FLUI	D SAMPL	E DATA		Date	12-31-77	Ticket Number	2532		Legal Location Sec Twp Rr		
Sampler Pressure		.P.S.I.G.		Kind	12 01 77	Halliburt					
Recovery: Cu. Ft.					OPEN HOLE	District	ARTE	SIA			2
cc. Oil									ġ.		CONE
cc. Wa				Tester	HANSEN	Witness	AKIN			Leose Nome	6 I - I
_ cc. Mu				Drilling		-				Z	FEDERAL
Tot. Lic	quid cc				W.E.K. #			NM S	<u>_</u>	3	Ę
Gravity			°F.		· · · · · · · · · · · · · · · · · · ·	& HOLE			-l.		A
Gas/Oil Ratio				Formation Teste		San And	res		-		
	RESIST		NIENI	Elevation	· · · · · · · · · · · · · · · · · · ·	4428'		Ft	- ı		
				Net Productive 1		12'		Ft	÷μ		
Recovery Water				All Depths Meas			ushing (10.)			
Recovery Mud				Total Depth		42051		Ft			1
Recovery Mud Fil	trote @			Main Hole/Casi		7 7/8"		<u> </u>	-1		1
Mud Pit Sample Mud Pit Sample F			ppm	Drill Collar Len	gth	538 ¹ I.D.	<u> </u>	25"	-	<pre></pre>	į
Mud Pit Somple P		۲	ppm	Drill Pipe Lengt	h	3542'I.D.	3.	340"	-	Well No.	\sim
Mud Maisht	10			Packer Depth(s)_		4109' -	4115	Ft		, ē	
Mud Weight	10	vis	40 sec	Depth Tester Va	lve	4095'		Et	4		1
TYPE Cushion	AMOUNT	54	Depth Back Pres. Valve	NONE	Surface MAN	IFULD Bot	tom	- 11			1
	<u>NONE</u>	rt.	Pres. valve	NONE	Choke CH(OKE Ch	oke .7	5"		5	•
ESTIMA									≥⊐	Test No.	
Recovered 220	0' Feet	of oil *	,		······································			§	Area	1 %	
Recovered An	- Feet		±1 afl a	شوره امريحا أمرس	unton						•
Recovered 40	reet	singr	itly off a	and mud cut	water		•·				
Basevand	F	-f							1_		
Recovered	Feet	10				a	······		È		
Recovered	E								WILDCAT		
Kecovered	Feet	or							Ϊ×		411
Recovered	Feet	.									5
Kecovered	reet				 						1.
Remarks	*	After by	accing _	company ma	n chose to	o pull til	1 we get			Tested Interva	
		AILEI DYL	assing -	company ma	in chose u		i we got	<u> </u>		Inte	4205
fluid	bocause th	ordo was no	way to c	count volum	n in tha	tubing Af	tor null	ina		5	5
riuiu	Decause in	ere was no	way co c			cubing. Al	cer puri	ing	_		
23 dou	hle stands	(1426 fee	t) the dr	rill pipe u	nloaded ti	he oil T	herefore	there		-	
23 000	Die Stands	(1420 100	ty the ai	in pipe u	intoduce ci				្តិ		
is n∩-	way to get	an accura	te estima	te of the	recovery.	SEE PRO	DUCTION	TEST	County		
13 110	naj to get								-		
DATA S	HEET FOR R	EMAINDER C	F THE REM	IARKS							
	Gouge No.	512	Gauge No.	113	Gauge No.	1	· · · · · · · · · · · · · · · · · · ·		-1		1
TEMPERATURE	Depth:	4097 Ft.	_	4201' Ft.	Depth:	Ft.	T	ME	문		
	24	Hour Clock		24 Hour Clock		Hour Clock	Tool	A.M	18		
Est. •F.	Blanked Off	NO	Blanked Off		Blanked Off		Opened C	115 P.M			
							Opened	A.M			S
Actual 102 °F.	Press	sures	Pre	ssures	Pres	sures	Bypass (745 p.m			S
	Field	Office	Field	Office	Field	Office	Reported	Computed		5	R
Initial Hydrostatic	2247	2207	2212	2267			Minutes	Minutes		- 5	S
I	119	83	26	141					- St	- Dwn	m
Flow Final	292	286	263	317		······		30	- 7	her/	2
Closed in	1281	1245	1235	1292			60	60	-	- Om	
Dr. Initial	358	379	329	374						ß	8
Flow Final	714	691	683	747			120	119	NEW	Owner/Company Name	SUNDANCE OIL COMPANY
Closed in	1281	1247	1222	1302	├ <u></u>		180	180		ame	A
Initial	1201		• • • • •	+	<u> </u>				MEXI	1	~
Flow Final											
Closed in			· · · ·	<u> </u>				l	40		
	0001			0001					-1		
Final Hydrostatic	2221	21/4	2186	7731		4			1		1 '
Final Hydrostatic	2221	2174	2186	2231					4		

FORM 181-R2-PRINTED IN U.S.A.

