Submit 3 Copies To Appropriate District Office	State of Energy, Minerals	New Me			Form C-103 Revised June 10, 2003
District I 1625 N. French Dr., Hobbs, NM 88240	Lifergy, witherars	and Ivall	irai Resources	WELL AP	I NO. 30-025-34171
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSER			5 Indicate	Type of Lease
<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410	1220 Sout			STA	TE FEE
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa P	'e, NM 8'	/303	6. State Oi	l & Gas Lease No.
(DO NOT USE THIS FORM FOR PROPOSAL DIFFERENT RESERVOIR. USE "APPLICAT."		PEN OR PLU	JG BACK TO A	7. Lease N Lockhart A	ame or Unit Agreement Name
PROPOSALS.) 1. Type of Well: Oil Well X Gas Well O	ther			8. Well Nu	umber 15
Name of Operator ConocoPhillips C	Company			9. OGRID	Number 217817
3. Address of Operator 4001 Penbro Odessa, TX	ook Street 79762			10. Pool na Drinkard/E	ame or Wildcat Blinebry
4. Well Location					
Unit Letter F : 19	feet from the	North	line and	2310 f	feet from the West line
Section 27	Township 21		ange 37E	NMPM	County Lea
	1. Elevation (Show was 3410' GR	hether DR	, RKB, RT, GR, etc	c.)	
	propriate Box to Ir	ndicate N	lature of Notice,	Report or (Other Data
NOTICE OF INTE PERFORM REMEDIAL WORK P	NTION TO: LUG AND ABANDON		SUB REMEDIAL WOR	-	`REPORT OF: ☐ ALTERING CASING ☐
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DRI	LLING OPNS.	PLUG AND ABANDONMENT
	MULTIPLE COMPLETION		CASING TEST AN CEMENT JOB	ID	ABANDONMENT
OTHER: Downhole Commingle		X	OTHER:		
 Describe proposed or complete of starting any proposed work) or recompletion. ConocoPhillips Company requests D the subject well. Form C-107A, with attachments, is e 	. SEE RULE 1103. I istrict approval to dov	For Multip	le Completions: At	tach wellbore	diagram of proposed completion
				12	E1511101881937
DHC Order No.	HOB-00	86			
I hereby certify that the information abo	ve is true and comple	te to the be	est of my knowledge	e and belief.	
SIGNATURE (SCIENTE AND	Mak	TITLE R	egulatory Analyst		DATE_ 03/10/2004
Type or print name Celeste G. Dale					
(This space for State use)		E-mail ac	ldress:		Telephone No.

District I 1625 N. French Dri

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Form C-107A Revised June 10, 2003

APPLICATION TYPE

X Single Well

APPLICATION FOR DOWNHOLE COMMINGLING

Establish Pre-Approved Pools
EXISTING WELLBORE X Yes No

ConocoPhillips Company			400	1 Penbrook S	Street Odessa,	TX 79	762			
Operator			Add							
Lockhart A-27	15 Well No.			S.27,T21S,R3				Lea		
Lease				Section-Township	•				ounty	
OGRID No. 217817 Property C	ode 31405	API N	o. <u>30-0</u>	25-34171	Lease Ty	/pe:	X_Feder	al	State	_Fee
DATA ELEMENT	UPPI	ER ZONE		INTERM	EDIATE ZON	1E	I	LOWER	R ZONE	
Pool Name	Blinebry Oil	& Gas (O	il)				Drinkar	d		
Pool Code	6660						19190			
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5514' - 5550'						6350' - 6	5593'		
Method of Production (Flowing or Artificial Lift)	Artificial Lift	t					Artificia	ıl Lift		
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	<500psig (Es	st.)	-				<500psi	g (Est.)		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1200 BTU						1200 B	ru		
Producing, Shut-In or New Zone	Blinebry						Drinkar	d		
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 12/ /)	Date:			Date:	06/ /20 104mc		
Fixed Allocation Percentage (Note: If allocation is based upon something other	Oil	Gas	.	Oil	Gas		Oil		Gas	
(Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	50	% 40	%		%	%	50	%	60	%
	4	AD	DITIO	NAL DATA						
Are all working, royalty and overridin If not, have all working, royalty and o	g royalty intere verriding royalt	sts identica	al in all co	ommingled zon	es? certified mail?			Yes Yes	_X_ No No	
Are all produced fluids from all comm								Yes	X No_	
Will commingling decrease the value	of production?							Yes	No	<u>X</u>
If this well is on, or communitized wit or the United States Bureau of Land M						ands		Yes	<u>X</u> No	
NMOCD Reference Case No. applical	ole to this well:									
Attachments: C-102 for each zone to be comming Production curve for each zone for For zones with no production hist Data to support allocation method Notification list of working, royal Any additional statements, data or	or at least one year, estimated plant or formula. Ity and overriding	ear. (If not a production in groyalty is	available rates and interests f	attach explana supporting dat or uncommon	ation.) a.					
		PRE-	-APPRO	OVED POOL	S					
If application i	s to establish Pr	re-Approve	ed Pools,	the following a	dditional inforn	nation v	vill be req	uired:		
List of other orders approving downline List of all operators within the propose Proof that all operators within the propose Bottomhole pressure data.	ed Pre-Approve	d Pools				n.				
I hereby certify that the information	_		-	3						,
SIGNATURE CILLUSTI	Alla	<u></u>	TTLE_F	Regulatory Ar	nalyst		_DATE	02/.	24/04	/
TYPE OR PRINT NAME Celeste	G. Dale			TEI	LEPHONE NO	D. (<u>)(</u>	432)368	3-1667	-
E-MAIL ADDRESS Relasto	a. dalo	@ con	oco N	hillins Co	m					

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires November 30, 2000

5. Lease Serial No. LC 032096A

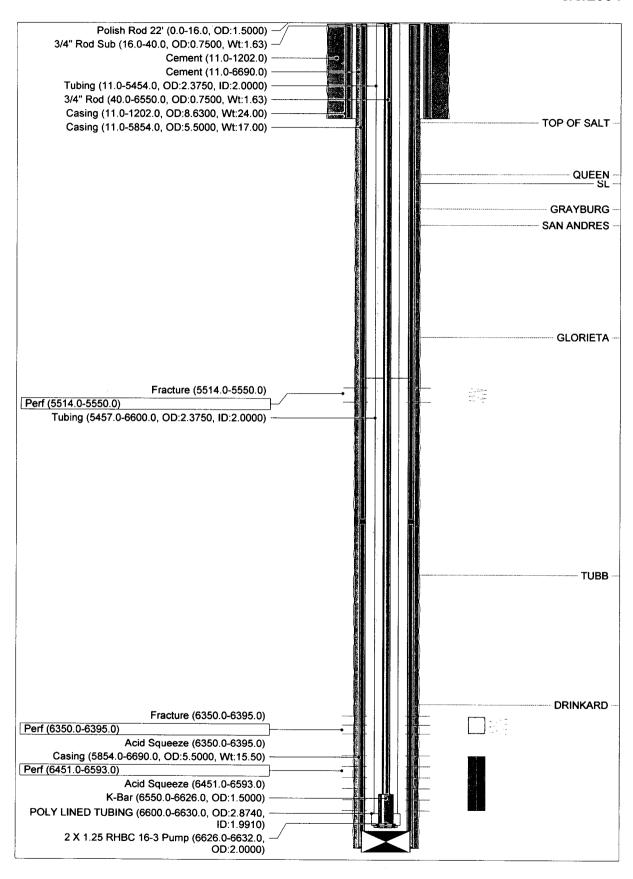
SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

