Form 3160-5 (August 2007)		S NTERIOR	REC	ene	FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010				
SUNDRY NOTICES AND REPORTS ON WELLS						2008 6. If Indian, Allottee or Tribe Name			
	abandoned we	ll. Use form 3160-3 (AP	D) for such	proposals.'' '	1 6 2008	0. If indian, Anotice C	a mbe ivanie		
	SUBMIT IN TRI	PLICATE - Other instru	ctions on re		50	7 If Unit or CA/Agre	ement, Name an	d/or No	
1. Type of Well				····		8 Well Name and No.		<u> </u>	
	Gas Well Oth			~ _		FEDERAL 4-24	-		
2. Name of Oper CHESAPE	ator AKE OPERATING,	INC. Contact:	LINDA GOO @chk.com	JU 147	179 -	9. API Well No. 30-025-34104	514		
3a. Address	8496			No. (include area coo	ie)	10. Field and Pool, or	Exploratory	. <u></u>	
P.O. BOX 18496 OKLAHOMA CITY, OK 73154-0496 Ph: 405.76				01.4210		Wildcat San Andres			
		', R., M., or Survey Descriptio	n)			11. County or Parish,			
Sec 24 T20	S R38E SESE 467					LEA CO. COUN			
		UnitP							
	12. CHECK APPI	ROPRIATE BOX(ES) T	O INDICAT	E NATURE OF	NOTICE,	REPORT, OR OTHE	R DATA		
TYPE OF S	SUBMISSION			TYPE	OF ACTION				
Nation of	Intent	☐ Acidize		epen	Produ	ction (Start/Resume)	U Water Sl	hut-Off	
□ ^{Notice} of		□ Alter Casing		acture Treat	□ Recla	mation	□ Well Int	egrity	
凶 Subseque	nt Report	Casing Repair	\Box Ne	ew Construction		nplete	□ ^{Other}		
Final Aba	ndonment Notice	□ Change Plans □ Convert to Injection		ug and Abandon ug Back		orarily Abandon · Disposal			
RECOMPLI 2/27/2008 3/01/2008	AKE, RESPECTFU ETION WORK HA PERFORATE SA ACID & SAND F	ILLY, REQUEST PERMIS S BEEN DONE. AN ANDRES @ 4617' - 4 RAC SAN ANDRES PER ,000# 20/40 BROWN SD	744' W/3 JS FS 4617' - 4	PF, 174 HOLES	5. AL 15% NE		,		
		port for S	an An	dies			<u></u>		
14. 1 nereby certi	fy that the foregoing is	Electronic Submission #	#59919 verifie AKE OPERA	d by the BLM W	ell Information	on System			
Name (Printed/Typed) LINDA GOOD			Title REGULATORY COMPLIANCE SPECIALI						
Signature (Electronic Submission)				Date 04/28/2004 CCEPTED FOR RECORD					
······································		THIS SPACE FO	OR FEDER	AL OR STATE	OFFICE	JSE			
Approved By	his let	lean		Title		MAY 3 2008	Date		
certify that the appl	oval, if any, are attache licant holds legal or eque the applicant to condu	d. Approval of this notice does itable title to those rights in the act operations thereon.	s not warrant of e subject lease	r Office		J. Ames			
Title 18 U.S.C. Sec States any false, f	tion 1001 and Title 43 ictitious or fraudulent	U.S.C. Section 1212, make it a statements or representations as	a crime for any s to any matter	person knowingly a within its jurisdiction	nd willfully to			Jnited	
2	** OPERAT	OR-SUBMITTED ** O CDry 04			** OPERA	TOR-SUBMITTED	**		

Additional data for EC transaction #59919 that would not fit on the form

32. Additional remarks, continued

3/02/2008 PERFORATE UPPER SAN ANDRES FROM 4326' - 4565' W/3 SPF, 144 HOLES.

3/04/2008 ACID & SAND FRAC UPPER SAN ANDRES FROM 4326' - 4565' W/2000 GAL 15% NEFE HCL - FRAC W/30,870 GAL BFRAC 25 X-LINK GEL & 50,000# 20/40 BROWN SAND - FLUSHED W/1638 GAL LINEAR GEL.

4/15/2008 SET CBP @ 4498'.

RETURN WELL TO PRODUCTION. (PRODUCING FROM 4326' - 4471')

(CHK PN 890129)



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Federal #4-24 Set CBP Lea County, New Mexico

Location: Section 24, 20S-38E, 467 FSL & 660 FEL

Production Casing: 7" 23# N-80 LT&C 0-7,925', ID=6.366", Drift=6.241", Burst=3830#

- PBTD/TD: 6,530'/7,950'
- Current Perfs: Blinebry 6,045'- 6,443' San Andres 4,617' - 4744'

Procedure

Hold Tailgate Safety meeting prior to beginning work each morning and as required for specific operations.

