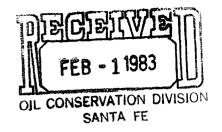
HUNT ENERGY CORPORATION

406 N. BIG SPRING MIDLAND, TEXAS 79701 Jan. 24, 1983



Re: Application for Exception to Statewide Rule No. 303-A to Downhole Comingle Production from the Blinebry & Drinkard Pools of the Mittie Weatherly Well No. 6, Lea County, New Mexico

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

Attention: Mr. Stogner

Gentlemen:

We respectfully request administrative approval, (subject to the twenty (20) day waiting period), to down-hole comingle production from the Blinebry and Drinkard Pools in N. B. Hunt's Mittie Weatherly #6 well. This well is located in Unit F, 1,980' FNL and 3,300' FWL of Section 21, Twp 21-S, Rge 37-E, Lea County, New Mexico. The following data is information relevant to our request to comingle the well.

- Well #6 is currently dually completed in the Blinebry & Drinkard zones. Completion intervals, for each zone, are as follows:
 Blinebry 5,810' to 5,883' (Selectively Perforated)
 Drinkard 6,458' to 6,554' & 6,588' to 6,612'
 Both zones are produced through separate strings of 2-3/8" tubing.
- 2.) The Blinebry & Drinkard are both classified as oil zones. Average GOR's for the Blinebry & Drinkard are 5,926 SCFPB and 25,000 SCFPB, respectively.
- 3.) The combined daily production from these zones does not exceed the 40 BOPD limitation provided for by the deepest perforations in the lower zone.
- 4.) Attached, for your reference, is the production history for each zone since April of 1977. Also attached are the Division Forms C116 and C124 which show the latest well test results for each zone.
- 5.) Royalty and working interest ownership is common to both zones.
- 6.) The estimated bottom-hole pressure for each zone is as follows:
 Blinebry: 392 PSI
 Drinkard: 291 PSI
- 7.) Offset operators were sent a copy of Form C-103 as a notification of our application for administrative approval to down-hole comingle the zones.
- 8.) By using graphical analysis of the past three years, it has been determined that 43% of the comingled oil production will be from the Drinkard and 57% from the Blinebry. The Drinkard contributes 76% of the total gas production and 24% is contributed by the Blinebry.

This well was originally completed on 5-28-48 in the Drinkard zone. In 1965, the well was completed in the Blinebry zone.

Recently, a packer leakage test was run on the well and a down-hole tubing and/or packer leak was discovered. As a result, the tubing string needs to be pulled and inspected for defective tubing.

Because of the old age of the production tubing and its deteriorated state, much of the tubing will need to be replaced. The low productivity of this well and the fact that it is nearing the end of it's economical life, makes the replacement of both strings of tubing economically unfeasible. Its combined production, prior to the tubing and/or packer leak, was approximately 14 BOPD and 350 MCFPD. Therefore, in order to continue producing the well as efficiently as possible, we are requesting the authority to downhole comingle the Blinebry and Drinkard zones.

Since all production from the Blinebry and Drinkard is presently comingled at the surface, the combination of the reservoir fluids downhole will not change the value or quantity of the oil or gas produced.

A current 24 hour productivity test and bottom-hole pressure test will not be available without first repairing the tubing string. However, the most recent production reports that are available have been included with this letter. Hopefully, this will provide adequate information.

Your consideration of this request will be appreciated.