abandoned	well. Use Form 3160-3 (A	osals.	6. If Indian, Allottee or Tribe Name			
SUBMIT IN TH	RIPLICATE - Other inst	ructions on reve	rse side	7. If Unit	or CA/Agreement, Name and/or No.	
1. Type of Well						
2. Name of Operator	Other				ame and No. t A-27 #15	
ConocoPhillips Company				9. API W		
3a. Address		3b. Phone No. (i	nclude area code)	30-025-3		
4. Location of Well (Footage, Se	essa TX 79762 ec., T., R., M., or Survey Descrip	(432)368-166	7		nd Pool, or Exploratory Area I/Blinebry	
1980' FNL & 2310' FWL	c., 1., K., M., or Survey Descrip	non j			y or Parish, State	
Sec. 27, T-21-S, R-37-E				Lea		
				New Me		
	PPROPRIATE BOX(ES)	TO INDICATE NA	TURE OF NOTICE, R	EPORT, O	R OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	Production (Start	/ Resume)	☐ Water Shut-Off	
	☐ Alter Casing	☐ Reclamation		☐ Well Integrity		
☐ Subsequent Report	Casing Repair Change Plans	on Recomplete		Other Downhole		
☐ Final Abandonment Notice	☐ Change Plans ☐ Convert to Injection	on	ndon	Commingle		
		Plug Back			ork and approximate duration thereof.	
ConocoPhillips Company Copy of NMOCD Form C-					ŕ	
					·	
DHC Order	No. HOB	-0086				
14. I hereby certify that the foregoin	g is true and correct					
Name (Printed/Typed) Celeste G. Dale		Title	ulatory Analyst			
Signature //	1 2	Date	alatory / tharyot			
- Ciffeett			6/2004			
	THIS SPACE I	OR FEDERAL OR	STATE OFFICE USE			
Approved by			Title	D	ate	
Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to	or equitable title to those rights	ce does not warrant or s in the subject lease	Office			
Title 18 U.S.C. Section 1001, makes fraudulent statements or representation	s it a crime for any person know ons as to any matter within its	ingly and willfully to r jurisdiction.	nake to any department or ag	gency of the U	Jnited States any false, fictitious or	

ConocoPhillips Company Downhole Commingle Permit Drinkard & Blinebry Lockhart A-27 No. 15

- The Lockhart A-27 No. 15 well was originally completed as a Drinkard producer in March 1998. Attached are the reported volumes from the Drinkard from 1998 through July 2003 in addition to a production decline curve showing the predicted natural decline.
- In July 2003 a RBP was set above the Drinkard zone and the Blinebry was perforated and fractured stimulated. All the production from the well since July 2003 through current is from the Blinebry.
- From the attached decline curve and the well test data both zones produce the
 approximate same oil volume 3 BOPD. The gas volume in the Blinebry zone is
 80 MCFGPD as compared to the last test in the Drinkard at 100 MCFGPD.
 Therefore allocation from each zone after commingling should be 50% for oil
 production and 40% for gas from the Blinebry and 60% for gas from the Drinkard.
- The RPB as shown in the attached wellbore sketch will be pulled as soon as the downhole commingle permit is approved. After pulling the RPB the downhole pump will be lowered to below the bottom perforation in the Drinkard to allow efficient depletion of both zones.



LOCKH	ART A-	27 #15 (JG (7/21	/2003)								
API No.				, <u></u>		3	002534	1710000				
Spud						77.2		/1998				
Complet							3/24	/1998		•		
Abandor Frm. Pro						-						
Well No.				W				kard 5				
Field						93.00 grantes		khart				
Init. Wel	Class.											
Status												
Permit RR												
Last Act												
TD							6690	0 ftKB				
PBTD								0 ftKB				
Operator						7764-1	CON	ОСО				
Permit N District	0.											
Final We	II Class						Hobb	s O.U.				
Frm. at 7							Drin	kard				
Elevation							Dilli	Kara				
KB-Grd								11.0 ft				
Grd								3410.0 ft				
Tub Hea	d							0.0 ft				
KB Cas Fing	1							3421.0 ft				
	ole Data							0.0 ft				
2016 11	J.C Data	Si	ze			-		Depth				
			n)					(ftKB)				
		12.2	2500		10000			1202.0				
			000					6690.0				
		Surface Ca	sing									
Grd	Item			Btm		Comments	ID	Thd	Jnts	Wt		
M-50	(in) 8.6300 in	Cooina		(ftKB) 1202.0				0.4000	0.4.070		21.00	
		Production	Cae					8.1000	8rd STC	29	24.00	
	Item	Troduction	Cas	Btm		Comments		ID	Thd	Inte	Jnts Wt	
	(in)			(ftKB)		Comments	10	ilia	JIILS	***		
	5.5000 in			5854.0			4.8900	8rd LTC	141	17.00		
	5.5000 in			6690.0				4.9500	8rd LTC	20	15.50	
	Cement									.,		
Amour	it			Co	mments			Casing	String		Тор	
(sx) 545	_					*		Surface Cas		_ _(ftKB)	
1315	Cmt	circ						Production (11.0 11.0	
Perfora								r roadollori c	Jasing		11.0	
	nt	Shots			Co	omments	· ·-		Туре	T	Date	
-		(/ft)							.,,,,,	1		
6451.0	- 6593.0	3.3	@ 64	151-58, <u>647</u> 2	2-76, 6482-86, 6	6497, 6503, 6524, 6	530-34	, 6539-42,	Jet		1/1998	
6350.0	- 6395.0	3.3				8-93 in 700 G 15%	NEFE	HCL.	perforation	۱	4/4555	
0330.0	- JJJJ.U	3.3	(W) 03	350-62, 639	J- 3 5 .				Jet perforation		4/1998	
5514.0	- 5550.0	4.0	@55	14-5550'	70			· · · ·	Jet		3/2003	
									perforation		.5,2000	
Stimula	tions &	Treatments										
	nt	Zone			Comments			Туре	Date		Fluid	
6451.0	- 6593.0	Drinkard				fs w/1,200 G 15%	Acid S	queeze	3/12/199		NEFE	
						5% NEFE HCL &				HCI	-	
				um in 3 min	850#. Fair BA.	151P=950#,						
6350.0	- 6395.0	UPPER	1500	GAL. 15%	& 30 1 3BS BI	DP-3400. BALLED	Acid S	Squeeze	5/4/1998	150	NEFE	
		DRINKARD	OUT	TO 5000PS	SI. ISIP-1380				5.4,1530	HCI		
6350.0	- 6395.0	UPPER			FRAC 3500, 8		ire			CTRA-		
		DRINKARD			00, 16,600# 16/							
		į :			OPPANT, MAXII							
					DN 6#/GAL. TREATMENT TW/ 30 BBL FLUSH							
				AINING.								
-					.,		1		L			

