule 303-C. Offset operators are being notified by registered mail with a copy of this application.

Thank you for your consideration.

Very truly yours,

II Sweed

J. L. Tweed

KG:ad

cc: Offset Operators NMOCC Area Supervisor P. O. Box 1980 Hobbs, New Mexico 88240



1. Operator:

ARCO 011 and Gas Company P. O. Box 1610 Midland, Texas 79702

J. R. Cone A No. 2 1980' FSL, & 660' FWL Sec 26, T-21-S, R-37-E Lea County, New Mexico

3. Producing Zones:

2. Lease, Well & Location:

Blinebry - natural flow Drinkard - pump

4. Current Production:

Blinebry - Oil - 5 BOPD Water - 0 BWPD Gas - 19 MCFPD Drinkard - Oil - 0 BOPD Water - 0 BWPD Gas - 189 MCFPD

5. Commission Number authorizing dual completion:

DC-308

- 6. Fluid compatibility & Value: Lease production has been commingled in the surface facilities (#PC-228) with no evidence of fluid incompatibility. Because this is before sale, no change in value will result from downhole commingling.
- 7. Decline curves: Enclosed
- 8. Bottom hole pressures: Blinebry 511 psi (estimated) Drinkard - 370 psi (measured)
- 9. Offset Operators are being notified by registered mail with a copy of this application.



OIL CONSERVATION DIVISION

OFFSET OPERATORS

Continental P. O. Box 460 Hobbs, New Mexico 88240

Exxon P. O. Box 1600 Midland, Texas 79702

Getty Oll Company P. O. Box 1231 Midland, Texas 79702



ĺ

NEW MEXICO OIL CONSERVATION COMMISSION GAS - OIL RATIO TESTS

ARCO OIL & GAS COMPANY ivision of Atlantic Richfiel		any_	i'au		rinker	rd	·			1:0	ounly L	Lea				
P.O. Box 1710, Hobbs,			8824			<u>ا</u> ۲		E OF T - (X)	Se	cheduled		Con.;	upterion [ectal 🕅
LEASE NAME	WELL NO.	.	LOC,		N R	DATE OF TEST	57.47.05	CHOKE SIZE	E TBG. P.RESS.	1 ALLOW-		WATER	R CRAV.		CAS	GAS - O RATIC CU.FT/B
J.R. Cone "A"	2	F	5	185	28F:	7-27-79	F	32/64	75	0	24		38.6		189	0-
Above is a 24 hr. pro	oductiv:	ity 1	test p	repar	satory	y to comming	gli	ng dow	n hole	with th	ie Blf	hebry	011 S	Gas z	:one.	
•																
												-	7			
an a													NOISIVIG N			
												ECEIV	AUG3 1 S	CONSERVATION SANTA FE		
No well will be seeigned an allo During gas-oil ratio test, each located by more than 25 percent. Oper- increased allowables when authorized by	well shall rains is enco by the Comm	ll be pro couruged mission,	roduced et od to toke n.	et a role le advants	e not exc tage of th	icceding the top un this 25 percent toi	unit el deren	ailowabie fe nce in orde	er that wei	ti can be assi	signed	is tru		complete	hat the above to the bes	
Gas volumes must be reported in will be 0.60. Report casing pressive in lieu of Usil original and one copy of i Rula 101 and appropriate pool sules.	of tubing pre	lessure l	for any w	well produ	ducing the	wough casing.						A	<u>) L.</u>	Shq.	ickelfi Signatures	erf_
•	and the state of the state of the	N-Maria di Kasi			-		متناج			and the second second	المرجد والتقور	Eng	ere. T	Tech. S	Spec.	
							₩259900.7-	2000-Congramment -	· (29)							

NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

Creativer ARCO OIL & GAS COMPANY Provide Country Country Division of Atlantic Richfield Company · Blinebry Oil & Gas Lea			
UIVISION OF AFLANTIC XICHTIELD COMPANY · · · · · · · · · · · · · · · · · · ·			
Division of Atlantic Richfield Company · Blinebry Oil & Gas Lea			
P.O. Box 1710, Hobbs, New Mexico 88240 TEST - (X) Scheduled Completion		Spe	cial 🔀
WELL LOCATION DATE OF CHOKE TBG. DAILY CANTA PROD. DU	RING T	EST	GAS - C
LEASE NAME	016	CAS	RATI
NO. U S T R TEST & SIZE PRESS ABLE HOURS BOLS. OIL	30L S	H.C.F.	CU.FT/I
			.
J.R. Cone "A" 2 F 5 18S 28E 7-14-79 P 5 24 -0- 38.6	5	19	3800
	ļ		
Above is a 24 hr. productivity test preparatory to commingling down hole with the Drinkard zone.		2	
	1		
	\mathbf{x}		
	คน		
	EE		
	SANTAF		
U E I I	SN		
D Z	CCNS:		
	=		
No well will be assigned an allowable greater than the amount of oil produced on the official test. 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 Commission. Gas volumes must be reported in MCF measured at a pressure base of 15.025 pala and 4 temperature of 50° F. Specific gravity base will be 0.60.	nplete t		
Report casing pressure in lieu of tubing pressure for any well producing through casing.	PI.	111	Λ
Kall original and one copy of this report to the district office of the New Maxico Oil Conservation Commission in accordance with Rule 303 and appropriate pool rules.	<u>FUUC</u> ISic	hiller	¥
Engrg. Tech.		-	
		ïdej	
		namin in die die gewannen in Deberge	
			•
			a de la companya de l Companya de la companya
		·.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
an a			
	·-	-	

Rescarged Statuth Advised Statuth Statuth	To							1 6				1				
		J.R. Has		Midkers	1	-		Soc	1		Owens	Och.	SSC I	2.0.2		Dato Steed
	New Merice, S.R.L		Drinkan	1	•				1				s conducted	in read	2	لملزر مديري
	.ease and well number	Ŷ	veli elevation d feet feet feet feet feet feet feet feet			Tubing		, T		Correction Foet	n test depth foration Grad. Tota		Correc perf. to Feet	Grad. To		e from us test
122 6841 376 31 32 13 32 13 132 132 132 132 13 13 13 13 132 132 132 132 132 13 13 13 132 132 132 132 132 133 13 13 133 132 132 132 133 133 133 133 133 132 132 132 133 133 133 133 133 132 132 133 133 133 133 133 133 132 133 133 133 133 133 133 133 132 133 133 133 133 133 133 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134 134	1						- qcy	¥]	PSI, GA			1				PS
$\left \begin{array}{cccccccccccccccccccccccccccccccccccc$		012217		1			NV3	103	369	752						
							AFE	326!								
									12							
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$						aport 1	1 Pro	* (*	Ara.							
			-			Tba.	 01									
						1000	 	121	.010							
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$						3000		337	,008		-					
		-				5300		358	3001							
						6100		367	.0/1							
						6300		369	0/01							
		-											<u>.</u>			
															-	
							 	-								
						i										
							-			· · ·						-
																· · ·
	1															
	R38-657-A	- 北京教育教育教育教育	na statut sa	ŎĂĊĦĿĹĸ ŎĸĊĊŢĨġĨĊŗĿĿŶĊġġ <mark>ĸĿ</mark> ŔĸĨŎĸ	ananimi an ar an	a l' ' Manadak (Makada di Katala da Kata	Andrew Parlamente and Andrew Parlamente and Andrew Andrew Parlamente and Andrew Parlamente and Andrew Parlament		terind for a final second s	n an						
		* <u>1</u>														•
			•													
					• •									-	- 40	
			÷												ит С	