Respectively submitted,

Low a Lives

GT/bsb

NO. OF COPIES PECEIVED				Form C-103	
DISTRIBUTION		· · · · · · · · · · · · · · · · · · ·	estrica.	Supersedes Old C-102 and C-103	
SANTA FE	NEW MEXICO OIL COIL	APAIRISON (IN)	ากโ	Effective 1-1-65	
FILE		350105013115	1111	5a. Indicute Type o	4.1
U.\$.G.\$.		FEB - 1 1983		State State	ree X
CAND OFFICE OPERATOR		PED - 1 1909		5, State Oil & Gas	
CTERATOR 1	į	OIL CONSERVATION DIVI	Coltanies		
SUNDR	Y NOTICES AND REPORTS ON	WELLS SANTA FE		MMM.	THITTH
LOO NOT USE THIS FORM FOR MADE	PUBALS TO TRIVE OR THIS TREES OR PLES I TON FOR PERHATE -" TOSEN C-101, FOR SUF	ACK TO A DIFFERENT RESERVOIA.			
I. OIL X GAS WELL X	other. Dual Completion			7. Unit Agreement f	Vanie
2. Name of Operator				B. Farm or Lease N	Qine
N. B. Hunt			1	Mittie Weat	therly
3. Address of Operator				9. Well No.	
406 N. Big Spring, Mi	dland, Texas 79701			6	
4. Lecution of Well	. 000			10. Field and Pool,	
UNIT LETTER	1,980 FERT FACH THE North	LINE AND 3,300 F	EET FROM	Drinkard/]	Blinebry
THE West LINE, SECTION	on 21 TOWNSHIP 21-S	RANGE 37-E	_ NMPM.		
	15. Elevetion (Show whether	DE RT CR etc.)		12. County	
	3,466' DF	m, ki, ok, etc.,		Lea	
16. Charles		Natura of Nation Design			71717177
NOTICE OF IN	Appropriate Box To Indicate N			r Data REPORT OF:	
NOTICE OF IN	·	30031.	COLINI	CET OILT OIL	
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK		ALTERING	CASING
TEMPERARILY ABANDON		COMMENCE DRILLING OPHS.		PLUG AND	ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOB			٠
OTHER Downhole Comingle	·	OTHER		·	
17. Describe Proposed or Completed Op- work) SEE RULE 1103.	erations (Clearly state all pertinent dete	tils, and give pertinent dates, i	neluding es	timated date of star	iting any proposed
·					
In accordance with the C	oil Conservation Division	of New Mexico, we a	re noti	ifing all off	Eset
operators of our intenti	on to downhole comingle 1	production from the	Drinkar	d and Blinet	ory
zones.					-
A packer leakage test re	cently should a tubing a				
of replacing sections of	cently showed a tubing and the two strings of tubing	nd/or packer leak in	this w	rell. Instea	ıd
string of tubing and com	ungle the production thro	ough one string of t	uhino	We feel the	· +
this method is the most	economical since the well	l is nearing the end	of its	economic li	fe.
	•	-			
		•			
·					
	•				
					_
•					
		engan melangak Publik menengkangan dan penerakan berbahan dan penerakan dalam dan berbahan dan Pers			
18. I hereby certify that the information a	bove is true and complete to the best of	f my knowledge and belief.			
Jan 12					•
signite Savy July	TITLE Pet	roleum Engineer		DAYE 1-24-8	<u> </u>
		•			
APPHOYED BY	TITLE			DATE	
					

CONDITIONS OF APPROVAL, IF ANYI

OIL CONSERVATION DIVISION

SANTA FE, NEW MEXICO 87501 ENERGY AND MINERALS DEPARTMENT STATE OF NEW MEXICO

TYPE OF REPORT - (X)