stimulat	ions &	Treatment	s (con't)							
In		Zone		Comments			Туре		ate	Fluid
5514.0 -		BLINEBRY	GAL OF WF-1 49000 LBS 16/ 16/30 CR4000	10, 6000 LBS 100	/ITH 54000 GAL YF-140ST, 5428 0, 6000 LBS 100 MESH SAND, 80 JORDAN SAND, 51000 LBS RESIN SAND.				0/2003	SCHLUMBI
		- Primary T								
Grd	Item (in)		Comments		ID (in)	The	d Jnts	Len (ft)	Top (ftKB)	Wt
		in Tubing	Park	1.10.1	2.0000	8RI) 172		11	
		in Tubing		*	2.4000	0.1.		3.0		
J-55	2.3750	in Tubing		****	2.0000	8RI	5 3	95.0	5457	.0 4.70
J-55	2.8740	in POLY TUBING			1.9910	8RI		31.0	5552	
	2.3750 Nipple	in Seating	, n <u>. v.</u>	***	1.7800		1	1.0	5583	.0 0.00
	2.3750 2'	in SOPMA			2.0000		1	5.0	5584	.0 4.70
Rod Stri	na - 3/4	4" Rod Stri	na							
Туре		omments			Size (in)		No.	Len (ft)		Top (ftKB)
Dip Tube					1.00	00	1	0.0		0.0
olish Roc	d 22'				1.50		<u>i</u>	16.0		0.0
/4" Rod S		lorris D's. 2'.	2', 2', 4', 6', 8'.		0.75		6	24.0		16.0
/4" Rod		lorris D's			0.75		219	5475.0		40.0
(-Bar			R BETWEEN K	-BARS	1.50		3	52.0		5515.0
X 1.25 RHBC 16- Pump					2.00		1	16.0		5567.0
omplet	ions &	Workovers	3						1	
Reason fo Vorkover	or	Reason for Failure	Date	Summary						
omplete Jpper Drir	nkard	Add Perforations	5/1/1998	Complete Uppe						
Stuck Pun	np :	Sand	5/20/1998	Stuck Pump - P RIH w/pump, SI pumping, TFF (LD the 2' SOPM	N @ 6614', 2' 2) 6622', CO to	SOPN 0 6640	IA @ 6616'. I ' w/sand pum	Next morning p. Moved S	a found	well not

30025341710000 2/20/2004

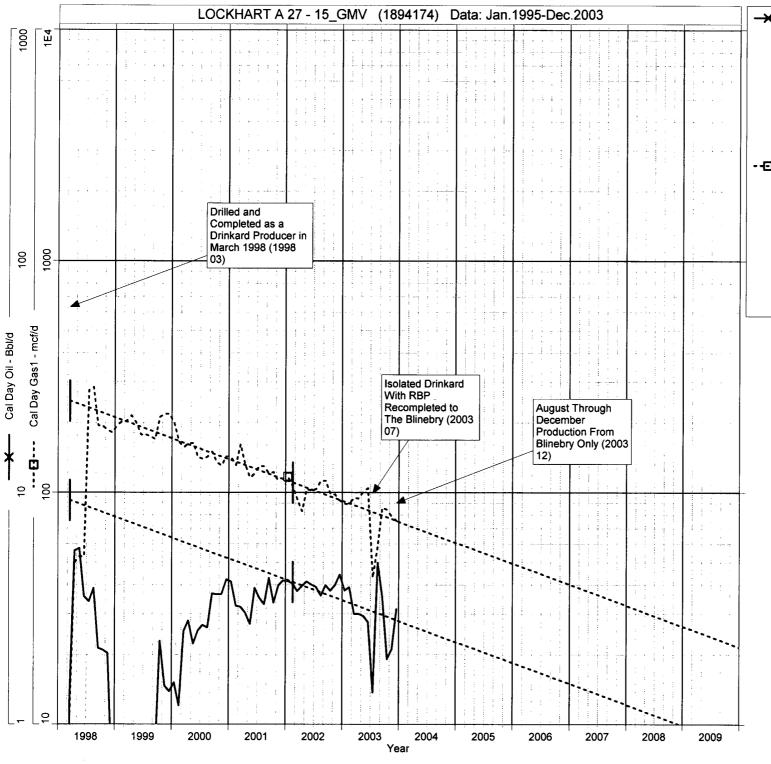
Reason for Failure Re-completion	7/17/2003	RECOMPLETE/ ADD BLINEBRY PERFS - MIRU PULLING UNIT. UNSEAT PUMP, PUMP STUCK. BACKED OFF RODS, COOH WITH RODS, CAME OUT OF HOLE WITH RODS, K-BARS, LEFT PUMP ON BOTTOM. MIRU PUMP TRUCK, KILL WELL. NU BOP, RIH TFF. COOH WITH TUBING. PU
	7/17/2003	PUMP, PUMP STUCK. BACKED OFF RODS, COOH WITH RODS, CAME OUT OF HOLE WITH RODS, K-BARS, LEFT PUMP ON BOTTOM. MIRU PUMP TRUCK, KILL WELL. NU BOP, RIH TFF. COOH WITH TUBING. PU
		IRIH w/ bit and Scraper to 6624, Hot oil tubing, scanned tubing out of hole, found 199 yellow jts and 1 Blue jt PU RIH w/ RBP on tubing, set RBP @ 5700. Load hole, test plug to 2000#, Held OK, Dump 200# of 20/40 sand on RBP, Spot 300 gal. 15% HCL @ 5550′, Flushed w/20 bbls treated 9# brine, POOH w/ tubing. MIRU SCLUMBERGER, HELD PJSM. RIH WITH 4" HEGS CASING GUNS USING SECURE DETONATORS LOADED 4 JSPF. PRESSURE TEST LUBRICATOR TO 1500 PSI, OK. RIH AND PERFORATE BLINEBRY ZONE 5514′-5550′. MADE 2 RUNS. RD SCHLUMBERGER. RIH WITH 5.5 MX-1 TREATING PKR ON 170 JTS TUBING. SET PKR AT 5395′. LOAD AND TEST CSG TO 2000 PSI, OK. MIRU SCHLUMBERGER. TEST LINES, HELD PJSM BREAK DN BLINEBRY PERFS. PUMPED 16 BBLS TO CATCH PSI, PUMPET TOTAL 36 BBLS 2% KCL BEFORE PERFS BROKE BACK, PERFS BROKE BACK AT 4375 PSI. STARTED ACID, PUMPED 5 BBLS 15% ACID, THEN STARTED DROPPING 5 BALL SEALERS EVERY BBL PUMPED. DROPPED 200 BALL SEALERS, PUMPED 60 BBLS 15 % ACID, WITH 26 BBLS. 2% KCL ELUSH. SHUT DN, ISIP 1123 PSI, 0 PSI IN 2 MIN. AVERAGE RATE 4.2 BPM AVERAGE TREATING PSI 2585 PSI, TOTAL BBLS PUMPED 113 BBLS. HAD GOOD BALL ACTION, BUT DID NOT BALL OUT. RD SHLUMBERGER. START SWABBING. SWABBED 16 BBLS BACK. OPEN WELL, 20 PSI, BLED WELL DN INTO FRAC TANK. RIH AND START SWABBING, FIRST RUN FLUID LEVEL AT 5000′ FROM SURRACE. MADE 3 MORE SWAB RUNS FLUID LEVEL AT 5000′ FROM SURRACE. MADE 3 MORE SWAB RUNS FLUID LEVEL AT 5000′ FROM SURRACE. MADE 3 MORE SWAB RUNS FLUID LEVEL AT 5000′ FROM SURRACE. SWABBING ON WELL. 20 PSI, BLED WITH 3 RUNS, HAD 100′ OF FPERFORATIONS. PU AND RESET PKR. START SWABBING, FLUID LEVEL AT 4800′ FROM SURFACE. SWABBED DN WITH 3 RUNS, HAD 100′ OF FPERFORATIONS. PU AND RESET PKR. START SWABBING, FLUID LEVEL AT 4800′ FROM SURFACE. SWABBED DN WITH 3 RUNS, HAD 100′ OF PORTOR SURFACE. SWABBING ON WELL. FIRST SWAB RUN NO FLUID LEVEL. MADE SWAB RUN EVERY HOUR. SWABBED DN WITH 3 RUNS, HAD 100′ OF PORTOR SURFACE. SWABBING ON WELL. FIRST SWAB RUN SOF 6-7 BBLS ALL WATER. LOAD TO RECOVER TOTAL 212 BBLS, RECOVERED 22-23 BBLS TO DATE. SWAB

