UN, FED STATES

SUBMIT IN DUPL LE. Form approved.

Budget Bureau No. 1004-013 Expires August 31, 1985

DEPARTMENT OF THE INTERIOR SCRUCTURE STRUCTURE BUREAU OF LAND MANAGEMENT

NM-77046

TYPE OF COMPLETION: NEW WELL X OVER DEED DRY OTHER NAME OF OPERATOR Santa Fe Energy Operating Partners, L.P. ADDRESS OF OPERATOR 550 W. Texas, Suite 1330, Midland, Texas 79701 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface (0), 660' FSL and 2310' FEL, Sec. 8, T-23S, R-31E At top prod. Interval reported below At total depth 14. PERMIT NO. API # DATE INSUED 19. COUNTY OR AREA 10. FIELD AND POOL. OR WILDCAT LOS Medanos (Delaware) 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 12. COUNTY OR AREA NM 13. STATE PARISH 14. PERMIT NO. API # DATE INSUED 16. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF. RKB. RT. GR. ETC.)* 19. ELEV. CASINGHEAD 10-18-93 10-30-93 11-13-93 3305' GR.	WELL COMP	PLETION	OR	RECOMF	PLETIO	N REI	PORT A	NE	COG	⊁ લક્ક " ——ો	. IF IND			
STATE OF COMPLETION: See Superson of Conference South State	a. TYPE OF WELL:					- \ti					. UNIT A	REEME	INT NA	MD
North Pure Gold 8 Federal State Policy State State Colored State	b. TYPE OF COMPLE					/% 1.3	(T : F : 4							
Santa Fe Energy Operating Partners, L.P. South Fe Energy Operating Partners, L.P. South From the Cold of Federal Cold of Fed	NEW X OV					oh	ber							
Sancta for Emergy Operating Partitlets, J.F. 1005085 O. Texas, Suite 1330, Midlad, Texas 79701 101 Field Sorrow, Operating Solve S	NAME OF OPERATOR									, -			Go1	d 8 Federa
10 Texas Suite 1330 Midland Texas 79701 10 10 10 10 10 10 10	Santa Fe E	nergy Op	erat	ing Parti	ners, I	L.P					WELL !	٠٥.		
SON. Texas, Suite 1330, Midland, Texas 70 State requirements! At uncertainty with Affert footing design and a secondance with any State requirements! At top 100, 660° FSL and 2310° FEL, Sec. 8, T-23S, R-31E At top 100 internal reported below At the 100 internal reported below to 1	ADDRESS OF OPERAT	OR								-		- 5		
At surface (0), 660' FSL and 2310' FEL, Sec. 8, T-23S, R-31E At top prod. Interval reported below At top prod. Interval reported below At total depth At t	550 W. Tex	as, Suit	e 13	30, Midl.	and, Te	exas	79701		<u> </u>					
At top prod. Interval reported below At top prod. Interval reported below At top prod. Interval reported below 14. Permit No. APT 8	I, LOCATION OF WELL	Kcport tocati	on ciea	riy ana in acc	organice at	in any o	, rate / cq.us.							·
14. PERMIT NO. APT # DATE HALED 12. COUNTY ON 13. STATE 30-015-27598 3305' GR 30-015-27598 3305' GR 30-015-27598 3305' GR 30-015-27598 3305' GR 30-015-27598 30-	At surface (0)	, 660' F	SL ar	nd 2310'	FEL, S	Sec. 8	3, T-23	S, F	R-31E				1., OK I	SLOCK AND BURNET
14. PERMIT NO. API OATE IDNA ED 12. COUNTY ON 13. STATE 2. COUNTY ON 2. COUN	At top prod. interv	al reported be	low								_	_		na n 015
1. DATE SPUDDED 16. DATE TD. NACKHED 17. DATE COMPL. (Reddy to prod.) 18. ELEXATIONS 10P. NRB. NT. GR. ETC., 19. ELEY CASINGHEAD 10-18-93 10-30-93 11-13-93 3305 56 3305	At total depth												T-2;	
10-10-10-10-10-10-10-10-10-10-10-10-10-1								DATE	ISSUED				Ì	
10-18-93 10-30-93 11-13-93 3305 GR							598							