Initial Completion

General Survey Special

Form C-124 Revised 10-1-78

RESERVOIR PRESSURE REPORT

Charator	1			100							-								
N B Hint				3								County			<u>.</u>	oat•			
iluii c		- 1		$\frac{1}{1}$	ULII	_[Lea		-	Nove	November 18		1982
n Big	Springs	s St.		Produc	Producing Formation		Oll Gradlent	lent	Wat	Water Gradient	lent	ğ	Gas Gravity		Da	Datum Plane	•		
Midland, Texas	79701				Drii	Drinkard	1		pst/ft.		1	ps1/ft.	1			(-3050)	20)		
					<u>=</u>		H	SHUT-	BOMB !	BOMB TEST DATA	ATA		SON	SONIC INSTRUMENT TEST DATA.	MENT T	EST DA	TA.		
LEASE	wer.		LOCATION	N ELEV.)) (0 & (0 & (0 & (0 & (0 & (0 & (0 & (0 &	į		z ‡	7637	TEMP.	OB.	PROD, TEST (BBLS./DAY)	TEST	LIQUID	Liouis	WT. OF	wT. OF	C\$6.	PRESS.
		3	1 8	α	(C)	TESTED		PACSS.	DEPTH	:	PACSS.	2 110	WATER	LEVEL		50 L.		PAESS.	DATUM
					· · · · ·														
Mittie Weatherly	4	m	21 21s	21s37e 34	3458 0	11/17/82	32 48	371	5636	106	432			. 1			.01		442
Mittie Weatherly	ເດ	(F)	21 21s	21s37e 34	3485 0	11/17/82 48	12 48	346	6200	106	409			ï			.010		412
Mittie Weatherly	. 2	ڻ	21 218	21s37e 34	3445 G	11/17/82	2 48	294	6350	106	348	٠.		. 1			000		949
		·			GI				•								}		; ;
							· · · · · · · · · · · · · · · · · · ·												,
•							· · · · · · · · · · · · · · · · · · ·												
													<u></u>	-			·		
No. 3 well is un	nder	3	under workover	<u>s</u>									 -				5	(=	
No. 6 well is do	dead	a t	this	time				·							Pare	67) 67)		2	
				•		•								•	60	30	100 23 1305	7 7	
													·			121	DENA LA) Y.	
																2			
																			
411	· .] :			┤ .		-						1						

All depths plus or minus sea level; all pressures psi; Bomb shall be calibrated frequently enough against a dead weight tester to ensure an accuracy of one per cent; gas gravity shall be determined by analysis; liquid level shall be feet above datum plane. see RULE 302.

* Well shall be produced at least 24 hours prior to shutting in for sonic test.

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

(Signature)

Agent

(Tide)

November 18, 1982

RESERVOIR PRESSURE REPORT

Initial Completion

TYPE OF REPORT - (X)

		т			·		,			
1 7 1	Address 406 N. Big Spri	Midland, Texas	LEASG		Mittie Weatherly	Mittie Weatherly	witte Weatherly			
×	Spring St.	19/2	# E L		4	<u>က</u>				
	, .	- -	<u> </u>	 		<u></u>	ايا		: 	
	-		Loc		21	21	21			
Ì			LOCATION	뒮	1 S 2	1 21	2	ro.		
	3	-	ž	2	37 e	37 e	CJ.	a		
P∞1 B1	Producing Formation		ELEV.		3458 KB	3485 KB	3458	GL		
Blinebry	ing Formation			2	0	0	0	•		
ory			DATE	1 63 6	2/10/82	2/10/82	2/10/82			
	ວົ ຊື	\dashv	HUT - IA	4_	2 48	2 48	32 48		<u> </u>	
	Oil Gradient	_		+			 			
	٠ ١	\$ T	, = , =	PACSS.	419	345	502	·	·	
X 10 17 17 17 17 17 17 17 17 17 17 17 17 17		80M8	7637 8697W		5600	5700	5350			
	Water Cra	1EST 0	T EM	1	100	.110	100			
County	odlen!	DATA	03/836 03-836		487	402	756			
County	?-1 ' (†			٩						•
Lea	Cas Gravity	SO	PROD. TEST	MATER			2.	••	•	
		SONIC INSTRUMENT TEST DATA.	トモトモト	- 1	:		858			-1 -0
	-0	UMENT	CBAO	PS1/77.			.329		Leci	74 2
Date Feb	Detum Flore (-240	TEST D	417. OF	20			167			She ?
February	-2400)	ATA.	6 £ 6	28	.012	.013	.028		300	23
y 15,			PRESS.				1		ter.	320
1982		PAESS			490	404	923		RHX!	21.6

per cent; gas gravity shall be determined by analysis; liquid level shall be feet above datum plane. see Rule 302. All depths plus or minus sea level; all pressures psi; Bomb shall be calibrated frequently enough against a dead weight tester to ensure an accuracy of one

* Well shall be produced at least 24 hours prior to shutting in for sonic test.