FORMATION TEST DATA

9

2 -

Casing pe	erfs		Bottom o	choke		_Surf. temp°F Ticket No253257
Gas gravi	ity		Oil gravi	ity	······	_GOR
				S		pm Res@°F
Date_ Time	a.m. p.m.	Choke Size	Surfoce Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0115						Opened tool with a good blow.
0120						5 minutes into initial flow- strong blo
0125			1#			10 minutes " " " 1# bubble hose
0130		3/8"	1/2			15 ¹¹ ¹¹ ¹¹
0135			12			20 " " "
0140			1/2			25 " " "
0145			12			30 " " " " " Closed tool.
0245			12			Tool reopened with gas to the surface.
0250			1			5 minutes into final flow.
0255			3		······	10 minutes.
0300			0			15 minutes.
0305			0			20_minutes.
0315			0			30 minutes.
0330			0			45 minutes.
0345			0			60 minutes.
0400			0			75 minutes.
0415			0			90 minutes
0430			0			105 minutes.
0445			0			Closed tool for the second closed in
0745						pressure. Bypassed tool.
						Pulled 23 stands -1426' - well unloaded
						drill pipe - dropped bar - put on Kelly
						and circulated
					····	

•

	ssure	PSIG Temp. Corr.								-				-		1																				Minutes		3 75C 8/74	
257	Third Closed In Pressure	$r_{\rm rog} \frac{\theta}{\theta + \theta}$																																				LITTLE'S 96673 75C B/74	
253257	C	Time Defl. .000"																																					
Ticket No.	rd eriod	PSIG Temp. Corr.																	24																				
24 hour	Third Flow Period	Time Defl. .000"																	hour																				
16710	sure	PSIG Temp. Corr.	691	1164	1211	1226	1232	1239	1240	1241	1243	1244	1245	1245	1247	1247	1247	1247	13736	747	1216	1263	1279	1285	1289	1290	1293	1294	1297	1298	1298	1300	1300	1301	1302			DATA	
	Second Closed In Pressure	$L_{og} \frac{t+\theta}{\theta}$																																		12			
Clock No.	Cic	Time Defl. .000"	.000	.0400	.0800	.1200	.1600	.2000	.2400	.2800	.3200	.3600	.4000	.4400	.4800	. 5200	.5600	. 6000	Clock No	000	0405	0801	.1214	.1619	.2023	.2428	. 2833	.3237	.3642	.4047	1344.	.4856	.5261	. 5665	.6070			PRESSURE	、))」
4097'	ond ^D eriod	ÞSIG Temp. Corr.	379	374*	443	513	576	636	691										-	374				630															_
-	Second Flow Period	Time Defl. .000"	.000	.0635	.1304	.1973	.2642	.3311	. 3980										4201	.000	.0640	.1314	. 1988	.2662	. 3336	.4010										20		SPECIAI	ショう
Depth	Ire	PSIG Temp. Corr.	286	552	856	1102	1177	1207	1224	1231	1239	1244	1245						Depth	317	577	891	1146	1224	1255	1268	1277	1285	1290	1292							MINUTES.		•
	First Closed In Pressure	$L_{og} \frac{t+\theta}{\theta}$																																		I 1			
512	Clo	Time Defl. .000"	.000	.0198	.0396	.0594	.0792	.0990	.1188	.1386	.1584	.1782	.1980						113		5020	0406	000	.0812	1015	.1218	.1421	.1624	.1827	.2030							INTERVAL		
	poi	PSIG Temp. Corr.	83	150	238	278	261	274	286		-									141	216	202	313	290	305	317										15	*	1 N U.S.A.	
Gauge No.	First Flow Period	Time Defl. .000"	.000	.0175	.0350	.0525	.0700	.0875	.1050										Gauge No.	000	0170	.0340	.0510	.0680	.0850	.1020										Reading Interval 5	REMARKS:	FORM 183-R1PRINTED IN U.S.A.	
Ŭ		L	0	-	2	e	4	5	9	7	80	6	10	11	12	13	14	15	Ŭ 	c	>	2	6	4	2	\$	2	80	0	01	=	12	13	14	15	Reac	REM		

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TICKET NO.

253257 -

	O, D.	l. D.	LENGTH	DEPTI
Drill Pipe or Tubing	6"	3.50"		
Keversing Sub		3.50		· · · · · · · · · · · · · · · · · · ·
Water Cushion Valve				
Water Cushion Valve Drill Pipe 42 XH	4 ¹ ₂ "	3.826"	3542	·
Drill Pipe 42 XH Drill Collars 42 XH	6"-6 ¹ 2"	2.25"	538'	
Handling Sub & Choke Assembly				
Dual CIP Valve		.87"	5'	4091 '
Dual CIP Sampler				
Hydro-Spring Tester		.75"	5'	40951
Multiple CIP Sampler	.			
Extension Joint			. <u></u>	
AP Running Case	5"	3.25"	5'	4097 '
	<u> </u>			
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Pocker Assembly				<u> </u>
Di-4-14				
Distributor				
Packer Assembly		······································		
				•
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
	<u> </u>		·	
Drill Collars				
Anchor Pipe Safety Joint				
	6 2//#	1 504	C 1	41001
Packer Assembly	0 3/4	1.50"	6'	4109'
Distributor				
	6 3/40	1 50		
Packer Assembly	0 3/4"	1.50"	6'	4115'
Anakan Bian Cafata Intus				
Anchor Pipe Safety Joint	- <u></u>	<u></u>		
ide Wall Anchor				
Drill Collars	6 ¹ 2"	2.25"	58'	
lush Joint Anchor	5 3/4"	2.25"	20'	
lanked-Off B.T. Running Case			5'	4201 '
otal Depth			=	4205'
				4200