Facility		Compl.	Lease	Well	Pool	Day	31		Oil	Water	Gas	Days NOT	DOWN H	OLE COM	INGLED	Fld. Level		Downtime				Compl.
ID	Lease	D	Code	No.	Code	Mo.	Day	Yr.	Test	Test	Test	Produced	OIL	WTR	GAS	FAP	Status	oil	gas	Comments	Facility ID	ID
1870020	LOCKHART A-27	1894174	6812945	15	GMV - CXB	08	24	03	6	2	73	6				90'	OPU	5	59		1870020	1894174
1870020	LOCKHART A-27	1894174	6812945	15	GMV - CXB	09	22	03	4	2	92	3				90'	OPU	4	83		1870020	1894174
1870020	LOCKHART A-27	1894174	6812945	15	GMV - CXB	10	21	03	2	2	82	0				90'	OPU	2	82		1870020	1894174
1870020	LOCKHART A-27	1894174	6812945	15	GMV - CXB	11	03	03	2	2	75	0				90'	OPU	2	75	a magazani sari	1870020	1894174
1870020	LOCKHART A-27	1894174	6812945	15	GMV - CXB	12	03	03	3	2	73	0				90'	OPU	3	73		1870020	1894174

Recompleted well in Blinebry (with Drinkard below RPB). Moved rig off location, July, 31, 2003. Will be moving rig back on well to pull RPB and commingle this year. Contact Mike O'Connor for specific scheduling.

GMV = Drinkard Pool

CXB = Blinebry Oil & Gas Pool



→ Cal Day Oil - Bbl/d

Cum: 6.17 MSTB

-- 2003 POCO Oil - Bbl/d

Versus: Time

Relationship: Rate-Time

Qi: 4.14 Bbl/d 2002-02

Di (eff. ann.): 18.70 % (Exponential)

Qf: 0.02 Bbl/d 2027-02

RRt: 4.87 MSTB

EUR: 11.04 MSTB

-- Cal Day Gas1 - mcf/d

Cum: 283.53 MMSCF

-- - 2003 POCO Gas - mcf/d

Versus: Time

Relationship: Rate-Time

Qi: 110.99 mcf/d 2002-02

Di (eff. ann.): 18.73 % (Exponential)

Qf: 1.37 mcf/d 2023-04

RRt: 128.98 MMSCF

EUR: 412.50 MMSCF

MORNING REPORT

WELL NAM	E & NUMI	LOCKHAR	T A-27 NO. 15		FORMATION Blinebry
Date	OIL	WTR	GAS	Ср	FLP
8/12/03	0	17	0	35	35
8/13/03	0	6	18	35	35
8/14/03	1	7	27	35	35
8/15/03	3	6	44	35	35
8/19/03	3	5	67	35	35
8/20/03	4	6	77	35	35
8/21/03	6	3	78	35	35
8/22/03	4	1	77	35	35
8/23/03	6	11	74	35	35
8/24/03	6	2	77	35	35
8/25/03	6	2	79	35	35
8/26/03	4	2	81	35	35
8/27/03	6	2	75	35	35
8/28/03	7	2	87	35	35
8/29/03	6	1	91	35	35
9/2/03	8	2	90	35	35
9/3/03	5	1	99	28	28
9/4/03	5	1	100	30	30
9/5/03	5	1	72	35	35
9/8/03	0	1	51	35	35
9/9/03	3	1	55	35	35
9/10/03	6	2	65	35	35
9/11/03	3	1	72	35	35
9/12/03	5	2	82	35	35
9/15/03	5	3	92	35	35
9/16/03	4	2	92	35	35
9/17/02	4	2	93	35	35
9/18/03	4	2	92	35	35
9/19/03	4	2	94	35	35
9/22/02	4	2	93	35	35
9/23/03	3	2	94	35	35
9/24/03	3	2	93	35	35
9/25/03	3	2	93	35	35
9/26/03	3	2	93	35	35
9/29/03	3	2	92	35	35
9/30/03	3	2	91	35	35
10/1/03	3	2	91	35	35