8070' 8023' N/A SURPELLAND SECRETOR PRODUCTION STEED DEFTH SET (MD) SACES CEMENT'S SCREEN (MD) STEET DEFTH SET (MD) SACES CEMENT'S SCREEN (MD) SACES CEMENT'S SCREEN (MD) SACES CEMENT'S SCREEN (MD) SACES CEMENT SACES (MD) SACES CEMENT'S SCREEN (MD) SACES CEMENT SACES (MD) SACES (MD) SACES CEMENT SACES (MD) SACES CEMEN	5. DATE SPUDDED	6. DATE T.D.	REACHE			eady to p	prod.1 18			RKB. RT	, GR, ETC.)• 1	9. ELD	V. CASINGHEAD
8. TOTAL DEFINE AND ATT	10-18-93	10-30-	93	11.	-13-93			3:						0.018 80018
8070' 8023' N/A AII 974 4. PRODUCTION INTERVALISI. OF THIS CONFLETION—TOP. BOTTOM, NAME (MD AND TYDI) 7. 7860'-7900' (Delaware) 8. TYPE FLECTRIC AND OTHER LOGS RUN DLL/MLL; CNL/CPD 8. CASING RECORD (Report all strings set in world) 8. CASING SIZE **CASING SIZE*** **ANDORY FOLICO **None***	0. TOTAL DEPTH, MD & TVD 21. PLUG. BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., 23. INTERVALS DRILLED B											TOOLS	1	
7860'-7900' (Delaware) 27. WAS WELL CORED No No No No No No No N		,			ļ.		N/A		<u> </u>	<u> </u>	All		25	·
27. WAS WELL CORRECTED 28. 28. 29.	4. PRODUCING INTERVA	L(S). OF THIS	COMP	LETION-TOP.	BOTTOM, N	AME (MD	AND TVDI	•						
27. WAS WELL CORED DLL/MLL; CNL/CPD No 27. WAS WELL CORED No No No No No No No N	7860'-79	00' (Del	awar	e)										·
DLL/MLL; CNL/CPD No S. CASING RECORD (Report all strings set in worll)												27	7. WAS	WELL CORED
CASING RECORD Report oil strings set in well) AMOUNT PULLED														No
CABINO SIZE WEIGHT, LE/FT, DEPTH SET (MD) 100.K SIZE CENEXTING RECORD 13-3/8" 48# 590' 17-1/2" 350 sx C1 "C" (circ'd) None		GNL/ GI D		CASIN	G RECOR	D (Rena	rt all string	s set	in well)					
13-3/8" 48# 590' 17-1/2" 350 sx Cl "C" (circ'd) None		WEIGHT, LB	./FT.					T	CEM	ENTING F	RECORD			AMOUNT PULLED
8-5/8" 32# 4045				59	0'	17.	-1/2"	35	0 sx Cl	"C"	(circ	'd)	-	None
Solution		I					_	17	00 sx L	ite +	500	sx N	eat	None
SIZE TOP (MD) BOTTON (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) N/A 31. PERFORATION RECORD (Interval, sue and number) 7860'-7900' (1 SPF) 40 holes; 4" csg gun 7860'-7900' (1 SPF) 40 holes; 4" csg gun 7860'-7900' 1584 gal 7½% HCl w/60 Bs. Frac w/ 61,866 gal gel + 120,125# 16/30 Ottawa sand & 15,000# resin coated sand 33.* PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas ifft, pumping—size and type of pump) AANOUNT AND KIND OF MATERIAL USED 11-13-93 PRODUCTION PRODUCTION METHOD (Flowing, gas ifft, pumping—size and type of pump) Producing DATE OF THEST 11-16-93 24 18/64" 18/64" TEST PERIOD 249 231 123 39° 34. DISPOSITION OF GAS (Sold, used for fuel, peaked, cic.) Vented during test — connected to Llano, Inc. on 11-16-93 35. LIST OF ATTACHMENTS C-104, Deviation Survey, Logs 36. I hereby, certify that the foregoing and extached information is complete and closeft as Satermined from all available records N/A MATER—REC. DATE NOV. 17, 1993								49	5 sx H.	190	sx Li	te.	&	None
SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)		13.3 0 1		-				_;						
SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) 2-7/8" 7812' N/A 31. PERFORATION RECORD (Interval, size and number) 7860'-7900' (1 SPF) 40 holes; 4" csg gun 32. ACID. SHOT. FRACTURE. CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 1584 gal 7½ HCl w/60 BS. Frac w/ 61,866 gal gel + 120,125# 16/30 Ottawa sand & 15,000# resin coated sand 33.* PRODUCTION 11-13-93 Flowing DATE FIRST PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) The office of the size of the	29	1	LINI	ER RECORD	<u> </u>						UBING	RECOR	₹D	