- -

District I

6

1625 N. Frenci, Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410 District IV

2040 South Pacheco, Sante Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Resources

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Form C-104 Revised March 25, 1999

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office

5 Copies

Amended Report

l	RE	EQUEST F		WABLE AN	ID AUTHO	RIZATION	TO TRANS				
	UHC New N		1 Operator Name	and Address		*		20	GRID Num		
		•	oration						18371		
	P.O. Box 19	956		,				3 Reas	on for Filln	g Code	
	Cleburne, T	exas 7603	3				CH E	FFEC		06/01/99	
<u></u>	4 API Number			-	5 Pool Name	. 1		6	59469		
30 - 0	41-20440 7 Property Code			Toma	hawk San 8 Property Name	Andres			J9409		-
	17857 24	1917		Cone	Federal				2		
	Surface Lo	cation						I			_
UI or Lot No.	Section	Township	Range	Lot Id	Feet from the	North/South Line	Feet from the	East/Wes	it Line	County	-
C	31	78	32E		660	North	1980	We	est	Roosevelt	
1 Ul or Lot No.	Doctomino	le Location	Range	Lot Id	Feet from the	North/South Line	East from the	East/Wes	41 lun	17-mate	
			evange.			ador ano on ar Crite	rwet is one une	CSECALGE	r Line	County	
12 Lse Code	13 Producing Met	hod Code	14 Gas Connectio	n Date	15 C-129 Permit N	umber	16 C-129 Effective [Date	17 C-129 E	I Expiration Date	-
F	I	þ	1								
	Oil and Ga	s Transpor	ters					·			-
18 Transporter C	GRID			sporter Name and	Address		20 POD	21 0/3	22 POD	ULSTR Location and Des	ю
02044		Scurlock Pe				1954910	-2807543 -	0	A-:	31-7S-32E	٦
02465		P.O. Box 40 Warren Pet	648, Housto	n, Texas 77	/210		0007544				_
		P.O. Box 1	589. Tulsa.	Oklahoma	74102	1	- 2807544 -	⊢G	A-3	31-7S-32E	
0241	o 50	Dynegy		Cam LI			1954730	G			
		6 Depto	e Da. S	te 330	20 00						
e e sonaza	a a Mariana	Milla	nR,4X	1910	5		an a	- Sacharder an			
		1	1				and the second	12:20			
IV. 23 PO	Produced	water		·····	24 POD ULSTR Lo	cation and Descrip	blion				
	1954750				P-30-7S-	-32E					
V.		letion Data	1				······································				_
25 Spud Da		26 Ready Date		27 TC)	28 PBTD) at	29 Perfo	rations	30 DHC,MC	
31 Hole Si	20	32	Casing & Tubing :	Size		33 Depth Set		 	34 Sacks	Cement	
							·····	<u> </u>			-
	·		*							······································	
		l									_
VI. 35 Date New Oil	Well Test I								·····-	•	
35 Date New OI		36 Gas Delivery D	Jace	37 Test Date		38 Test Length		39 Tbg P	ressure	40 Csg Pressure	
41 Choke Size		42 011		43 Water		44 Gas		45 AOF		46 Test Method	
47 I hereby certify	y that the rules of the	Oll Conservation Di	vision have been co	mplied with and		OIL CON	SERVATION	DIVIS	SION		-
that the informati	on given above is true	and complete to th	e best of my knowl	ledge and belief.	OF	RIGINAL SIG	NED BY CHR	IS WILI	_IAM5		
Signature:	SODY	dull	ey.			DISTRIC	CT I SUPERV	ISOFI			
Printed Name:	Toby Gille	<u>.</u>	0		Title:						_
Title:	Agent				Approval Date:	OCI 14	1993				
Date:	9/9/99	Phone:	(817) 477-	5324							-
48 If this is a ch	ange enoperator fill	in the OGRID num		e previous operato	ır.						-
	Unle	Tru	u.	Clyde Liley			President				
1	Previgus Operato	r Signature	- 9	Printed Name			Title			Date	-

