

American Exploration Company

May 11, 1989

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OIL CONSERVATION DIV. SANTA FE

Application for Downhole Re: Commingling of the Blinebry/Drinkard Pools G. G. Travis No. 3 Sec. 21, T235, R37E Lea County, New Mexico

New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Attn: Mr. David Catanach

Gentlemen:

American Exploration Company respectfully requests administrative approval under the provisions of Rule 303-C to downhole commingle the Blinebry/Drinkard pools in the G. G. Travis No. 3. This well is presently completed in the Teague Blinebry Pool and produces 3 BOPD, 48 MCFPD and 14 BWPD. We recently tested the Drinkard for 22 BOPD, 20 MCFPD and 10 BWPD. Producing only the Blinebry is economically marginal due to the low rates, but commingling the two zones should return the well to profitability.

A summary of information required for commingling is attached. Additionally, American has a 100% interest in this lease and the royalty interests of each zone are common. Based on the information we have qathered, we believe the request to commingle is justified in the interest of conservataion.

If there are any questions, please contact the undersigned as soon as possible.

Very truly yours,

AMERICAN EXPLORATION COMPANY

Marty B. McClanahan

Sr. Production Analyst

MBM:mm Encl.

Mr. J. T. Sexton New Mexico Conservation Division P. O. Box 1980 Hobbs, New Mexico 88240

G. G. Travis No. 3 Information for Downhole Commingling

- a. Operator: American Exploration Company 2100 RepublicBank Center Houston, Texas 77002
- b. Lease, Well Location and Pools:
 G. G. Travis No. 3
 990' FEL & 2310' FSL of Sec. 21, T23S, R37E
 Lea County, New Mexico
 Blinebry/Drinkard Pools
- c. Acreage Dedication (40 acres) Form C-102 is attached. Offset operators are listed on schedule attached.
- d. 24 hour productivity test Form C-116 attached.
- e. Commingling Computations Attached.
- f. Allocation of Production based on latest production tests.

	<u>0 i l</u>	<u>G a s</u>	Water
Blinebry	12%	7 1 %	58%
Drinkard	88%	29 %	42%

- g. Notification to Offset Operators.A copy of the notice sent to offset operators.
- h. A complete resume of the well's completion history.
- i. Fluid Compatibility See attached water analysis.



American Exploration Company

May 11, 1989

Re: Notification of Intent to Commingle the Blinebry/Drinkard Pools
G. G. Travis No. 3
990' FEL & 2310' FSL of Sec. 21, T23S, R37E
Lea County, New Mexico

OFFSET OPERATORS
G. G. TRAVIS #3 LEASE

Gentlemen:

In accordance with New Mexico Oil Conservation Division regulations, you are hereby notified of American Exploration Company's application to downhole commingle production from the Blinebry/Drinkard pools in the G. G. Travis No. 3 Lease.

Very truly yours,

AMERICAN EXPLORATION COMPANY

larty B. McClanahan

Sr. Production Analyst

MBM:mm

LIST OF OFFSET OWNERS G. G. TRAVIS NO. 3 LEASE

NE/4 SE/4-21 T23S, R37E

Chevron U.S.A. Inc. (D/R-W/2 NE/4-21) P. O. Box 1635 (All-NW/4 SE/4 & E/2 NE/4-21, W/2-22 Houston, Texas 77251

Zachary Oil Operating Co. (To 3700'-W/2 NE/4-21) 1212 Commerce Building Fort Worth, Texas 76102

Damson Oil Corporation (S/2 SE/4-21) P. O. Box 4391 Houston, Texas 77210

MEMORANDUM

TO WHOM IT MAY CONCERN:

Pursuant to Rule 303 (C) (2) (i) of the rules and regulations of the State of New Mexico for downhole commingling, the following formula should apply as to the production allocation for the new zone added to the following well:

G. G. Travis No. 3 located in Unit I; 990° FEL and 2310° FSL of Section 21, T23S, R37E, Lea County, New Mexico.

Prior Production (Before Recent Workover)

°100 BOPM @ 10% Decline

Current Production (After Workover)

34 MBO - 8 MBO = 26 MBO for new zone (Drinkard)

State of New Mexico .gy, Minerals and Natural Resources Departm...