96411	Cutt		in the second	7 E	1 Makii					-1
Shell 		•	t≀γ ● ²	A.R.Co. I 1 I 1 I	Mobii	G €€	utf		'Letal RCO	
••• ••• ••• •••	L.G. Warlick	** M. Willio	e ³ mson et al		Parton		ephens	24		
(8) ^{**} 8, ¹ ° s		• ³	***	} ● ↓ ↓	A.R.Co. 🙏	•	Mobil			
	• ¹⁷	*	S. J. S	z .	*	●¹ Step	e ¹ hons Est.	J. 8 M	Owens	
AR Contine	er al		117y ● ⁵ ¥¢å	• ¹⁰	e A icoma	Tex. Pac. • ^{\$}	imp.Am. ● ¹	imi O	o. Am. -∳ ⁴	1
²⁴ • 3 2	* * ¹⁰ • . <i>s</i> . 7	•'	• ⁴ •• <i>s.J.s</i>	• ³ Ho • • • •	n b đ	•' 	ekoys	e ² R. Hol	e ¹ Iding	ŀ
Marathon	● ● ● ● ● ● ●	ARCO	•' i	Texas Pa * S.E.Cone	, ,	Texo AR	18 Pac. CO	Imp.Am.	Imp.Am.	
₩.Marshall	°¢● ⁿ ¥ ⁷ A.A. Hardison	.1. Cone	AR AR Con	۰Ę	2 ARCO e ¹ E.Hill	*' _{M.W}	Owen		e ³	
Mobil	Exxon		ont'i. I RCO I • I		eti	*	Amoco 0		ARCO	
• ¹² • ²	#0 ³ #	Maranco • ¹	, ° , <i>U</i> .		* ³	*	•*			
Amoco 3	Gulf ♥●↓ ● ³	Mara •'	athon [# ⁴] J	Cities *	Serv. 7 9 3	• ^t	*3			
• ¹ • ⁴ E. Owen	••• ¹ s ● ⁷ M. Owen, Est.	۰ گ ر	B B B T M. Owen	**************************************	\$1	•	* * <i>SI</i>	Getty		
								Gas Con of AtlanticRichter ict Midland		
									· · · · · · · · ·	
								E 1"= 2000		

WEST AREA ENGR p



i



and the second states

, `







.



•

ĺ

ARCO Oll and Gas Company Permian District Post Office Box 1610 Midland, Texas 79702 Telephone 915 684 0100

August 27, 1979

Case 6685

Mr. Joe D. Ramey Oll Conservation Division New Mexico Department of Energy & Minerals P. O. Box 2088 Santa Fe, New Mexico 87501

RE: Downhole Commingling Application J. R. Cone A No. 2 Section 26, T-21-S, R-37-E

Dear Sir:

ARCO Oil and Gas Company requests administrative approval under the provisions of Rule 303-C to commingle downhole production from the Blinebry and Drinkard zones of the J. R. Cone A No. 2 located in Section 26, T-21-S, R-37-E, of Lea County, New Mexico.

Production on this lease is presently being commingled in the surface facilities (Order #PC-228) with no evidence of fluid incompatibility. Since the crudes are commingled at the battery before sale, no change in value will result from commingling the production downhole. Ownership of both zones is common and correlative rights will not be violated.

This well produces from a maximum depth of 6174'and is therefore allowed a commingled production rate up to 40 BOPD. The water production limit is 40 BWPD from each zone.

The J. R. Cone A No. 2 produces 5 80PD + 0 8WPD + 19 MCFPD under artificial lift from the Blinebry zone. Estimated bottom hole pressure is 511 psia.

Drinkard production is by natural flow. Presently this zone produces 189 MCFPD from a measured bottom hole pressure of 370 psig. The last Drinkard oil production was in February, 1979.



ABCO Off and Gas Company is a Division of AtlanticRichfieldCompany

Page 2

Additional information, such as decline curves, Form C-116-A, List of Offset Operators, and lease and well information is included as required by Rule 303-C. Offset operators are being notified by registered mail with a copy of this application.

Thank you for your consideration.

Very truly yours;

I pued

J. L. Tweed

KG:ad

cc: Offset Operators NMOCC Area Supervisor P. O. Box 1980 Hobbs, New Mexico 88240



ĺ

. Operator:

1.	Operator:	ARCO OIL and Gas Company P. O. Box 1610 Midland, Texas 79702
2.	Lease, Well & Location:	J. R. Cone A No. 2 1980' FSL, & 660' FWL Sec 26, T-21-S, R-37-E Lea County, New Mexico
3.	Producing Zones:	Blinebry - natural flow Drinkard - pump

4. Current Production:

Blinebry - Oil - 5 BOPD Water - 0 BWPD Gas - 19 MCFPD Drinkard - Oil - 0 BOPD Water - 0 BWPD Gas - 189 MCFPD

5. Commission Number authorizing dual completion:

DC-308

- Fluid compatibility & Value: Lease production has been commingled in the surface facilities (#PC-228) with no evidence of fluid incompatibility. Because this is before sale, no change in value will result from downhole commingling.
- 7. Decline curves: Enclosed
- 8. Bottom hole pressures: Blinebry 511 psi (estimated) Drinkard - 370 psi (measured)
- 9. Offset Operators are being notified by registered mail with a copy of this application.