148869 Sierra Blanca Operating Company

District I PO Box 1944, El	labba, NM 8	241-1988	E	State sergy, Misers	e of Nev La A Nataral	v Mex Remark	ico m Departme	-sit			Form C-104 1 February 10, 1994
Matrict [] 10 Drawer DD,			O	L CONS	ERVAT	ION	DIVISIO	ON	Subm		Instructions on back priate District Office
District III			01		PO Box	2088					5 Copies
1999 Rie Brazes District IV	Rd., Aster	, NM 87410		Santa I	Fe, NM	87304	-2000		•	□ AI	MENDED REPORT
PO Bez 2008, S 1.	aata Fe, NM R	EQUES				D AU	THOR	ZAT	ION TO TR		RT
1			Operator sam								18869
	RRA BI TURNE		PERATIN	IG COMP	ANY				1	Remon for FU	
		TEXAS	7603	1		(NA	ME CH	ANGE) CH EF	FECTIVE	E 12-01-97
· ^	Pl Namber	r			• 1	bol Nam	:			1	* Pool Code
30 - 0	41-2	0440	То	mahawk							59469
' Pr	operty Code 1785		Co	one Fed		perty Na	-				Well Nomber #2
II. ¹⁰ S	Surface	Location	<u></u>								
Ul er lot no.	Section	Township	Range	Lot.Ida	Feet from		North/Son		Feet from the	East/West La	
С	31	75	32		6	560	<u> </u>	rth	1980	West	Roosevel
11	Bottom	Hole Loo			Feet from		/	ath Rea	Fest from the	Fast/West Is	Consty
UL or lot no.	Section	Township	Range	Lot Ida	i ter irom		110102-50				
" Lee Code	" Produc	ing Method C P	ode "Gas C	consection De	40 ¹⁴ C-	129 Perm	it Number	1	C-129 Effective i)ata 19	C-129 Expiration Date
F								<u> </u>		_,	
III. Oil a	the second s	Transpor	Transporter N			¹⁴ PO	D	^μ Ο/G	1	POD ULSTR	
OCRID			and Adviren								
174	407		SOURCE Grimes			1954	710			A-31-7	S-32E
024	650		PETROL		07	1954	730	G		A-31-7	-30F
		P.O. E	Box 598,	Tulsa,	OK		` ` 、			A-31-74	
							•				
				<u>, , , , , , , , , , , , , , , , , , , </u>							
IV. Prod	uced W	ater									
	POD				3		LSTR Locat		Description		
	4750					P-3	80-7S-	32E			
V. Well	and the second se	tion Data	A ¹⁴ Ready Dr	<u></u>		" TD			PBTD	<u> </u>	" Perforations
	pud Date		Kenty D	-							
}	" Hole Siz	<u></u>	" с	asing & Tubi	ing Size		ci	Depth S	4		Sacka Cement
											í
						_					
	l Test D		Delivery Date	× 1	fest Date		" Test Le	agth	" Tog. P	Tunci re	¹⁴ Cag. Pressure
# Cho	ke Sim		" Oll				÷.) ۵	<u>`````````````````````````````````````</u>	- A	DIF	" Test Mester 1
				<u> </u>		<u> </u>			<u></u>		
" I hereby ce with and that	rufy that the the information	rules of the O ion given abov	il Coar avation I e is true and com	Division have b uplete to the be	een complied at of my		6	il to	NSERVAT	10N DIV	VISION
knowledge an			1	1		Appro		ngine	Alina	Jan no	
Signature:	, La	pp/	Jana	elle)		Title:	حيا	-161-1		<u>X I V</u>	
Printed name:	KARO	DL RENN	IELS			<u> </u>	val Date:	<u> </u>			
Title:	ACEN					-l		N Z	<u>r. 1176</u>		
Daie:		28-98	Phone: (E	317) 55			relor				
			me							<u></u>	
148	Previou 860	u Operator Si	eneture	Corpor	ration		nted Name	nnel	s, Agent	Tide 03-2	Date
148	007 8		TA OTT			nai					مربق میں میں میں میں میں اور

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0.000.0000,0	Sebbs, NM F	\$241-1900		State Energy, Minera	e of New M La & National Rose	e ross Departa	ical		Revise	Form C d February 10,
Xetrict 🛛				-				•		Instructions on
O D rawer DD, Matrict III	, Artonia, NN	4 \$8211-8719	0		ERVATION PO Box 208		UN	Subp	ait to Appro	priate District C 5 C
000 Rio Brazos	Rd., Azter,	NM \$7418		Santa F	re, NM 875	04-2088			·	MENDED REP
Nutrict IV *O Box 2068, S	anta Fe, NM	87584-2088			<u></u>					
•	R	EQUES		LLOWAB	LE AND A	UTHOR	IZAT	ION TO TH		
CT(O)	ערוארט		•					1	48869	
			ORPORAT SUITE B				(Remon for FU	Lag Code
	IN, TE		78748					CO EFF	ECTIVE	02-01-97
· A	Pl Namber				* Pool N					' Pool Code
30 - 0	41-20 operty Code		To	mahawk	San Andre					<u>59469</u>
	17857		Co	ne Fede						#2
I. 10 g	Surface	Locatior	1		<u> </u>				., <u>l </u>	······································
Ul or lot Bo.	Section	Township	Range	Lot.1da	Foot from the	North/So	ath Line	Foot from the	East/West E	ac County
С	31	75	32E		660	Nor	th_	1980	West	Roosev
	Bottom	Hole Lo		الما الما	Foot from the	North/Se	with Kas	Fost from the	East/West L	ne Coenty
UL or lot no.	JUCLIO	Township								
11 Lee Code		ing Mathod C	Code ¹⁴ Gas	Connection Det	a ¹⁴ C-129 Pe	rmit Number		* C-129 Effective	Date 17	C-129 Expiration D
F	Р								l	
II. Oil an			rters	Name		POD	^и 0/ G	<u>.</u>	" POD ULST	Locatioa
OGRID			and Addre	19 E E E					and Descr	
02044				ian Corj	p	710	0			
			ox 4648	s 7721	g			A	-31-75	
02465			PETROL			730	G			ſ
	P	.O. Bo	ox 598,	Tulsa,O	K and a second			P	-31-75	-32E
										<u></u>
				<u></u>						
UV Brod									· · · · · · · · · · · · · · · · · · ·	
IV. Prod	uced W: POD	ater			- POD	ULSTR Loca	cioe and	Description	· · · · · · · · · · · · · · ·	
	POD	ater				ULSTR Loca 30-75-3		Description	· · · · · · · · · · · · · · · · · · ·	
∎ 19547 V. Well	POD 750 Comple		2		<u>P-:</u>	<u>30-75-3</u>			· · · · · · · · · · · · · · · · · · ·	
∎ 19547 V. Well	рор 750		2 ≝ Ready [Data		<u>30-75-3</u>		Description PETD	· · · · · · · · · · · · · · · · · · ·	¹⁷ Perforations
∎ 19547 V. Well	POD 750 Comple and Date	tion Dat	"Ready D		<u>Р-:</u> " тр	30-75-3		* PSTD		¹⁷ Perforations Sacks Coment
∎ 19547 V. Well	POD 750 Comple	tion Dat	"Ready D	Date Casing & Tubis	<u>Р-:</u> " тр	30-75-3	2E	* PSTD		
∎ 19547 V. Well	POD 750 Comple and Date	tion Dat	"Ready D		<u>Р-:</u> " тр	30-75-3	2E	* PSTD	· · · · · · · · · · · · · · · · · · ·	
∎ 19547 V. Well	POD 750 Comple and Date	tion Dat	"Ready D		<u>Р-:</u> " тр	30-75-3	2E	* PSTD	2	
∎ 19547 V. Well	POD 750 Comple and Date	tion Dat	"Ready D		<u>Р-:</u> " тр	30-75-3	2E	* PSTD	-	
19547 V. Well ^U Sp VI. Well	POD 750 Comple sed Date * Hole Star	tion Dat	* Ready [Casing & Tubis	P-: " TD आह जिल्ल	30-78-3	Deputa S	* PBTD		Sacks Coment
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DISTRICT I PO Box 1980, Hobbs, NM 88241-1980 DISTRICT II 811 South First, Artesia, NM 88210 DISTRICT III 1000 Rio Brazos Rd, Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