Well: LOCKHART A 27 - 15_GMV Well Time Graph Report

			ine Graph	-
		WI	2003	2003
	WI Cal	Cal Day	POCO	POCO
Date	Day Oil	Gas1	Oil	Gas
	Bbl/d	mcf/d	Bbl/d	mcf/d
1998 01	0.00	0.00		
1998 02	0.00	0.00		
1998 03	1.23	10.13	9.25	248.40
1998 04	5.60	49.80	9.09	244.14
1998 05	5.74	52.90	8.94	239.94
1998 06	3.57	53.13	8.78	235.82
1998 07	3.39	275.68	8.63	231.77
1998 08	3.87	284.68	8.48	227.72
1998 09	2.13	194.13	8.34	223.81
1998 10	2.10	192.90	8.19	219.96
1998 11	2.03	185.27	8.05	216.18
1998 12	0.61	180.94	7.92	212.47
1999 01	1.00	195.00	7.78	208.76
1999 02	0.82	202.71	7.65	205.29
1999 03	0.90	203.19	7.52	201.88
1999 04	0.80	215.00	7.39	198.41
1999 05	0.81	200.26	7.27	195.00
1999 06	0.77	177.47	7.14	191.65
1999 07	0.68	177.29	7.02	188.35
1999 08	0.68	174.42	6.90	185.07
1999 09				
	0.67	169.53	6.78	181.89
1999 10	2.29	211.45	6.66	178.76
1999 11	1.47	218.23	6.55	175.69
1999 12	1.39	217.45	6.44	172.67
2000 01	1.52	200.13	6.31	169.20
2000 02	1.21	165.72	6.20	166.34
2000 03	2.52	156.26	6.10	163.54
2000 04	2.80	163.40	5.99	160.74
2000 05	2.23	163.42	5.89	157.98
2000 06	2.53	142.10	5.79	155.28
2000 07	2.68	139.35	5.69	152.62
2000 08	2.61	142.39	5.59	149.96
2000 09	3.67	149.93	5.49	147.39
2000 10	3.63	134.58	5.40	144.86
2000 11	3.64	130.47	5.31	142.38
2000 12	4.22	142.90	5.22	139.94
2001 01	4.12	141.77	5.14	137.88
2001 02	3.24	131.07	5.06	135.59
2001 03	3.21	161.13	4.97	133.33
2001 04	3.03	131.77	4.89	131.04
2001 05	2.71	115.45	4.80	128.79
2001 06	3.87	120.77	4.72	126.58
2001 07	3.50	130.00	4.64	124.40
2001 08	3.29	129.35	4.56	122.23
2001 09	4.28	120.83	4.48	120.13
2001 10	3.34	122.29	4.40	118.07
2001 10	3.97	111.60		116.07
		111.00	4.33	
2001 12	4.17	*	4.25	114.04
0000 04	4.4.4	440.04	4.40	440.05
2002 01	4.14	116.94	4.18	112.05
2002 02	4.05	106.50	4.11	110.19
2002 03	3.75	93.58	4.04	108.36
2002 04	3.95	83.00	3.97	106.50

Well: LOCKHART A 27 - 15_GMV

Well Time Graph Report

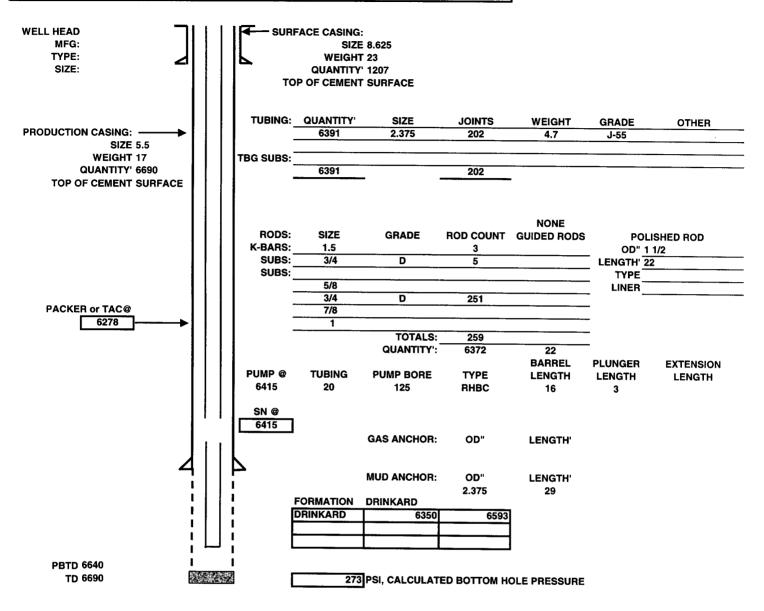
		weiri	me Graph	Kebou	
		WI	2003	2003	
	WI Cal	Cal Day	POCO	POCO	
Date	Day Oil	Gas1	Oil	Gas	
	Bbl/d	mcf/d	Bbl/d	mcf/d	
2002.05					
2002 05	4.13	103.19	3.90	104.67	
2002 06	4.00	102.07	3.84	102.87	
2002 07	3.91	103.32	3.77	101.10	
2002 08	3.59	111.94	3.71	99.33	
2002 09	3.98	112.27	3.64	97.63	
2002 10	3.77	98.74	3.58	95.95	
2002 11	3.99	97.80	3.52	94.30	
2002 12	4.42	92.06	3.46	92.68	
2003 01	3.77	89.23	3.40	91.06	
2003 01	3.90	89.36	3.34	89.55	
2003 02	3.00	94.77	3.29	88.06	
2003 03	2.99	94.17	3.23	86.55	
2003 05	2.93	100.97	3.17	85.06	
2003 06	2.76	104.33	3.12	83.60	
2003 07	1.37	43.00	3.07	<u>82.16</u>	
2003 08	4.98	58.29	3.01	80.73	- 1
2003 09	3.55	85.63	2.96	79.34	
2003 10	1.91	84.19	2.91	77.98	
2003 11	2.10	78.73	2.86	76.64	1
2003 12	3.14	75.35	2.81	75.32	
2004 01			2.76	73.81	
2004 01			2.71	72.56	7
			2.66	71.34	
2004 03				70.12	
2004 04			2.62		
2004 05			2.57	68.91	
2004 06			2.53	67.73	
2004 07			2.49	66.57	
2004 08			2.44	65.41	
2004 09			2.40	64.29	
2004 10			2.36	63.19	
2004 11			2.32	62.11	
2004 12			2.28	61.04	
2005 01			2.25	60.14	
2005 02			2.21	59.14	
			2.17	58.16	
2005 03			2.17	57.16	
2005 04					
2005 05			2.10	56.18	
2005 06			2.06	55.21	
2005 07			2.03	54.27	
2005 08			1.99	53.32	
2005 09			1.96	52.40	
2005 10			1.92	51.50	
2005 11			1.89	50.62	
2005 12			1.86	49.75	
2006 01			1.83	48.88	
2006 01			1.80	48.07	
				46.07 47.27	
2006 03			1.77		
2006 04			1.74	46.45 45.66	
2006 05			1.71	45.66	
2006 06			1.68	44.87	
2006 07			1.65	44.10	
2006 08			1.62	43.33	
20, 2004					

- ISOLATED DRINKARD ZONE IN AUG 2003

PROBUCTION FROM AUGUST THEOLIGH DEC 2003

IS FROM BLINEBRY OMLY.