ECEIVED AUG318 OIL CONSERVATION DIVISION SANTA FE

OFFSET OPERATORS

Continental P. O. Box 460 Hobbs, New Mexico 88240

Exxon P. O. Box 1600 Midland, Texas 79702

~ _

Getty Oil Company P. O. Box 1231 Midland, Texas 79702



NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

C-118 Rovierd 1-1-65

ision of Atlantic Richfie			~~~		inkerg	۲		EOF		·····		ea			· · · · · · · · · · · · · · · · · · ·	
P.O. Box 1710, Hobbs	New Mex	100	8824		······	<u>را ا</u>		r (X)		edulrd []			terion [טאואט <u>ס</u>	and the second se	elol 🔀
LEASE NAME	WELL		LOC	лтіон 	J	DATEOF	SVEA	сноке		DAILY ALLOW-	01	WATER	1		CAS	GAS - RAT
	NO.	<u> </u>	5	T	R	TEST	1-	SIZE	P,RESS.	ABLE	HOUAS	BOLS,	016	BOLS.	M.C.F.	CU.FT
J.R. Cone "A"	2	F	5	185	28E	7-27-79	F	32/64'	75	0	24	o	38.6	0	189	0-
Above is a 24 hr. pr	roquetivi	ty t	est p	repar	atory	to comming	3 1	ng dowr	hole	with th	B11	nebry	011 &	Gas zo	ne.	
		-	-													
														NOIS: 'IG		
						•								C NUL		
														PUDA VS-3/1	NS.	-
No well will be sealgned an a	Slowable great	er ther	the sm	ount of o		ed on the officia	[· · ·		<u> </u>	 [h	El creby c	trully th	b the abo	ve ialorz
During gasuali ratio test, eac lacased by more than 25 pricent. Op increased allowables when authorized	ch well shall eraine is enco	be pro	duced a	L & rate	not exc	eeding the top u	njt e	llowable fo				is m		omplete	to the bes	

Kall original and one copy of this report to the district office of the New Hoxico Oli Conservation Commission in accordance with Rule 301 and appropriate pool sules.

ucki (Signalure Spec. Engre Tech.

NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

.

.. .

.