STATE OF NEW MEXICO Energy, Minerals & Natural Resources Department

- 1

Form C-104 Revised February 10, 1994 Instructions on Back Submit to Appropriate District Office 5 Copies

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

____ AMENDED REPORT

[VABLE	AND AUTH	HORIZATIO			
c		1. Operator Name Oil Corp					2	2. OGRID Number 148869	
							3. Re	ason for Filing Cod	e
		ills, Texas	78654					ctive March	
4	. API Number			:	5. Pool Name			6. Pool	Code
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11.		Hole Locatio	n Range	Lot Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
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		Garcia			Title:				0 / •nn
	Agent	1	010 000	7000	Approval Date:			JUN	24 1996
	3/6/96	Phone: fill in the OGRID r	210-693						
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Previo	us Operator Sign	ature		Printe	ed Name		Title		Date
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Sama Fe, NM 87505	DISTRICT III		;					N		5 Copies	
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District [PO Box 1906,] District []	Bobbs, NM BI	1241-1998	Ε	Stati	e of Nev	w Mex Resource	iCO B Departma	:at		Revi	ised	Form C-104 February 10, 1994
PO Drawer DD District III	, Artesia, NM	[88211-0719	0	IL CONS	ERVAT	TION	DIVISIO	ON	Subr	nit to App	ropr	astructions on back iate District Office
1000 Rie Braze District IV					PO Box Fe, NM		-2088				AM	5 Copies ENDED REPORT
PO Box 2088, 1 I.			T FOR AI	LOWAE	BLE AN	DAŬ	THORI	ZAT		RANSPO		
SEC		-	Operator and	e and Addres						' OGRID	Numi	
P. (D. BOX	708			ENC					14886	ζ	
	BLE FAI	LLS, T	EXAS	78654					CH EF	FECTI	VE	10-01-95
30 - 0	41-2			mahawk	San A		S					Pool Code 59469
178	57 Surface			ne Fede	eral ^{°m}	perty Na					W '	#2
Ul or lot no.	Section	Township	Range	Lot.Ida	Feet from	uhe 🦳	North/Son	th Line	Fost from the	East/West	line	County
C	31 Bottom I	7S			6	60	Nor	th	1980	Wes	st	Roosevel
UL or lot as		Township		Lot Ida	Feet from	the	North/See	th Lee	Fost from the	East/West		Cosaty
												,
" Lee Code F	¹⁹ Produciu E	Mathod C	Code ¹⁴ Gas (Connection De	le ¹⁴ C-	129 Permi	t Number		* C-129 Effective	Date	" C-	129 Expiration Date
	ind Gas 7				·····	,		J	· · · · · · · · · · · · · · · · · · ·	k		
"Transpo OGREE			" Transporter N and Advirus			¹⁴ PO	P	^μ Ο/G		" POD ULS and Des		
174			SOURCE : Grimes			19547	10	0		A-31-7	- /S-	32E
-9240	איז טכט	ARREN	PETROL	EUM		1954	30-1	G				
	F	<u>.0.</u> В	ox 598,	<u>Fulsa,(</u>	<u>)</u> K				-	A-31-7	S-	32E
2347	0 7	Fide	int l	GL		254	1:30	6				
				Enc								
IV. Prod	uced Wa	ter										
1954	POD				ł		STR Locati		Description	<u> </u>		
V. Well		ion Data	a									
^{tt} S _l	pud Date		" Ready De	<i>la</i>		" TD			* PBTD			" Perforetions
	³⁴ Eloie Sue		" C	asing & Tubis	ug Slae		° 1	Depth Se	ct		" Sac	ks Cement
											<u></u>	
	l Test Da	the second s										
" Date	New Ol	Ges	Delivery Date	* T	nst Date		" Test Lea	gth	* Tog. P	TCOGO FC		¹⁴ Cag. Pressus re
" Chn	ike St w		" 01	1	W/+++#	- 	4 Gan		· A	0 F		" Test Meine !!
* I hereby ce with and that knowledge an	the information	ules of the Oi a given above	il Constantion D e is true and com	ivision have be plete to the bes	en complied t of my) NSERVAT		IVIS	SION
Signature:		RENNE	LIS Land		~ /	Approve	al by: Of	RIGIN A	AL SIGNED RY WINK	BY		
Printed name:				- KIN	ners	Title:		AV BIT	LD REP. II	• •		
Title:	AGENT 10/17	/95	() 1	0) 693	-7022	Approv	d Date:		NOV	2 199	} —	
Da.e:			Phone:									
" If this is a	and	$(F, \forall$	He OGRID au			ious oper	tor					10/27/95
01540	Previous DG N	Op#ior Sig Murphy	Operat	ing Co	rp.	Prist Caro	ed Name 1 J. (Garc	ia, Prod	Tid . Mgr	t •	Daie