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

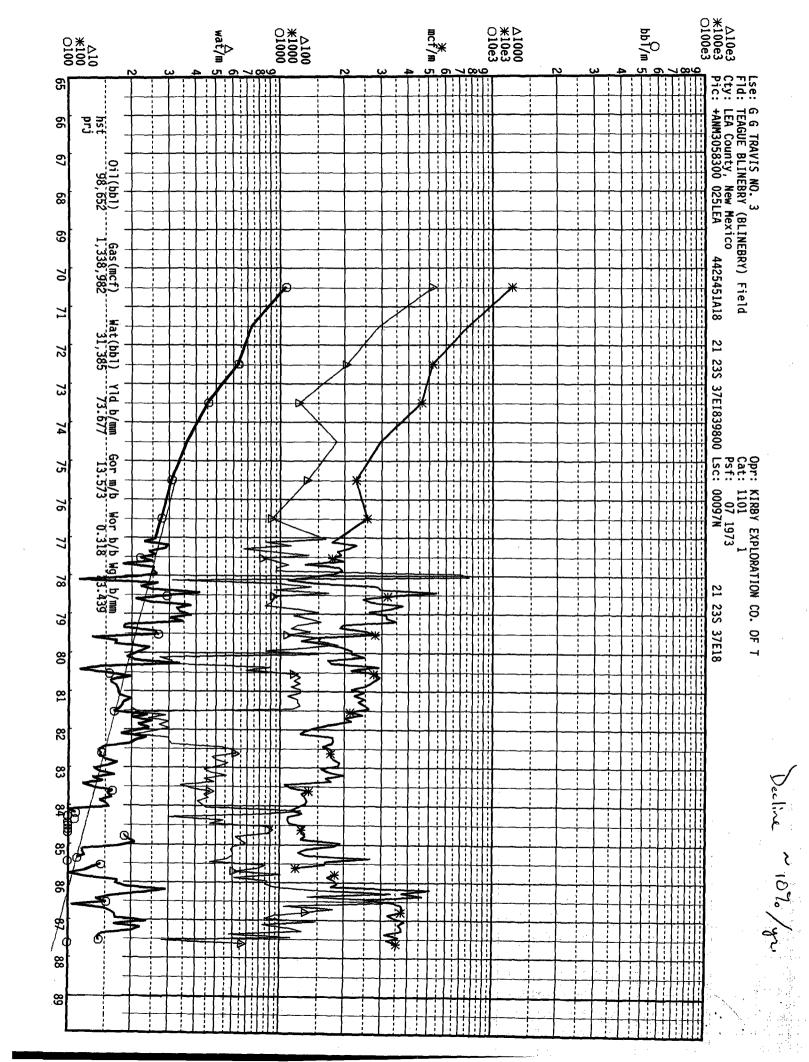
DISTRICT I P.O. Box 1980, Hobbs, NM 88240

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator					Lease				Well No.	
•	ican Es	mlorat	ion Company	,		Travis			3	
Jnit Letter	Section		Township	<u> </u>	Range	ILAVIS		County	1	
I	21	•	235		37E) T	Lea		
Actual Footage L		Well:	233		13715	- 	NMPM	Геа		
990			East	line and	231	0	feet from	the Sou	ith line	
Ground level Ele		om the Produc	ing Formation	TIME SING	Pool	<u> </u>		inkard	Dedicated Act	eage:
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HISTORICAL PRODUCTION DATA