1

ł

Division of Atlantic Richfi	eld Compa	any	_	• B1:	inebry	y 011 & Gas						Lea				
P.O. Box 1710, Hobbs	, New Mer	tico	8824	0				E OF [_ (X)	Sch	icdulad 🗌		Сопір	tetion [Sp	ecto: 🔀
LEASE NAME	WELL		LOC	ATION		OATEOF		сноке		DALLY	LCKCTH OF TCST	P WATER		OURING	TEST CAS	GAS -
	NO.	U	S	T	R	TEST	11	512E	PRESS.	ABLE	HOUAS	BOLS.	016	3012	H.C.F.	CU.FT
J.R. Cone "A"	2	F	5	185	28E	7-14-79	P			5	24	-0-	38.6	5	19	.3800
Above is a 24 hr. pr	oductivit	ty te	st pr	epara	ory 1	c comming]	.ing	down	hole v	ith the	Drin	kard z	one.			-
• •				•												
								÷					NOIS: 1G			
			-								C E	CLE	NEICH DIV	41816		
													AUG	SAN		-
					سود و و و و و و و و و و و و و و و و و و						11			•		
No well will be easigned on a During gas-oil ratio test, ea located by more than 25 percent. Of	ch well shall perstor 15 cac	be pro	duced a to take	L & role	not exc	eeding the top u	nit e	llowable f	or the poo r that wel	l in which w I con be ass	ell Is Ignert	is tru	e and c	complete	at the abo to the be	
Duirg cas-oil ratio test, ea located by more than 25 percent. Of increased allowables when authorized Gas volumes must be reporte will be 0.60. Report casing pressure in lie	ch well shall berning is coo 6 by the Comm 4 in MCF mes u of tubing pro-	i be pro couraged filssion, asured s essure (duced a l lo toke al a pres los any w	t a role : navonis : sure bas vell produ	not exc age of th ae of 15, acing thr	ceding the top units 25 percent to 025 pela and 4 t ough cosing.	nit ei Ieran erope	llowable f ce in orde reture of (er that wel	l con be ass cilic gravity	pree	is tru		complete		
During cas-oil ratio test, ea located by more than 25 percents Of increased allowables when authorized Gas volumes must be reporte will be 0.60.	ch well shall berning is coo 6 by the Comm 4 in MCF mes u of tubing pro-	i be pro couraged filssion, asured s essure (duced a l lo toke al a pres los any w	t a role : navonis : sure bas vell produ	not exc age of th ae of 15, acing thr	ceding the top units 25 percent to 025 pela and 4 t ough cosing.	nit ei Ieran erope	llowable f ce in orde reture of (er that wel	l con be ass cilic gravity	pree	is tru	e and c and be	complete elicí. <u>Sta</u>	to she be	
Duirg cas-oil ratio test, ea located by more than 25 percent. Of increased allowables when authorized Gas volumes must be reporte will be 0.60. Report casing pressure in lie Kail criginal and one copy of	ch well shall berning is coo 6 by the Comm 4 in MCF mes u of tubing pro-	i be pro couraged filssion, asured s essure (duced a l lo toke al a pres los any w	t a role : navonis : sure bas vell produ	not exc age of th ae of 15, acing thr	ceding the top units 25 percent to 025 pela and 4 t ough cosing.	nit ei Ieran erope	llowable f ce in orde reture of (er that wel	l con be ass cilic gravity	pree	is tru	e and c and be	complete elicí. /s. ch. Spe	to she be	
Duirg cas-oil ratio test, ea located by more than 25 percent. Of increased allowables when authorized Gas volumes must be reporte will be 0.60. Report casing pressure in lie Kail criginal and one copy of	ch well shall berning is coo 6 by the Comm 4 in MCF mes u of tubing pro-	i be pro couraged filssion, asured s essure (duced a l lo toke al a pres los any w	t a role : navonis : sure bas vell produ	not exc age of th ae of 15, acing thr	ceding the top units 25 percent to 025 pela and 4 t ough cosing.	nit ei Ieran erope	llowable f ce in orde reture of (er that wel	l con be ass cilic gravity	pree	is tru ledge	e and c and be	complete elicí. /s. ch. Spe	to she be	
Duirg cas-oil ratio test, ea located by more than 25 percent. Of increased allowables when authorized Gas volumes must be reporte will be 0.60. Report casing pressure in lie Kail criginal and one copy of	ch well shall berning is coo 6 by the Comm 4 in MCF mes u of tubing pro-	i be pro couraged filssion, asured s essure (duced a l lo toke al a pres los any w	t a role : navonis : sure bas vell produ	not exc age of th ae of 15, acing thr	ceding the top units 25 percent to 025 pela and 4 t ough cosing.	nit ei Ieran erope	llowable f ce in orde reture of (er that wel	l con be ass cilic gravity	pree	is tru ledge	e and c and be	complete elicí. /s. ch. Spe	to she be	
During cas-oil ratio test, ea located by more than 25 percent. Of increased allowables when authorized Gas volumes must be reporte will be 0.60. Report casing pressure in lie Kall criginal and one copy of	ch well shall berning is coo 6 by the Comm 4 in MCF mes u of tubing pro-	i be pro couraged filssion, asured s essure (duced a l lo toke al a pres los any w	t a role : navonis : sure bas vell produ	not exc age of th ae of 15, acing thr	ceding the top units 25 percent to 025 pela and 4 t ough cosing.	nit ei Ieran erope	llowable f ce in orde reture of (er that wel	l con be ass cilic gravity	pree	is tru ledge	e and c and be	complete elicí. /s. ch. Spe	to she be	
During cas-oil ratio test, ea located by more than 25 percent. Of increased allowables when authorized Gas volumes must be reporte will be 0.60. Report casing pressure in lie Kall criginal and one copy of	ch well shall berning is coo 6 by the Comm 4 in MCF mes u of tubing pro-	i be pro couraged filssion, asured s essure (duced a l lo toke al a pres los any w	t a role : navonis : sure bas vell produ	not exc age of th ae of 15, acing thr	ceding the top units 25 percent to 025 pela and 4 t ough cosing.	nit ei Ieran erope	llowable f ce in orde reture of (er that wel	l con be ass cilic gravity	pree	is tru ledge	e and c and be	complete elicí. /s. ch. Spe	to she be	
Duirg cas-oil ratio test, ea located by more than 25 percent. Of increased allowables when authorized Gas volumes must be reporte will be 0.60. Report casing pressure in lie Kail criginal and one copy of	ch well shall berning is coo 6 by the Comm 4 in MCF mes u of tubing pro-	i be pro couraged filssion, asured s essure (duced a l lo toke al a pres los any w	t a role : navonis : sure bas vell produ	not exc age of th ae of 15, acing thr	ceding the top units 25 percent to 025 pela and 4 t ough cosing.	nit ei Ieran erope	llowable f ce in orde reture of (er that wel	l con be ass cilic gravity	pree	is tru ledge	e and c and be	complete elicí. /s. ch. Spe	to she be	
Duirg cas-oil ratio test, ea located by more than 25 percent. Of increased allowables when authorized Gas volumes must be reporte will be 0.60. Report casing pressure in lie Kail criginal and one copy of	ch well shall berning is coo 6 by the Comm 4 in MCF mes u of tubing pro-	i be pro couraged filssion, asured s essure (duced a l lo toke al a pres los any w	t a role : navonis : sure bas vell produ	not exc age of th ae of 15, acing thr	ceding the top units 25 percent to 025 pela and 4 t ough cosing.	nit ei Ieran erope	llowable f ce in orde reture of (er that wel	l con be ass cilic gravity	pree	is tru ledge	e and c and be	complete elicí. /s. ch. Spe	to she be	
Duirg cas-oil ratio test, ea located by more than 25 percent. Of increased allowables when authorized Gas volumes must be reporte will be 0.60. Report casing pressure in lie Kail criginal and one copy of	ch well shall berning is coo 6 by the Comm 4 in MCF mes u of tubing pro-	i be pro couraged filssion, asured s essure (duced a l lo toke al a pres los any w	t a role : navonis : sure bas vell produ	not exc age of th ae of 15, acing thr	ceding the top units 25 percent to 025 pela and 4 t ough cosing.	nit ei Ieran erope	llowable f ce in orde reture of (er that wel	l con be ass cilic gravity	pree	is tru ledge	e and c and be	complete elicí. /s. ch. Spe	to she be	
Duirg cas-oil ratio test, ea located by more than 25 percent. Of increased allowables when authorized Gas volumes must be reporte will be 0.60. Report casing pressure in lie Kail criginal and one copy of	ch well shall berning is coo 6 by the Comm 4 in MCF mes u of tubing pro-	i be pro couraged filssion, asured s essure (duced a l lo toke al a pres los any w	t a role : navonis : sure bas vell produ	not exc age of th ae of 15, acing thr	ceding the top units 25 percent to 025 pela and 4 t ough cosing.	nit ei Ieran erope	llowable f ce in orde reture of (er that wel	l con be ass cilic gravity	pree	is tru ledge	e and c and be	complete elicí. /s. ch. Spe	to she be	