WELL NAME & NUMBER: LOCKHART A-27 NO. 15	DATE:
LOCATION: 1980' FNL, 2310' FWL SEC 27, T21S, R37E	PBTD: 6640
ELEVATION: 3410	KB / AGL: 3421



District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, NM 87505

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

Revised June 10, 2003

Form C-102

☐ AMENDED REPORT

		7	WELL L	OCATIO	N AND AC	REAGE DED	CATION PL	ΔT			
	API Number			² Pool Code			' Pool Na				
<u> 30-025-</u>	<u>34171 </u>		666	0	B	linebry Oil & Gas	s (Oil)				
' Property C	ode				¹ Property N	lame			' Well Number		
		Lockhart	A-27						15		
' ogrid i	No.				, Elevation						
217817		ConocoP	hillips Cor		3410'						
					¹⁰ Surface	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Eas	t/West line		County
F	27	21S	37E		1980	North	2310	West		Lea	
			¹¹ B	ottom He	ole Location	If Different Fr	om Surface				
UL or lot no.	Section	Township Range Lot Idn Feet from the North/South line Feet from the Feet from the Range Ra							East/West line		County
12 Dedicated Acres	" Joint or	Infill " (nfill " Consolidation Code " Order No.								
40											

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-

	STANDA	<u>ARD UNIT HAS BEEN A</u>	APPROVED BY THE DIV	VISION
16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein i
				true and complete to the best of my knowledge and
	1980		·	belief. Signature Signature
	" " " "			Celeste G. Dale
3				Printed Name Regulatory Analyst
		•		Title and E-mail Address
2310'	#15	\		02/26/2004
				Date
	, , , , ,			¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat
				was plotted from field notes of actual surveys made by
				me or under my supervision, and that the same is true
				and correct to the best of my belief.
				Date of Survey
				Signature and Seal of Professional Surveyor:
				Certificate Number
]	l,		

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Form C-102

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☐ AMENDED REPORT

			WELL L	OCATIO	N AND AC	REAGE DED	ICATION PL	ΑT		31 (222 10	
4	API Number	•		² Pool Code			' Pool Na			' .' 	
30-025-1	34171		191	190	D	rinkard					
' Property C					¹ Property 1	Name			•	Well Number	
34405				15							
OGRID 1	No.				Operator 1	Name				' Elevation	
217817		Conocol	Phillips Cor	mpany					3410'		
					¹⁰ Surface	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Eas	t/West line		County
F	27	21S	37E		1980	North	2310	West		Lea	
			¹¹ B	ottom H	ole Location	If Different Fr	om Surface				
UL or lot no.	Section	Township	Range		Feet from the	North/South line	Feet from the	Eas	t/West line		County
¹² Dedicated Acres	" Joint or	Infill "	Consolidation (Code "Or	rder No.						
40											

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 16 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and Cieleste H. Dale Celeste G. Dale Regulatory Analyst Title and E-mail Address 2310' 02/26/2004 ¹⁸SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: 8278 Certificate Number

Lockhart A-27 No. 15 Blinebry Gas Recompletion & Downhole Commingle Procedure <u>June 3, 2003</u>

WELL INFORMATION:

(Refer to Wellview or the Attached Prepull Form for Schematic)

AFE #:

51-61-1423

AFE Approval

\$115, 000 Gross

\$58,000 Net

Interest

50% WI

API Number:

30025-34171

Location:

1980' FNL & 2310' FWL of Sec. 27, T21S, R37E, Lea County, NM

Zone/Pool:

Blinebry Oil & Gas Pool (NSL Order 4841 - Granted Feb 14, 2003)

Drinkard:

Battery Destination:

TD:

6,690'

PBTD:

6,645 (Float collar-Last cleaned out to 6640' in May 1998)

TOC:

Assumed to be at the surface. 32 Sks of cement were circulated during the

cement job. No CBL was run following the cement job.

KBE:

3,421'

GLE:

3,410'

KBM:

11'

Status:

Currently producing 100 MCFGPD with 1 – 2 BWPD on beam pump. Last pull

date was May 1998. Pump was full of frac sand with 20' of sand fill.

Well Control:

Expected Category 2 Type Well Following Blinebry Recompletion. Use Dynamic

Head Kill Procedure to kill the well and maintain hydrostatic head while installing

& removing BOP equipment and pulling tubing.

Casing Specifications:

Pipe	Depth (ft)	Drift ID (inches)	Collapse (psi)	Burst (psi)	Capacity (bbl/ft)
8-5/8", 23#, M-50	1207	-	-	•	-
5-½", 17#, K-55 (Top Section) 5½', 15.5 #, K-55 (Bottom Section)	0 to 5854 5854 to 6690	4.653 4.825	4910 4040	5320 4810	0.0232 0.0238

Tubing Specifications:

Pipe	Depth	Drift ID	Collapse	Burst	Capacity
	(ft)	(in)	(psi)	(psi)	(bbl/ft)
2-3/8", 4.7#, J-55		1.901	8100	7700	0.00398

COMPLETION & WELL TESTING PHILOSOPHY:

In March 1998 the Lockhart A-27 No. 15 well was drilled and completed in lower and upper Drinkard intervals from 6350' to 6593' OA. The well was placed on pump producing 200 MCFGPD and 5 BOPD and 5 BWPD. Currently the well is producing 100 MCFGPD with 3 BOPD and 3 BWPD.

The intent of this procedure is to clean out any frac sand fill to PBTD then isolate the Drinkard zone via a RBP, perforate the Blinebry gas zone from 5514' to 5550', break down the perforations with acid and ball sealers and swab test.

- If the Blinebry zone produces in excess of 200 MCFGPD after the breakdown the well will be
 placed on production as a Blinebry producer without any additional stimulation until the downhole
 commingle permit is approved. Following approval the RBP will be pulled and the Blinebry will be
 commingled with the Drinkard.
- If it produces less than 200 MCFGPD the Blinebry zone will be sand fracture stimulated then
 placed back on production as a Blinebry producer until the downhole commingle permit is
 approved. Following approval the RBP will be pulled and the Blinebry will be commingled with
 the Drinkard.