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

(Signature)

Agent

(Tille)

February 15, 1982 (Deta)

19.**8**/

19.**82**

19.**83**

19.**8**4

19 **85**

19.

19**_79**_

19**_7.8**

19**80**

DRINKARD

BLINEBRY

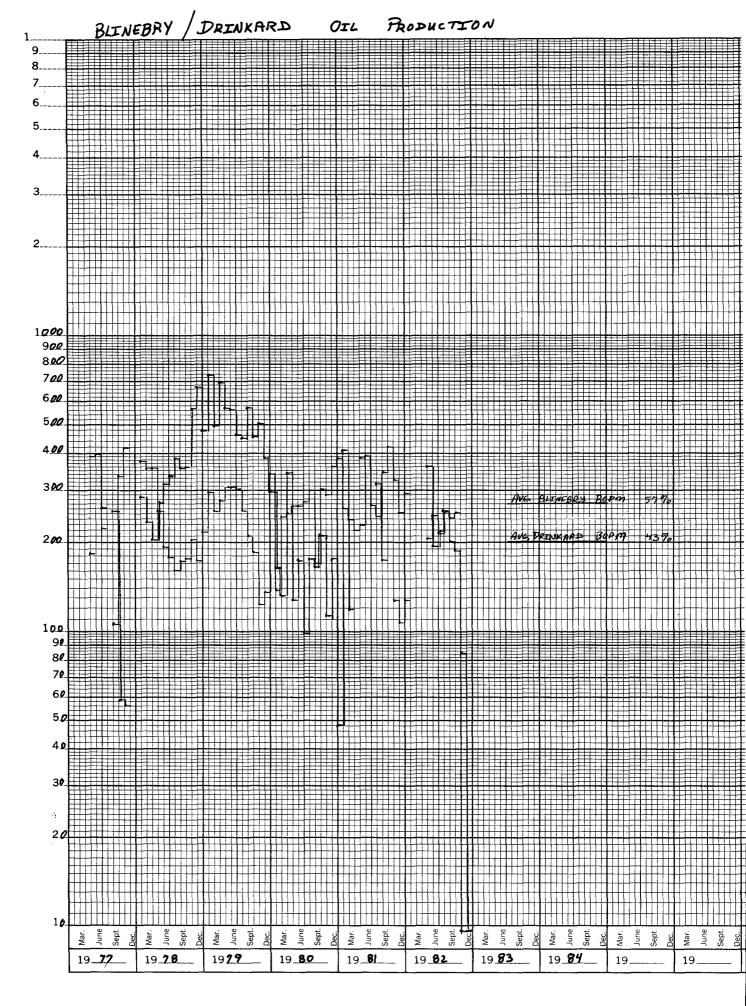
GAS

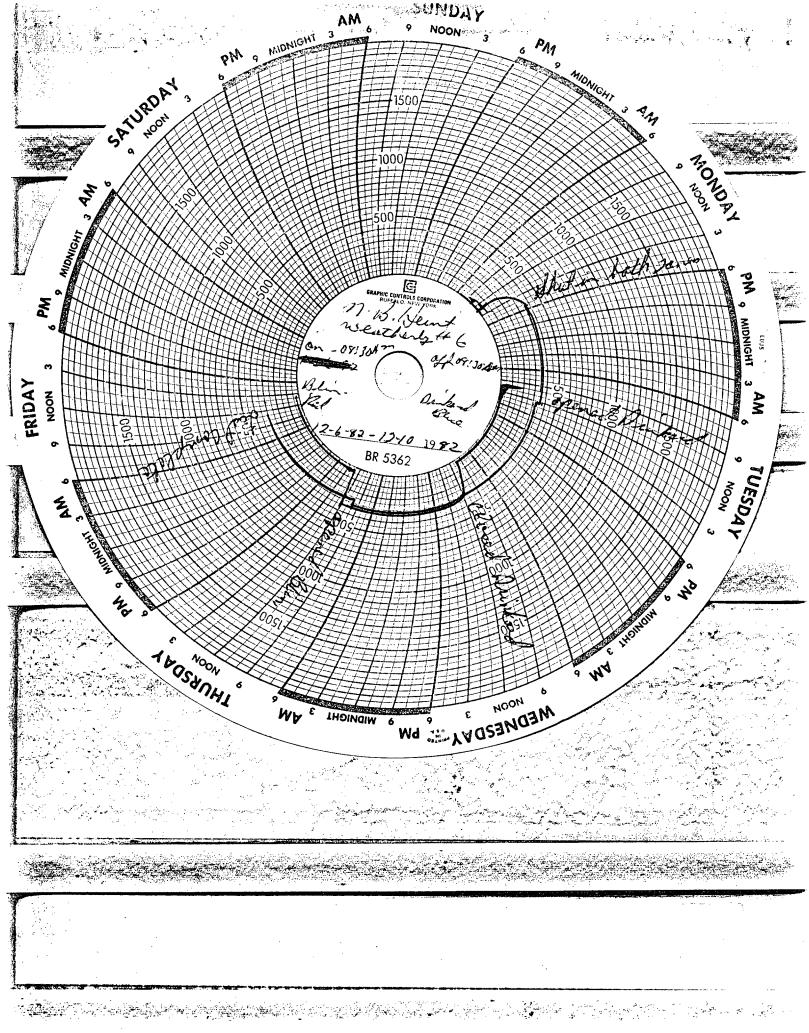
PRODUCTION

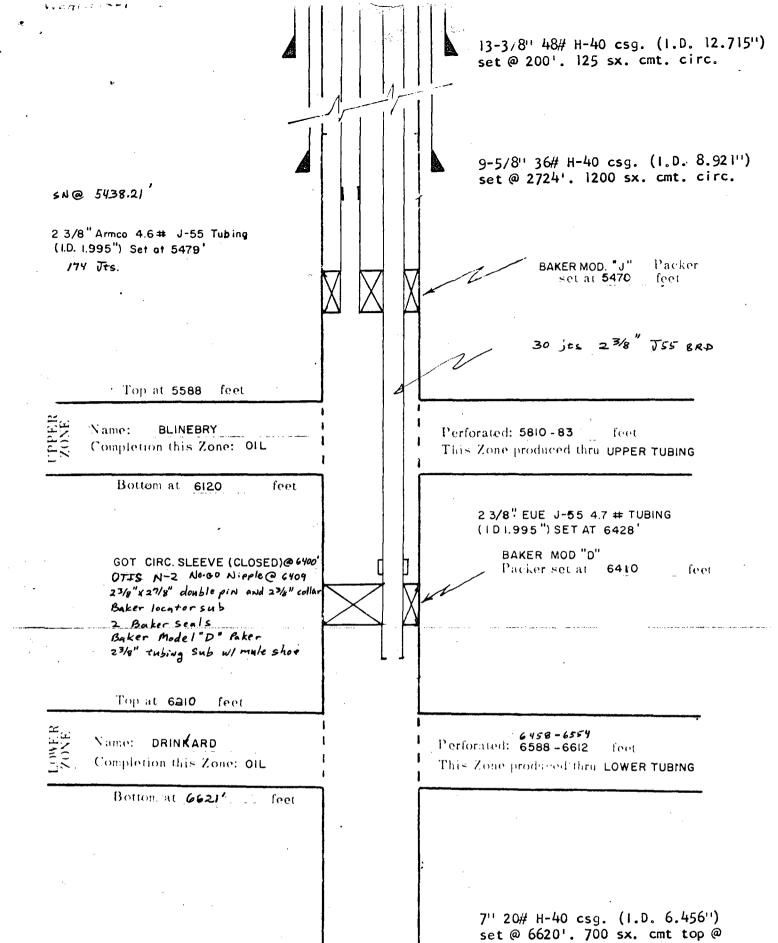
47 6840

H4€ 20 YEARS BY MONTHS X 3 LOG CYCLES REUFFEL & ESSER CO. MADE IN U.S.A. \$

19.72

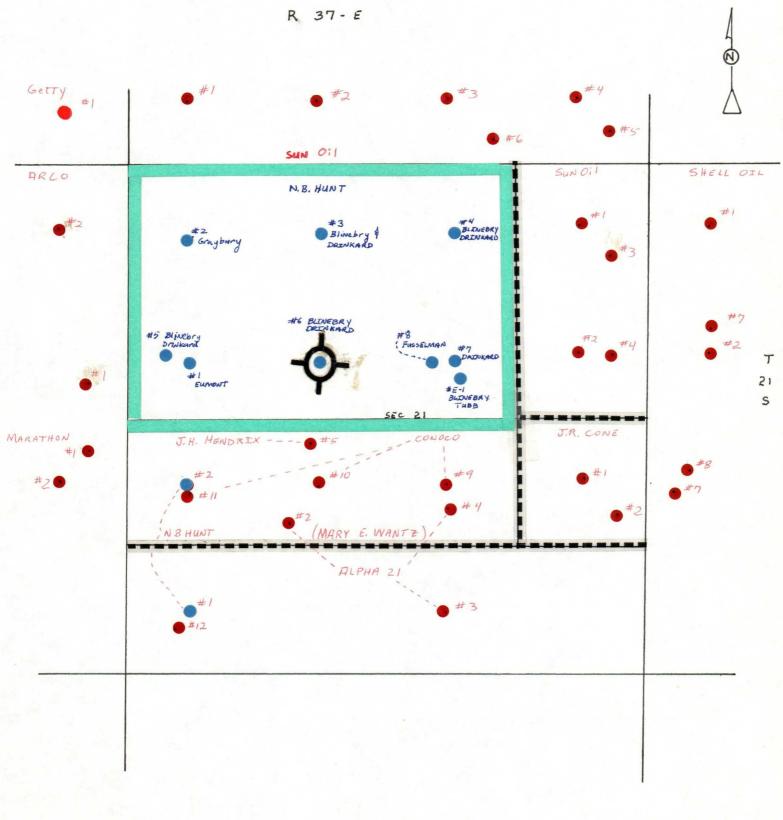






2000'. TD 6621'

N. B. Hunt Weatherly No. 6 Blinebry and Drinkard Pools Lea County, New Mexico