	.	-	·									·							••				
	AR38-657-A										-						-		S.R. Cone 942		Alese Merinumber	Special Projects State. Field. (Formation)	AtlanticRichfieldCompany
-	on and the second s						-							1							12		leiaro
	Minute and							·											6/23/19		Date of	J. R. Hastings	mpan
с. С	and the state of the second									T			T		T_		-			Die	Drint's Well		\$
	an g ba da mangin da pangan ang a man																		6300 4	DFet	Test	Midland	
				 				-							 			Į	6361 2	tion feet Br	Top of H Berlora- W		
	Managana a s		 		 	 			6	6	53	30	10	1	54.5	<u> </u>			21/4 311		Hours Tub well pre	Te y'at's Day	
4.000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000					 				6300	6120	5300	3000	1000	tbg.	Strents				×	PSI, GA feet,	bing Oli	Datum plane	
	Ξ					 		 							2	R - S	дд К Д	ATUA	s S	00 710			-
	a Angela gang ng mga ng mg								369	367	358	337	321	3 <i>11</i>	NE23014	and the	<u></u>		1 1 1		ater		
														+		ym. C	03	A	- 12 1	deg F	Tempera- ture at	Special	From
					 				0101	1.01	300.	3001	.010	<u> </u> .	BI/Er	the second se			369	h pressure at lest depth PSI, GA	Bottom	a Rejects	
			 					 	0	-		6	0		hent IET				9 752			L	
		<u> </u>										<u> </u>							2.010	Grad. PSI por toot	Correction test depth to	Wit Curers	
		 											 		 .				- S.S.	1			
															-				370	Pressuse at Lop of perforation PSIG	Bottom	Olfice Celessar Fiuld tosts con	1
				•	$\left - \right $							<u> </u> 	<u> </u>	 .	 					5 F 80	Coner	SSAT 12 2. 673	Static Reservoir Pressure
								 					<u> </u>							Grad. PSI per loot	Correction top of perf. to datum plane	L P. Or S	Keser
																				B			VOIF
																				Date	Charge from		ressui
								 			 				 					PSI		Data A/23/	10
	-						1													press. at plane PSIG	A TION	22	Survey