The Lockhart A-27 No. 16 well approximately 1300' northeast of the proposed No. 15 recompletion was recompleted to the same Blinebry gas zone in May 1998. The No. 16 well is currently producing 190 MCFGPD with 0 BOPD and 1 –2 BWPD. It is expected that the reservoir pressure in the No. 15 well will be similar to the No. 16 well estimated at 100 to 500 PSIG.

ESTIMATED RESERVOIR INFORMATION:

Drinkard Wellbore Fluids:	Gas	(H2S Content at the battery 2000 ppm)
---------------------------	-----	---------------------------------------

Existing Drinkard Pressure:

•			
Existing Drinkard Perfs:	<u>Interval</u>	NEP (ft)	<u>Shots</u>
Upper Drinkard	6350'- 62'	12'	13
	6390'- 95'	5'	6
Lower Drinkard	6451'- 58'	7'	29
	6472'- 76'	4'	17
	6482'- 86'	4'	17
	6497'	1'	5
	6503'	1'	5
	6524'	1'	5
	6530'- 34'	4'	21
	6539'- 42'	3'	13
	6548'- 53'	5'	21
	6560'- 64'	4'	17
	6569'- 73'	4'	17
	6588'- 93'	<u>5'</u>	<u>21</u>
	Total	60'	207

Blinebry Wellbore Fluids:

Gas (H2S Content 100 ppm—wellhead test from No. 16)

Blinebry Reservoir Pressure: Original reservoir pressure is expected to be depleted from the normal pore pressure of 2,400 PSIG. The No. 16 well was recompleted to the same gas zone in April 1998. The last recorded 24 hr shut-in casing

pressure on the No. 16 well was 100 PSIG.

Proposed Blinebry Perfs:

<u>Interval</u>

NEP (ft)

Shots (@ 4SPF)

Blinebry

5514' - 5550'

36'

145

Blinebry Pool Allowable:

--- BOPD and --- MCFD

Expected H₂O prod:

No water is expected from the Blinebry

Drinkard / Blinebry Commingled Artifical Lift Specs

(See attached prepull package for existing and proposed beam pump design)

Specs:

Lufkin C228 - 213 - 86

Source:

Currently in operation.

Electrical:

The unit currently has a 20 hp motor, no changes will be required.

Pump Off:

Yes

RECOMMENDED PROCEDURE AND NOTES

Notes:

- 1. All depths in this procedure are referenced from KB unless noted otherwise.
- 2. Please give service companies 48 hours advance notice prior to performing work on the well.
- 3. Hold prejob safety meetings prior to beginning any new work. For all safety considerations follow guidelines as provided in the attached Pre-Job Safety Assessment sheet.

Kill Fluids:

• 9.0 ppg brine with Champion CI

Frac Fluids/Breakdown Fluids:

As per Schlumberger Services specs/procedure

Blinebry Recompletion Procedure

- 1. Prepare location for work. Test deadmen anchors.
- 2. Install modified test tank and flow manifold at the wellsite. Install temporary test separator with gas meter at the battery.
- 3. RU workover rig. RU pump truck to the casing. Pump 50 bbls of treated brine water to kill the Drinkard. Unseat the pump and TOOH with 6275' (251 rods) of ¾" Class D rods. Visually inspect rods for wear, pitting, paraffin and/or scale. Lay down any pitted or worn rods. Send the pump for teardown and rebuild. See prepull for revised pump design.
- 4. Use the dynamic head kill procedure to insure the well remains dead while installing or removing the BOP stack and during pulling operations. This well qualifies as a Category 2 well if total gas production exceeds 100 MCFGPD. ND the production tree and install the 5,000 PSIG WP BOP stack and test to 5,000 PSIG according to SOP's.
- 5. RU wellhead scanning truck. Release the TAC at 6278' and drop down approximately 250' to tag PBTD at 6640'. TOOH with 6391' (202 joints) of 2 3/8" J-55 tubing. Lay down any green or red band tubing. Review results of the tubing scan with Champion and engineering staff to determine if CI treatment needs to be changed.
- 6. If sand fill is encountered PU bailer and attempt to clean out fill to PBTD at 6640'. TOOH with tubing and bailer.
- 7. PU 5 ½" RBP and TIH to set at approximately 5700' (150' below the proposed bottom perforation in the Blinebry zone). PU a couple of feet, load the hole and pressure test the RBP to 2,000 PSIG. Release the pressure and PU 2 joints and spot 2 sks of sand on the RBP. PU to place the end of the tubing at 5550' and spot 300 gals of 15% HCL across proposed Blinebry perforations. TOOH with tubing.
- 8. RU Schlumberger electric line company. PU 4" HEGS casing guns using secure detonators loaded 4 JSPF, 120 degree phasing (hole diameter: 0.4", penetration: 20") with correlation CCL and full lubricator with packoff. Load and pressure test lubricator to 2,000 PSIG. RIH to perforate the Blinebry gas zone (from the top down) through the following interval: Correlation will be made using the Wedge cased hole GR/CCL dated 03/98.

Safety Note: All 2-way radios and phones are to be turned off while perforating for a distance of 500'. Warning signs are to be posted on all incoming roads.

	<u>Interval</u>	NEP (ft)	Shots (@ 4SPF)
Blinebry	5514' – 5550'	36'	145

RD Schlumberger wireline services.

9. TIH with 5 ½" MX-1 treating packer, or equilivant to 5400' (approximately 100' above the top perforation) and reverse out any excess acid in the casing (approximately 30 bbls, tubing volume plus 8 bbls). Set the packer and load the backside.

- 10. RU Schlumberger pumping services to breakdown the Blinebry as per the attached Schlumberger Acid Breakdown Recommendation. Lay treating lines with nitrogen activated relief valve and remote actuated ball injector. Pressure test the packer and backside to 2,000 PSIG then relieve the backside pressure and leave the casing valve open during the remainder of the treatment. Verify preset relief valve setting to relieve pressure at 4,500 PSIG.
 - Load the tubing and breakdown the perforations with 20 bbls of 2% KCL water.
 - After breakdown, pump 2,500 gals of 15% NEFE at 5 BPM dropping 200, 1.3 sg, 7/8 RCN ball sealers throughout the treatment.
 - At ballout, surge the balls off the perforations and over displace acid through the perforations by 2 bbls.
 - Monitor pressure bleed off at 5, 10 and 15 minutes.
 - Bleed off surface pressure and disconnect Schlumberger from the tubing and then RD and release Schlumberger services.