.

Submit 5 Copies Appropriate District Office DISTRICT 1	Er	ergy, Mine	State of Ne erals and Natu		es Departme	nt		Form C-10 Revised 1- See Instru	1-89 ctions
P.O. Box 1980, Hobbs, NM 88240 <u>DISTRICT II</u> P.O. Drawer DD, Artesia, NM 88210	O	IL CO	NSERVA P.O. Bo		IVISIO	N		at Bottom	of Lage
DISTRICT III		Santa	Fe, New Me	xico 8750	4-2088				
1000 Rio Brazos Rd., Aztec, NM 87410 I.					· · · · - · · · ·				
Operator						Well A		_	
Murphy Operating Address	g Corpo	ration					-041-2044	•0	
P. O. Box 2545,	Roswe	11, Ne	w Mexico	8820	2-2545				
Reason(s) for Filing (Check proper box) New Well		Chaoge in Tra	nenostas of:	Othe	er (Please expla	in) `			
Recompletion	Oil		·	Change	e effecti	lve Apri	1 1, 199	2	
Change in Operator	Casinghead	Gas 🔀 Co	ndensate						
If change of operator give name and address of previous operator									
II. DESCRIPTION OF WELL A	ND LEA								
Lease Name Cone Federal	1	Well No. Po 2	ol Name, Includi: Tomah	awk San	Andres		f Lease Federal gryPycy	Leas NM-1	e No. 5019
Location	<u> </u>		1011111	awk Dall	Allutes				
Unit Letter <u>C</u>	: 660	Fe	et From The <u>N</u>	orth Lin	and <u>1980</u>) Fee	t From The	West	Line
Section 31 Township	7 Sou	th Ra	nge 32 Ea	st.N	MPM,	Ro	osevelt		County
OTOTTOWARR									
III. DESIGNATION OF TRANS		OF OIL			e address to wh	ich approved	com of this for	m is to be sent	, , , , , , , , , , , , , , , , , , , ,
Petro Source Pa			[]		Box 13				
Name of Authorized Transporter of Casing		or 🔀	Dry Gas 🛄		e address to wh)
If well produces oil or liquids,		Sec. Tv	/p. Rge.	ls gas actuali	y connected?	When	?		
give location of tanks.			7 <mark>5 32</mark> E						
If this production is commingled with that f IV. COMPLETION DATA	rom any othe	Oil Well	, give commingli Gas Well	New Well			Dive Deals		
Designate Type of Completion -	(X)			Ì		Deepen	Plug Back S	HINE KCS V	Diff Res'v
Date Spudded	Date Compl	Ready to Pro	xd.	Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Pro	ducing Form	ation	Top Oil/Gas	Pay		Tubing Depth	•	
Perforations							Depth Casing	Shoe	
								U IIOU	
	····		ASING AND	CEMENTI		D			
HOLE SIZE	CAS	ING & TUBII	NG SIZE		DEPTH SET		S/	CKS CEME	
V. TEST DATA AND REQUES				1			L		
OIL WELL (Test must be after re Date First New Oil Run To Tank	covery of tou Date of Test		oad oil and must		exceed top allo			r fuli 24 hours	.)]
Date First New On Kull 10 Talk	Date of Test				ouloo (1 1077, p.		,		
Length of Test	Tubing Pres	sure		Casing Press	ure	<u> </u>	Choke Size		
Actual Prod. During Test	Oil - Bbls.			Water - Bbis	•		Gas- MCF		
							L		
GAS WELL									
Actual Prod. Test - MCF/D	Length of T	est		Bbls. Coude	nsate/MMCF		Gravity of Co	mdensate	
Testing Method (pitot, back pr.)	Tubing Pres	sure (Shut-in))	Casing Press	ure (Shut-in)		Choke Size		
VI. OPERATOR CERTIFIC		COMPL	IANCE	┨┌────			.L		J
I hereby certify that the rules and regula	ations of the	Dil Conservat	ion		OIL CON	ISERV	ATION [DIVISIO	N
Division have been complied with and is true and complete to the best of my l			above	D-1	· / ······		APR 21	'92	
Q	- 				e Approve	.u			<u></u>
Carol J. F	arcia			By_	· GRIGINAI	SIGNED 2	Y JERRY S	IXTON	
Signature Carol J. Garcia	, Prod	uction	Analyst	-11			JPERVISOR		
Printed Name <u>4 / 8 / 9 2</u> Date				Title)				
Date		Teleph	one No.						