- 1. Prep location. Check anchors and clean area for workover.
- 2. MIRU workover rig. POH w/pump, rods, and tubing. ND WH. NU BOP.
- 3. RU wireline unit. RIH w/ gauge ring and junk basket to 4,500'. RIH and set CBP @ 4, 490'. POH.
- 4. TIH with production tubing and SN. Set seat nipple @ 4,440' or as close to the CBP @ 4,490' as possible. Set TAC @ 4,275'.
- 5. ND BOP. NU WH. TIH with pump and rods. Fill tubing and space out pump accordingly. Verify pump action. Place well on test.

7/8" rods = 61 rods = 1,525' 3/4" rods = 88 rods = 2,200' 7/8" rods = 30 rods = 750'

6. RDMO workover rig. Clean location.



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Federal #4-24 San Andres Re-Completion Lea County, New Mexico

Location: Section 24, 20S-38E, 467 FSL & 660 FEL

Production Casing: 7" 23# N-80 LT&C 0-7,925', ID=6.366", Drift=6.241", Burst=3830#

- PBTD/TD: 6,530'/7,950'
- Current Perfs: Blinebry 6,045'-6,443'

Procedure

Hold Tailgate Safety meeting prior to beginning work each morning and as required for specific operations.

- 1. Prep location. Check anchors and clean area for workover.
- 2. MIRU workover rig. POH w/pump, rods, and tubing. ND WH. NU BOP.
- 3. RU wireline unit. RIH w/ gauge ring and junk basket to CIBP @ 6,530'. RIH and set CBP @ 5,945'. POH.
- 4. RIH and perforate San Andres as follows:

San Andres	4,736' 4,744'	8'	3 SPF	24 holes
	4,726' - 4,732'	6'	3 SPF	18 holes
San Andres	4,695' – 4,711'	16'	3 SPF	48 holes
San Andres	4,688' – 4,692'	4'	3 SPF	12 holes
San Andres	4,681' - 4,686'	5'	3 SPF	15 holes
San Andres	4,665' - 4,670'	5'	3 SPF	15 holes
San Andres	4,635' - 4,636'	1	3 SPF	3 holes
San Andres	4,624' - 4,632'	8'	3 SPF	24 holes
San Andres	4,617' 4,622'	5'	3 SPF	15 holes
Totals		58'		174 holes

Correlate to attached log from 2/20/1998. RDMO wireline.

- 5. TIH w/ 3-1/2" workstring and treating packer to 6,400' and set.
- RU frac service and frac San Andres perfs 4,736' 4,622' (174 holes) with 60,000# 20/40 sand. Frac design/pump schedule will be provided separately once finalized. Record ISIP-5-10-15 min pressures.
- 7. Unset packer and TOH with 3-1/2" work string and packer. RU wireline. RIH and set CBP at 4,590'. Tag plug to verify. POH.

- 1 -

8. RIH and perforate San Andres as follows:

· · · · ·

San Andres San Andres San Andres San Andres San Andres	4,558' - 4,565' 4,542' - 4,549' 4,524' - 4,533' 4,466' - 4,471' 4,451' - 4,460' 4,444' - 4,447' 4,428' - 4,432'	7' 7' 9' 5' 9' 3' 4	3 SPF 3 SPF 3 SPF 3 SPF 3 SPF 3 SPF 3 SPF	21 holes 21 holes 27 holes 15 holes 27 holes 9 holes 12 holes
San Andres	4,428' – 4,432'	4	3 SPF	12 holes
San Andres	4,326' - 4,330'	4'	<u> 3 SPF</u>	12 holes
Totals		239'		144 holes

Correlate to attached log from 2/20/1998. RDMO wireline.

- 9. TIH w/ 3-1/2" work string and treating packer and set at 4,615'.
- 10. RU frac service and frac San Andres perfs 4,326' 4,565' (144 holes) with 50,000# 20/40 sand. Frac design/pump schedule will be provided separately once finalized. Record ISIP-5-10-15 min pressures.
- 11. Unset packer and TOH with work string and packer.
- 12. PU bit and work string and TIH to DO plugs set at 5,945' and 4,590' and clean out to CIBP (6,530'). Circulate hole clean. TOH.
- 13. TIH with production tubing and SN. Set seat nipple at 6,485' (below perfs).
- 14. ND BOP. NU WH. TIH with pump and rods. Fill tubing and space out pump accordingly. Verify pump action. Place well on test. *Note: Rod design to follow this procedure.*
- 15. RDMO workover rig. Clean location.