N.B. HUNT ENERGY CORPORATION
HOG N. BIG SPRING
MIDLAND, TEXAS

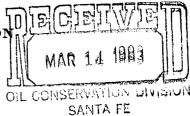
N. B. HUNT
MITTIE WEATHERLY #6

1-21-83

Lea Co. New Mexico

HUNT ENERGY CORPORATION

406 N. BIG SPRING MIDLAND, TEXAS 79701 March 4, 1983



Mr. Gilbert Quintana
State of New Mexico
Energy & Minerals Dept.
Oil Conservation Division
P. O. Box 2088
State Land Office Bldg.
Santa Fe, New Mexico 87501

Dear Sir:

Attached is the information that you and Mr. Ramey requested in his letter dated February 16, 1983 concerning our application for exception to Statewide Rule No. 303-A for our Mittie Weatherly #6. In response to question No. 2, we ran a BHP survey last week on the Drinkard zone which indicated the BHP to be 433 psi. Please correct the original estimated pressure of 392 psi on the application to 433 psi.

Thank you for your assistance and your patience in regard to our application. If I can be of any further help, please let me know.

Sincerely,

Earl Levea

Acting District Engineer Hunt Energy Corporation

Attach.

EL/bsb

SANTA FE, NEW MEXICO 87501

CIT CO CARROLL C. C. C. C.