TREATING LINE TEST PRESSURE: A minimum 1000 psig over MATP	6000	PSIG
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system. Burst Pressure of 5 ½ Casing.	4810	PSIG
NITROGEN POP OFF SET PRESSURE: Relief pressure set at the lesser of :		
300 psig less than 90% MAWP or, (Exception: 4500 PSIG equals 90% of MAWP)	4500	PSIG
300 psig over MATP		
MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	4300	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE: Based on frac design	4000	PSIG

- 11. Install swabbing lubricator, swab test the Blinebry to the modified test tank. If the well unloads and will flow at a continous rate connect the well to the existing flowline and flow test the well through the temporary test separator at the battery to measure flow rates. Continue to test until rates are stable. Report swab test to Midland and determine productivity.
 - If the Blinebry zone produces in excess of 200 MCFGPD after the breakdown the well will be placed on production as a Blinebry producer without any additional stimulation. Once a stable rate has been determined and the downhole commingle permit has been approved the RBP will be retrieved and the well will be converted to a commingled Drinkard / Blinebry producer. Skip the following frac treatment and continue on with Step 16 of the procedure to place the well on production in the Blinebry.
 - If it produces less than 200 MCFGPD the Blinebry zone will be sand fracture stimulated then placed back on production as a Blinebry producer. Once a stable rate has been determined and the downhole commingle permit has been approved the RBP will be retrieved and the well will be converted to a commingled Drinkard / Blinebry producer. Continue on with Step 12 to sand frac the Blinebry and place on production.

<u>Blinebry Frac Prodcedure</u> (Assuming the Blinebry Test to be less than 200 MCFGPD)

- 12. Load the tubing with 25 bbls of treated brine water. Relase the M1-X treating packer and TOOH with tubing and packer.
- 13. ND the BOP stack and install 5,000 WP rental treating tree as shown in the attachment. Pressure test the tree to 5,000 PSIG. Hydraulically pressure test the hanger seal to 5,000 PSIG.
- 14. RU Schlumberger treating services. Install treating line with nitrogen actuated relief valve. Test the treating line to 6000 PSIG and set the relief valve at 4200 PSIG. Pump the acid frac as per the attached BJ Services recommendation. Pump the treatment as follows at design rate of 35 BPM not to exceed 0000 PSIG.

TREATING LINE TEST PRESSURE: A minimum 1000 psig over MATP	6000	PSIG
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system. 90% of burst pressure for 5 1/2" tubing head.	4810	PSIG
NITROGEN POP OFF SET PRESSURE: Relief pressure set at the lesser of :		
300 psig less than 90% MAWP or, (Exception: 4500 PSIG equals 90% of MAWP)	4500	PSIG
300 psig over MATP		
MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	4300	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE: Based on frac design	4000	PSIG

Blinebry Sand Frac:

- a. Pump 8,000 gals of YF140ST Pad at 35 BPM
- b. Pump 12,000 gals of YF140ST Pad containing 0.5 ppg of 100 mesh at 35 BPM
- c. Pump 8,000 gals of YF140ST Pad at 35 BPM
- d. Pump 3,000 gals of YF140ST containing 1.0 ppg of 20/40 S020 at 35 BPM
- e. Pump 4,000 gals of YF140ST containing 2.0 ppg of 20/40 S020 at 35 BPM
- f. Pump 4,000 gals of YF140ST containing 3.0 ppg of 20/40 S020 at 35 BPM
- g. Pump 4,000 gals of YF140ST containing 4.0 ppg of 20/40 S020 at 35 BPM
- h. Pump 5,000 gals of YF140ST containing 5.0 ppg of 20/40 S020 at 35 BPM
- i. Pump 6,000 gals of YF140ST containing 6.0 ppg of 20/40 S020 + 1.5% PN at 35 BPM
- j. Flush with 5428 gals of WF110 (2 bbls short of top perforation)
- k. Shut down and record 5, 10 and 15 minute pressures.
- I. Disconnect Schlumberger Pumping Services and RD
- m. Allow a minimum of 2 hours for the gel to break back then flow well back to the pit or tank until it dies.

- 15. Release the treating packer and TOOH. PU 4 ¾" bit and TIH to clean out sand bridges to the top of the RBP. TOOH with bit.
- PU "poor boy" gas anchor (see design from prepull), 2 3/8" seating nipple with bottom joint being poly lined and TAC spaced out to set the seating nipple at 5580' (30' below the bottom Blinebry perforation) and the TAC to be set at 5450' or 36' above the top Blinebry perforation.
- 17. ND the BOP stack and install the B-1 adapter flange. See attached pumping wellhead "Type 3" drawing (beam pumping configuration with a choke on the casing). Pump or pour 5 gals of corrosion inhibitor down the tubing to coat the rods and pump as they are run in the hole. PU 1.25" RHBC pump on 6/6 Class "D" rod design and RIH to hang on beam pump. (See attached Drinkard / Blinebry Beam Pump Design. RD and move off.
- 18. Notify Champion to place this well on truck treating schedule adjusted for new production volumes.
- 19. Report daily well tests and fluid levels to the Midland office for 30 days or until it pumps off and the production rate has stabilized. After the Blinebry production has stabilized and the downhole commingle permit has been approve continue with the procedure to retrieve the RBP and place on production as a commingled Drinkard / Blinebry producer.

Drinkard & Blinebry Downhole Commingle Procedure (Pending Regulatory Approval)

- 20. RU workover rig. RU pump truck to the casing. Pump 50 bbls of treated brine water to kill the Blinebry Unseat the pump and TOOH with approximately 5580' of ¾" Class D rods. Visually inspect rods for wear, pitting, paraffin and/or scale. Lay down any pitted or worn rods. Send the pump for teardown and rebuild.
- 21. ND the production tree and install the 5,000 PSIG WP BOP stack and test to 5,000 PSIG according to SOP's.
- 22. Release the TAC at 5450' and TOOH with 5580' of 2 3/8" J-55 tubing.
- 23. PU retrieving head for the 5 ½" RBP. TIH and reverse out remaining sand and ball sealers on top of RBP. Latch on to the RBP, release and TOOH.
- 24. PU "poor boy" gas anchor (see design from prepull), 2 3/8" seating nipple with bottom joint being poly lined and TAC spaced out to set the seating nipple at 6430' and the TAC to be set at 5450'.
- 25. ND the BOP stack and install the B-1 adapter flange. See attached pumping wellhead "Type 3" drawing (beam pumping configuration with a choke on the casing). Pump or pour 5 gals of corrosion inhibitor down the tubing to coat the rods and pump as they are run in the hole. PU rebuilt 1.25" RHBC pump on 6/6 Class "D" rod design and RIH to hang on beam pump. (See attached Drinkard / Blinebry Beam Pump Design. RD and move off.
- 26. Notify Champion to place this well on truck treating schedule adjusted for new production volumes.
- 27. Report daily well tests and fluid levels to the Midland office for 30 days or until it pumps off.