N/A N/A		TOP (MD)	вот	TOM (MD)	SACKS CE	MENT*	SCREEN (MD)	SIZE		DEPTH SE	T (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) 7860'-7900' (1 SPF) 40 holes; 4" csg gun 7860'-7900' 1584 gal 7½% HCl w/60 BS. Frac w/ 61,866 gal gel + 120,125# 16/30 Ottawa sand & 15,000# resin coated sand 33.* PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) ANOUNT AND KIND OF MATERIAL USED 10/20 Producing or shut-in) Producing Produci			-			- -			2-7/8	11	781	21		N/A
7860'-7900' (1 SPF) 40 holes; 4" csg gun DEPTH INTERVAL (MD)	- N/21		-!											
7860'-7900' The first production of the first production was rested to the first production of the fi	31. PERFORATION RECO	DED (Interval,	size ar	id number)			32.	A	CID, SHOT.					
7860'-7900' 1584 gal 72% HCL W/80 BS. Frac w/ 61,866 gal gel + 120,125# 16/30 Ottawa sand & 15,000# resin coated sand 33.* PRODUCTION Producing or shuf-in) Producing Producing Producing Producing Producing Producing 249 231 123 928 PLOW. TUBING PRESS. 450 1020 PRESSURE CALCULATED OIL—BBL. GAS—MCF. WATER—BBL. JOIL GRAVITT-API (CORR.) 450 1020 24-HOUR RATE 249 231 123 39° 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test — connected to Llano, Inc. on 11-16-93 35. LIST OF ATTACHMENTS C-104, Deviation Survey, Logs 36. I bereby certify that the foregoing and attached information is complete and cotypet as featurement from all available records NOV. 17, 1993	7860'-790	0' (1 SPI	?) 40) holes;	4" csg	gun	DEPTH I	NTERV	AL (MD)					
33.* PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 11-13-93 Producing							7860	' -79	900'					
PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shuf-in) Producing 11-13-93 Flowing Producing Producing DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD 249 231 123 928 FLOW. TURING PRESS. CASING PRESSCRE CALCULATED 249 231 123 39° 1020 CASING PRESSCRE CALCULATED 249 231 123 39° 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test - connected to Llano, Inc. on 11-16-93 35. LIST OF ATTACHMENTS C-104, Deviation Survey, Logs 36. I hereby certify that the foregoing and estached information is complete and correct as fatarmined from all available records 15,000# resin coated sand WELL STATUS (Producing or shuf-in) Producing or shuf-in) Producing Producing Producing or shuf-in) Producing Producing Producing or shuf-in) Producing														
PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Producing Produ										1				
DATE FIRST PRODUCTION 11-13-93 Flowing Producing 11-16-93 24 18/64" Producing Producing Producing 249 231 123 928 PLOW. TUBING PRESS. CASING PRESSURE 24-HOUR RATE 249 231 123 39° 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test - connected to Llano, Inc. on 11-16-93 TEST WITNESSED BY C-104, Deviation Survey, Logs 36. I bereby certify that the foregoing and extached information is complete and correct as determined from all available records Nov. 17, 1993										15,00	JU# re	sin	coat	cea sand
PRODUCTION METHOD (Flowing, gut it), pumping—State of the state of the	33.*								tune of see			WELL !	STATUS	(Producing or
DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD 249 231 123 928 FLOW. TURING PRESS. CASING PRESSURE CALCULATED 249 231 123 39° 1020 249 231 123 39° 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test - connected to Llano, Inc. on 11-16-93 35. LIST OF ATTACHMENTS C-104, Deviation Survey, Logs 36. I hereby certify that the foregoing and extached information is complete and correct as determined from all available records		l l			Flowing, go	ia lift, pi	umping—si	ze and	s sype of pul	ω p ,	İ		t-in)	_