· i

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance Request for allowable for newly diffied or deepened well must be accompanied by abulation of deviation tests taken in a with Rule 111.
 All sections of this form must be filled out for allowable on new and recompleted wells.
 Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
 Separate Form C-104 must be filed for each pool in multiply completed wells.

APR 2 0 1992 CD HOBBS OFFICE

RECEIVED

STATE OF NEW MEXICO HGY AND MINERALS DEPARTMENT		TION DIVISION	Form C-104 Revised 10-1-78
14H1A FE	P. O. BO SANTA FE, NEW		
Г 1L 8 U.S. U.S. LAND UFFICR DIL	REQUEST FOR		
TAANSPONTER OAS		ND PORT OIL AND NATURAL GAS	
Citerator MURPHY OPERATING	CORPORATION	······································	
	8, Roswell, New Mexico 8	0201 Other (Please explain)	
Reason(s) for filing (Check proper box) New Well	Change in Transporter of:	Change of Owners	nip
Recompletion Change in Ownership X	Oll Dry Ga Castrigheod Gas Conden	• _ effective 12-1-84	
	UNDANCE OIL EXPLORATION C	One Barclay Plaza	-
and address of previous owner	UNDANCE OIL EXPLORATION C	OFFANT, 1075 Latimet Stro	eet, benver, co oozoz
DESCRIPTION OF WELL AND	Well No. Pool Name, Including Fo	Kind of Leas	• Federal Luce. No.
Cone Federal	2 Tomahawk San	Andres State, Federa	ol or Fee 15019
Unit Letter <u>C</u> ; 660	Feel From The North Lin	and Feet From	The West
Line of Section 31 T	mahip 7 South Range	32 East , NMPM,	Roosevelt County
DESIGNATION OF TRANSPORT	TER OF OIL AND NATURAL GA	S Add:ess (Give address to which appro	ved copy of this form is to be sent)
None of Authorized Transporter of Cil The Permian Corporation	· · · · · · · · · · · · · · · · · · ·	P. O. Box 1183, Houst	on, Texas 77001
Name of Authorized Transporter of Cas Cities Service Company	inchead Gos 🔀 or Dry Gas 🗌	Address (Give address to which appro P. O. Box 300, Tulsa,	•
If well produces oil or liquids,	Unit Sec. Twp. Rye. A 31 7-S 32-E	is gas octually connected? Wh NO I	en
cive location of tanks.	h that from any other lease or pool,	<u></u>	
COMPLETION DATA	Oll Well Gas Well	New Well Workover Deepen	Plug Back Same Resty, Dill. Rest
Designate Type of Completio	n - (X) Date Compl. Ready to Prod.	Total Dopth	P.B.T.D.
Date Spuddod	· · · · · · · · · · · · · · · · · · ·		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe
		CEMENTING RECORD	
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
TEST DATA AND REQUEST FO		pth or be for full 24 hours)	and must be equal to or exceed top allo
Date First New Dil Bun To Tonks	Dote of Test	Producing Mothed (Flow, pump, cos li	j1, e1c.)
Leagth of Tust	Tubing Pressure	Casing Pressure	Choke Size
Actual Pred. During Test	Oll-Blie.	Water-Bbls.	Cost - MCF
GAS WELL	Longth of Trai	Bbls. Condensets AMCF	Gravity of Condensate
Terting Herrod (pitot, Lack pr.)	Tubing Piecesus (phut-in)	Cosing Fiereure (Lbut-12)	Chol • Sir •
CENTIFICATE OF COMPLIANC	J CE	DIL CONSERVA	
I hereby costify that the rules and r	egulations of the Dil Conservation		ED BY JEANS SEXTONS
Division have been compiled with store is this and complete to the	and that the information given	.BYDISTRIC	T I SUPERVISOR
MURPHY OPERATING CORPO		TITLE	
A. J. Aurphy	stwe)	If this is a request for ellow well this form must be accompa	compliance with NULE 1104, wable for a newly drilled or deepend nied by a tabulation of the deviation dense with NULE of the deviation
President		tests taken on the well in acco All sections of this form mu	ist he filled out completely for ellow
January 4, 1985		ble on new and recompleted w [fill out only Sections I, 1 well manie or number, or transpor	elle, 1. III, and VI for changes of owne ter, or other such change of conditie
		Separate Forms C-104 mus	t he filed for each post in multip

JAN 1 0 1985

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(Formerly 9-331) DEPARIMENT OF THE INTERNO	OH Hanganghamminaanina	5. LEASE DESIGNATION AND BERIAL NO.
BUREAU LAND MANAGE	BOX 1930	ļ
HOBB	IS, NEW MEXICO 88240 DN WELLS	- NM-15019 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1. OIL GAS WELL WELL OTHER		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Murphy Operating Corporation	39. Area Code & Phone No.	8. PARM OR LEADE NAME
3. ADDRESS OF OPERATOR	505-623-7210	Cone Federal
P. O. Drawer 2648, Roswell, New Mexico 8820		9. WELL NO.
 LOCATION OF WELL (Report location clearly and in accordance with any S See also space 17 below.) At surface 660' FNL, 1980' FWL, Unit Ltr. C, Sec. 31, T 		10. FIELD AND POOL, OR WILDCAT Tomahawk San Andres 11. SEC., T., E., M., OR BLK. AND SURVET OR AREA SOC. 21. T.75. D225
14. FERMIT NO. 15. ELEVATIONS (Show whether DF, 14438' KB, 4428' GR	RT. GR. etc.)	Sec. 31, T7S, R32E
16. Check Appropriate Box To Indicate No	ature of Notice, Report, or O	ther Data
NOTICE OF INTENTION TO :	SUBSEQU	ENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING FRACTURE TREAT NULTIPLE COMPLETE SHOOT OR ACIDIZE ABANDON* REPAIR WELL CHANGE PLANS (Other) Request for TA extension	WATER SHUT-OFF FRACTI'BE TREATMENT SHOOTING OR ACIDIZING (Other)	BEPAIRING WELL ALTERING CASING ABANDONMENT [®]
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent	VUDDIPLIOD OF RECORDING	TION Report and I am fame.)