Form C-116
Revised 10-1-78

GAS-OIL RATIO TESTS

	(*1) Note		മമ			Weat					Miez
	:: Thi		therly;		5 .	ther]v.		r m As	1601	2 N.	
	s well		M M	Mitt	<u>.</u>	≾ 1+ +		M X A X M	Elm		
	has		1 e	ie (^-	·	д = Г = -			Da 1		
	been			43			7 0	WELL	las,	2	
	s hu t		 				. -	F	Tex		
			 	В С		ب	c		xas		
	n f		21	21) r	<u>)</u>	5	LOCATIO	75201	-	100
	rom J		21S 2:1S			210	٦	ATION			۱
	une		37E	7	٠ -	271	מכ			Blin	
	through		\$ ∞	1 1		<u> </u>		DAT		linebry	
÷ ,			29-8; 25-8;	4-8 8-8		110	TEST	TEOF	7 7		
			1 T C C				3 TA	TUS	S. A.		
	pres		26/64 24/64	4/6 2/6	17) `	SIZE	CHOKE	T - (X)		,
	ent,		110 35	90 90	150	J)	PRESS.	TBG.	Sch		
	o a mo		12	146 17	4	·	ALLOW-	סאורא	Scheduled XX		
	r e	····	24	24 24	- 24		1				
	recent	Terrent Constitution (Constitution (Constitution (Constitution (Constitution (Constitution (Constitution (Cons	00		C)	Bars.		Com	Lea	
	tes		22 Q	ည် ၁၈ ဝ	:	······································	CRAV.	PROD, (Completion [
	Was		12		0		3788 210	DURING			
	not p		245	$\supset \omega$	196		GAS H.C.F.	TEST	33		
	possib		ω -		1			GAS -	[5 ect 2]		
<i>:</i>	s i b l e		8,333	77.	1 1		RATIO CU.FT/BB:	s - or			

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-ell relie test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well to laceted by more than 23 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned. sacressed silumables when authorized by the Division.

will be 0.50. Can volumes must be reported in MCF measured at a pressure base of 15,025 pole and a temperature of 60° P. Specific gravity base

Report cosing pressure in lieu of lubing pressure for any well producing through casing.

Rule 121 and appropriate pool rules. Hall original and one copy of this report to the district effice of the New Mexico Oli Conservation Division in accordance with

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

O.V. Stuckey (Sismary)
District Superintendent

Petrici Sent to Sallas 10.18-82/956

October 18,

1982

(Due)

(Tide)

S. In

SANTA FE, NEW MEXICO 87501

Form C-116 Revised 10-1-78

GAS-OIL RATIO TESTS

	* ₹			10101 of
	Weatherly, Mittie	LEASE NAME	1601	N. B.
	Mittie	T M	Thanksgiving Tower Elm Dallas,	Hunt
	6	NO.	ing T Dal	
	71	С	ower	
	21	" . 6	1.	P 00
	215	S. T	1	. 0
	37E	20	75201	Dri
	9-27-82	DATE OF TEST	1	Drinkard
	2 F28/6	SIZE	TEST - (X)	
· · · · · · · · · · · · · · · · · · ·	4	m	×	
	51 51	TBG.	Sched	
	6	ALLOM-	Scheduled XX	Con
	24	TEST NOUAS		County
	2	WATER BBCS.	Comp	Lea
•	36	CRAV.	Completion	۵
	12	OIL		
	280	TEST GAS M.C.F.	Special .	
	23,33	GAS - OI RATIO CU.FT/BI		

No well will be assigned an allowable greater than the amount of all produced on the official test,

sacreased allawables when authorized by the Division. During gas-oil rollo 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.

will be 0.80. Gas valumes must be reported in MCF measured at a pressure base of 15,025 pain and a temperature of 60° F. Specific gravity base

Report cosing pressure in lieu of tubing pressure for any well producing through cosing.

Rule 101 and appropriate pool rules. Hall original and one copy of this report to the district office of the New Mexico Oli Conservation Division in accordance with

Carendant to 600 10.12.02/ 848

is true and complete to the best of my k ledge and belief.