and the way with the

ş

к			R 3	7 E						
Shall *' • • • •	Gull •2	Get •'	iy •2	A.R.Co. I 🛞 ²	Mobil (*)	G €€'	u11 ●3		i.etal RCO	
20 ⁷ • ⁴ * ⁹ © ¹² A.R.Co.	L.G. Worlick	₩ ² M. Williom	eson et ul			©² N SI	phens 2	4		
8 *** 8 ** sh	● ¹⁴ ●11 ** *	sh ●3	*" @*		R.Co. **	. ھ				
	• ^{1•} • ¹⁷	₩	• • <i>S. J</i> . S	a a a b Urkeys	*	€' Stept	o' Nons Est.	J.B.M.	Owens	
**************************************	e" * CO ntal stal	Get • 2	ify ● ⁸ 		e A coma	Tex. Pac. • ¹] Îmĝ.Am. ● ¹	lmp •i	. Am.	
21, 3, 41, -3, U. -27	S.	•1	s.J.5	arkeys	rp N	•' Sa	l el cheys o	R. Hold	e ³ ling	T
Marathon	е ^ч е е	ARCO	l ● ¹ j	Техав Ран #' S. E. Cone	•	Taxo AR	s Pac.	Imp.Am.	lmp.Am. ● ¹	21 S
W. Marshall	*ø●***** A.A. HardIson	.I.Cone	AR # •4 Con	•*	ARCO • • E.Hill	* ¹	Owen	2 2 4●21 J.Si	• ³	
Mobil 3 mo ^s , 8 m ³	Exxon	Co 1 AR	nt't. f CO 3 t J		nt'l. CO • 1	*	A m o c o	 	ARCO	
• • • • • • • •	#0 ³ \$	Maranco •' }	● [∓] 1 		• 5 • 5	*	• ²	1		
Amoco 3	Gulf Gulf Gulf	Marai •1		Cifies	Serv. 7 9 3 8	•²	* 3	6		
e ¹ •• E. Owen	• ● [●]	: &	1 3 • 7 1 M. Owen	***** et al	\$1	•	* 51	Getty nte		
E.C	EIVED		-		-		Division 2	Gas Com	aCompeny	
	631.573	И								
OIL CON	SANTA FE									

10日1日 高速に見合いたので、10日、

1"= 2000" Drows By: Revised By

BY C. DAWSON Date 7 - 79 Deer WEST AREA ENGR. Dels 0--



,





ĺ



.



.



ĺ

Í -

OIL CONSERVATION DIVISION DISTRICT I

OIL CONSERVATION DIVISION SANTA FE

DATE	September	5,	1979

RE: Proposed MC_____ Proposed DHC___X___ Proposed NSL_____ Proposed NSP_____ Proposed SWD_____ Proposed WFX_____ Proposed PMX_____

Gentlemen:

I have examined the application for the:

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

ARCO Oil & Gas Co.	J. R. Cone "A" No. 2	L 26-21-37
Operator	Lease and Well No.	Unit, S - T - R

and my recommendations are as follows:

· .

0.K.---J.S.

.

Yours very truly,

uy Ch

9 i i i i i i

/mc

and the second stage

DR	A	F	Т
-	-	-	-

dr/

IN THE	MATTER	OF THE	HEARING
CALLED	BY THE	OIL COL	SERVATION
DIVISIO	ON FOR 7	THE PURI	OSE OF
CONSIDE	ERING:		

6685 CASE NO.

Order No. R- (.148)

APPLICATION OF ARCO OIL AND GAS COMPANY FOR DOWNHOLE COMMINGLING, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on <u>October 2</u> 19<u>79</u>, at Santa Fe, New Mexico, before Examiner<u>Richard L. Stamets</u> NOW, on this <u>day of October</u>, 19<u>79</u>, the Division Director, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be granted. IT IS THEREFORE ORDERED:

That Case No. 6685 is hereby dismissed.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.