Property No.: 1971704 1 0 Lease Name: TRAVIS GG #3

Мо	Yr	Oil (Bbls)	Cumulative Oil	Gas (MCF)	Cumulative Gas	GOR (SCF/Bbl)
5	88	184	184	1778	1778	966
6	88	132	316	2889	4667	2188
7	88	132	448	2889	7556	2188
8	88	103	551	1781	9337	1729
9	88	93	644	1698	11035	1825
10	88	40	684	1694	12729	4235
11	88	103	787	1504	14233	1460
12	88	105	892	900	15133	857
1	89	105	997	900	16033	857

Submit 2 copies to Appropriate
District Office.
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

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-116 Revised 1/1/89

OIL CONSERVATION DIVISION

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

GAS-OIL RATIO TEST

TYPE OF TEST - (X) Scheduled Complete Comple			Blinebry 3 14 Brinkard 23 6 Drinkard 26 20	G. G. Travis	LEASE NAME		Address 2100 RepublicBank Center, Houston, Texas 77002	Operator American Exploration Company
TYPE OF TEST - (A) Scheduled DAILY Completion DAILY TEST - (A) Special X DATE OF A CHOKE TBG. ALLOW. TEST WATER GRAV. OIL GAS PATT HEST SIZE PRESS. ABLE HOURS BBIS. OIL BBIS. MCF. CUFIN PROBLEM AND			- 	ω	8	WELL	r, Hous	mpany
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PE OF Scheduled C Completion Special X ST - (X) Scheduled DAILY LENGTH PROD. DURING TEST GAS. SIZE PRESS. ABLE HOURS BBLS. OIL BBLS. OI		· .		3/31/89	TEST	DATE OF		nkard
Scheduled C Completion Special X Scheduled C Completion Special X LEMATH PROD. DURING TEST GAS. ABLE HOURS BBLS. OIL BBLS. OIL BBLS. M.C.F. CU.FT/I 22 M 24 10 39 26 20 769 I hereby certify that the above information is true				- 'o	STA	TUS	TEST	
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ASS. PANTING THE P	mation			20	MCF.		ecial X	
	true			769	CU.FT/BBL	GAS-OIL		

Instructions:

order that well can be assigned increased allowables when authorized by the Division. 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

Specific gravity base will be 0.60. Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F.

Report casing pressure in lieu of tubing pressure for any well producing through casing

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

Date	5/12/89	Printed name and title	Signature Marty B. McClanahan	Must B	complete to the best of my knowledge and belief
Telephone No.	713-237-0800		marty B. McClanahan, Sr. Production Analyst	Michaelan	wledge and belief.

Tubb-Drinkard 2-3/8" OD				Blinebry UT 2-3/8" OD	
2-3/8 OD					
	, ·				
9-5/8" OD 40)#/ft		7" C	DD 23# & 20#/ft	
Surface Csg				Prod. Csg ran	
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			tubin	ng landed at 576	68 feet
Top at 5933	feet				
Name: Tubb Completion this			Perforated: 6	5292-5970_feet	
O Completion this	Zone:				
Bottom at 62	296 feet	-			
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			Casia	:: sec at <u> :::</u>	1845
				ell cepth: <u>Al</u> TT	_iae:
	•				
		• ;	1.		
DATE: 10-4-68	OPER	RATOR: Sol	ar Oil Company	LEASE: T	ravis
POOL: Undesign	ated - Tubb	COUNTY	Lea	WELL NO.:	3



American Exploration Company

March 20, 1989



Re: G. G. Travis No. 3
Imperial Tubb Drinkard/
Teague Blinebry
Lea County, New Mexico

State of New Mexico
Energy, Minerals and Natural Resources Dept.
011 Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88240

Gentlemen:

Enclosed for your approval please find the following forms filed on the subject well which was recompleted to commingle the Imperial Tubb Drinkard Zone to the existing Teague Blinebry formation.

- 1. Form C-103 Subsequent report of the work performed.
- 2. Form C-102 Well Location and Acreage Dedication Plat.
- 3. Form C-107 Application for Multiple Completion.
- 4. Form C-104 Request for Allowable and Authorization to Transport Oil and Natural Gas.
- 5. Diagrammatic Sketch of Multiple Completion Installation.
- 6. Log copies of perforated intervals for each zone.