I hereby certify that the above inform:

0.V. Stuckey/signature)
District Superintendent

(Tida) October 18, 1982

1941)

General Survey Special nitial Completion TYPE OF REPORT - (X)

ENERGY AND MINERALS DEPARTMENT STATE OF NEW MEXICO

OIL COMSERVATION DIVISION SANTA FE, NEW MEXICO 87501

RESERVOIR PRESSURE REPORT

				_				
All denths	Mittie Weatherly	Mittie Weatherly	Mittie Weatherly		_		Address	V.В.
All depths plus or minus sea level. all pressures not. Domb shall be calibrated from the contract	atherly	atherly	atherly		LEASE	miuianu, iexas	5	Hunt
	6	رن ت			, E		, St	
2	 <u>'</u>	দ্ৰ	В	+,		10/6/	Spring	
-	21	21	21	C G	רסכ		ts a	
	21 s	21 s	s 21	-	LOCATION		•	
	 37 e	37 e	37 e	23	8	-	71	
	3458 GL	3485 KB	3458 KB		ELEV.	Į.	Producing Formation	Pool
	0	0	0	6 8	9 0 5	Brinebry	Form	Blin
ادالم ممادا	1/26/83	1/26/83	1/26/83	JESTED	DATE	ory	,	Blinebry
	 42	4	48	3н	UT - IN	\dashv	Oil Gradlent	
	327	346	363	PRESS.	18G.			·
	53.50	5700	5600	DEPTH	1,	pst/II.		·
	100	100	100	;	TEMP. SER		Water Gradieni	
	386	401	423	7 K S S S S S S S S S S S S S S S S S S	OB. SERVED	1		0
			 	0 10	PROD. TEST	psi/It.		County
				WATER	TEST LI	3	Gas Gravity	Lea
			••.	LEVEL			ly	
				PSI/FT.	CHOUSE LIGHT	-	D	
				29. 20.	QUID CIQUID WT. OF WT. OF	(-)	Datum Plane	1/2
-	011	.010	.012	-		-2400)	•	1/27/83
				PRESS.	cse.			
	392	403	426	MULYG	PRESS.			

per cent; gas gravity shall be determined by analysis; liquid level shall be feet above datum plane. see RULE 202. All depths plus or minus sea level; all pressures psi; Bomb shall be calibrated frequently enough against a dead weight tester to ensure an accuracy of one

* Well shall be produced at least 24 hours prior to shutting in for sonic test.

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

(Signature)

· (Title)

A 14 /ma

TYPE OF REPORT - (X)		
Initial Completion		•
Special	×	•
General Survey		
Operator		

RESERVOIR PRESSURE REPORT

Mittie Weatherly	LEASE	Address 406 N. Big Spring,	Operator N. B. Hunt
6	. L	Midland	
F 2121 S	LOCATION	and, Tx	
37 3458 E GL	THE THE	Productr B 1	Pool
0	(6) GAS	Producing Formation Blinebry	Blinebry
2/25/83	DATE		bry
48	SHUT — [N Hours	O11 Gradient	
369	SHUT- IN TBG.		
6400'	BOMB TE	pst/ft. Water	
106 432	ST D	er Gradient	
32	S	nt psi/ft.	County
	PROD. TEST (BBLS./DAY)	Gas Gravity	nty Lea
	SONIC INSTRUMENT ST LIQUID LIQUID Y) LEVEL GRAD- IENT R PSI/FT.	ilty	
	LIQUID GRAD- IENT PSI/FT.	- 0	D
	WT. OF WT. OF LIQUID GAS	Datum Plane (-3050)	Date 3
.01		0)	3/3/83
	CSG.		ω
433	PRESS.		

per cent; gas gravity shall be determined by analysis; liquid level shall be feet above datum plane. see Rule 302, All depths plus or minus sea level; all pressures psi; Bomb shall be calibrated frequently enough against a dead weight tester to ensure an accuracy of one

* Well shall be produced at least 24 hours prior to shutting in for sonic test.

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

Acting District Engineer (Tille)

3-3-83