DATE OF TEST 11-16-93 24 18/64" 18/64" 1020 249 231 123 928 FLOW. TUBING PRESS. 450 1020 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test - connected to Llano, Inc. on 11-16-93 35. LIST OF ATTACHMENTS C-104, Deviation Survey, Logs 36. I berefly certify that the foregoing and extached information is complete and correct as determined from all available records	11-13-93								0.0	<u></u>	WATER	-BRI		
TIDENCE TUBING PRESS. CASING PRESSURE CALCULATED OIL—BBL. GAS—MCF. WATER—HBL. OIL GRAVITY-API (CORE.) 450 1020 24-HOUR RATE 249 231 123 39° 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test — connected to Llano, Inc. on 11-16-93 35. LIST OF ATTACHMENTS C-104, Deviation Survey, Logs 36. I hereby certify that the foregoing and extached information is complete and correct as determined from all available records		i	ED				1		1		1	123		
450 1020 24-HOUR RATE 249 231 123 39° 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test - connected to Llano, Inc. on 11-16-93 35. LIST OF ATTACHMENTS C-104, Deviation Survey, Logs 36. I hereby certify that the foregoing and extached information is complete and correct as determined from all available records		l	24 HOUR BATE		881	GAS	— м с	-MCF. WAT						
Vented during test - connected to Llano, Inc. on 11-16-93 35. LIST OF ATTACHMENTS C-104, Deviation Survey, Logs 36. I hereby certify that the foregoing and extached information is complete and correct as determined from all available records ALALIA Contract Clerk DATE Nov. 17, 1993	450	1020		24-HOUR RAT	24	49		23	1					
35. LIST OF ATTACHMENTS C-104, Deviation Survey, Logs 36. I berehy certify that the foregoing and extached information is complete and correct as determined from all available records ALLA ALLA ALLA ALLA ALLA ALLA ALLA AL	34. DISPOSITION OF G	AB (Sold, used	for fue	l, vented, etc.)			11	16 02		TEST	W ITNES	SED B	1
C-104, Deviation Survey, Logs 36. I hereby certify that the foregoing and extached information is complete and correct as determined from all available records			- c	onnected ———	to Lla	ano,	Inc. on	1 11	-16-93					
36. I hereby certify that the foregoing and extached information is complete and coeper as determined from all available records	0.10/	D	n C	rway ta	a e				_					
JI WAA I VICE I (VO) WARE Sr. Production Clerk DATE NOV. 17: 122.	36 I hereby certify	that the fore	going a	and acttached	nformation	n is com	plete and c	desect	es getermi	ned from	all avai	lable r	ecords	
SIGNED SIGNED ST. Production Clerk DATE NOV. 17: 122		1111	N_{I}	11.11	'. √		. 4	ر 'ر	71111	n wie			- No	v. 17. 199
	SIGNED	MA	110	Lill	226//4	TLE _	sr. Pro	auc	LION CL	ETK		DATE	<u> </u>	

	FORMATION		37. SUMMARY OF PORC drill-stem, tests, increases:
	107	700	OUS ZONES: (S
	porton	TOTTON	how all important a terval tested, cus
No Cores or DST's taken		DESCRIPTION, CONTENTS, ETC.	SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):
Rustler Salado Base Salt Lamar Bell Canyon Ramsey Cherry Canyon Manzanita Marker Brushy Canyon Bone Spring	NAME		38. GEOL
385 690 3797 4030 4079 4946 5161 6285 7952	MEAS. DEPTH	T	GEOLOGIC MARKERS
	TRUE VERT, DEPTH	TOP	