Please note that this well was drilled and completed as a Tubb/Blinebry dual in 1968. In 1970, the Tubb was temporarily abandoned to artifically lift the more prolific Blinebry.

If there are any further questions, please contact the undersigned.

Very truly yours,

AMERICAN EXPLORATION COMPANY

Marty B. McClanahan

Sr. Production Analyst

MBM:mm Encl.

cc: Oil Conservation Division V P. Q. Box 2088 Santa Fe, New Mexico 87501

STATE OF NEW-MEXICO ENERGY AND MINERALS DEPARTMENT

this application.

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

Form C-107 Revised 2-1-82

APPLICATION FOR MULTIPLE COMPLETION

Operator American Exploration Co	County Ompany Lea	Date March	20, 1989
Address	Lease	Well No	•
2100 RepublicBank Cente	er. Houston, Texas 7	7002 G. G. Travis	3
	tion Township		
of Well T	21 239	379-	
All Applicants for multipl		nplete Items 1 and 2 bo	elow.
. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Teague Blinebry		Imperial Tubb Drinkard
b. Top and Bottom of			
Pay Section (Perforations)	5348-5864'		6031-72' 6221-24'
c. Type of production (Gil or Gas)	Oil		Oil
 d. Method of Production (Flowing or Artificial Lift) 	Pump		Pump
e. Daily Production Actual Estimated Oil Bbls. 22 Gas MCF 45 Water Bbls. 17		MAR 27 198 OIL CONSERVATION DIV	\$10A)
quantities used and	of the Multiple Comple g depths, centralizers cop of cement, perfora g depth, location and	s and/or turbolizers as ated intervals, tubing	nd location thereof.
 Plat showing the localeases, and the names 	ation of all wells on and addresses of ope	applicant's lease, al	l offset wells on offset offsetting applicant's le
and intervals of per	foration indicated the	cable log with tops and ereon. (If such log is mitted as provided by	d bottoms of producing zones not available at the Rule 112-A.)
I hereby certify that the and belief. Signed Marty B. McCl	Mittle Sr. Pro	true and complete to duction Analyst Date	
(This space for State Use	*		
Approved By	Title		Date
NOTE: If the proposed mand/or a non-stand separate application.	dard proration unit in ion for approval of th	ll result in an unorth n one or more of the p ne same should be file	roducing zones than

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

this application.

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

Form C-107 Revised 2-1-82

APPLICATION FOR MULTIPLE COMPLETION

Operator American Exploration Co	County Ompany Lea	Date March	20, 1989
Address	Lease	Well No	•
			3
2100 RepublicBank Cente	tion Townshi		<u> </u>
of Well	21 235	37F_	
All Applicants for multip			elow.
1. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Teague Blinebry		Imperial Tubb Drinkard
b. Top and Bottom of	5348 - 5864'		6031-72'
Pay Section (Perforations)	7340-3604		6221-24'
c. Type of production (Oil or Gas)	Oil		Oil
d. Method of Production (Flowing or Artificial Lift)	Pump		Pump
e. Daily Production			
X Actual Estimated			
Oil Bbls. 22			
Gas MCF 45 Water Bbls. 17	5		
2. The following must be a	attached:		
quantities used and	g depths, centralizer top of cement, perfor g depth, location and	s and/or turbolizers a ated intervals, tubing	nd location thereof,
			l offset wells on offset offsetting applicant's lea
and intervals of per	foration indicated th	table log with tops an ereon. (If such log i mitted as provided by	d bottoms of producing zon s not available at the Rule 112-A.)
I hereby certify that the and belief.		*	<u> </u>
Signed Marty B. McCl	// Title // Sr. Pro	oduction Analyst Date	3/20/89
(This space for State Use)		
Approved By	Title		Date
and/or a non-stan	dard proration unit i	ll result in an unorth n one or more of the p he same should be file	roducing zones, then