•

÷ 7

proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Cone Federal Well # 2 is a temporarily abandoned well. We hereby request that the TA status be extended.



18. I hereby certify that the foregraphs is true and correct	
SIGNED Are Freeded TITLE Production Supervisor	DATE 4/27/90
(This space for Federal or State office use)	
APPROVED BY TITLE TITLE CONDITIONS OF APPROVAL, IF ANY: APPROVED FOR MONTH PERIOD ENDING MAY 23 1991	APPROVED PETER W. CHESTER MAY 2 3 1990
*See Instructions on Revence Side	
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to	BUREAU OF LAND MANAGEMENT ROSWELL RESOURCE AREA any department of average of the

	trly 9-331) DEPARTN	AEN. OF THE INTER	M. UIL CUNS. CUMMISSION SUBMIT IN TRIPI TH CORRECTION DBBS, NEW MEXICO 8824	5. LEASE DESIGNATION	31, 1985
		U OF LAND MANAGEMEN CES AND REPORTS als to drill or to deepen or plug TION FOR PERMIT—" for such	ON WELLS	6. IF INDIAN, ALLOTTER	OR TRIBE NAME
1. 01L	сала сла			7. UNIT AOREEMENT NA	NE .
	LL LA WELL LI OTHER THE OF OPERATOR JRPHY OPERATING CORPOR	RATION		8. FARM OR LEASE NAM	
	REES OF OPERATOR			9. WELL NO.	
	. O. Box 2648, Roswell			2	
See	ATION OF WELL (Report location cl also space 17 below.) surface	early and in accordance with an	y State regulrements.•	10. FIELD AND POOL, OF Tomahawk San	Andres
66	50' FNL, 1980' FWL, Un	nit Ltr. C, Sec. 31,	T-75, R-32	11. BEC. T., E., M., OZ B BURVEY OE ABBA Sec. 31, T-7	•
14. PEB	MIT NO.	15. ELEVATIONS (Show whether i	DF. RT. GR. etc.	12. COUNTY OB PARISE	
		4438' KB, 4428'	GR	Roosevelt	New Mexico
16.	Check Ap	propriate Box To Indicate	Nature of Notice, Report, or	Other Data	
	NOTICE OF INTEN	TION TO :	BUBB	EQUENT REPORT OF:	
TE	ST WATER SHUT-OFF	CLL OR ALTER CASING	WATER SHUT-OFF	BEPAIRING T	WELL
FR	ACTURE TREAT	ULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING C.	
		ABANDON*	SHOOTING OR ACIDIZING	ABANDONME	KT*
	Diber) pressure test	casing X	(Other) (Norz: Report resu Completion or Reco	Its of multiple completion apletion Report and Log for	on Well
1	CRIPE PROPOSED OR COMPLETED OPE	BATIONS (Clearly state all pertin	ent details, and give pertinent dat cations and measured and true ver	es, including estimated dat	te of starting any
,	ient to this workly				
On (or about September 15	, 1988 commence work	x as follows:		
1.	TOH rods, pump and t	ubing.	· ·		
2.	TIH w/packer and tub	ing. Set packer wit	thin 100' of uppermost	t perforation.	
3.	Load annulus and pre	ssure test to 500 ps	si and hold for 30 min	nutes.	
4.	Perforate l JSPF: P tubing and acidize w		') and P-3 zone (4235 e.	'-4242'). TIH w	/packer and
5.	Set retrievable brid gals. 15% NeFe.	ge plug and perforat	te l JSPF P-l zone (4	056'-4084'). Ac:	idize w/5000
6.	TOH w/retrievable br production.	idge plug and packer	r. TIH w/tubing, pum	p and rods. Retu	ırn to
7.	MOC will notify BLM representative may w		Mexico 48 hours prio	r to casing test	so that BLM
14. 1 4	creby certify that the foregoing is	s true and correct	······································		
\$10	NED Meliada X.		Production Supervisor	DATE 7/1	5/88
	the space for Federal or State official	се рыс)		APPROVE	D
	POTED BY	TITLE		PETEREW. CHE	STER
co	PROVED BY			JUL 22 1	
				1	
		*See Instruction	ons on Reverse Side	BUREAU OF LAND M ROSWELL RESOU	ANAGEMENT RCE AREA
Tiniy Utititi	18 U.S.C. Section 1001, makes : States any faise, fictitious o	s it a crime for any person k or fraudulent statements or re	nowingly and willfully to make opresentations as to any matte	to any department or a	agency of the

.

		O. BOX 1990 BBS, NEW MEXIC	0 58240	Form approved.
Form 3160-5 November 1983) Formerly 9-331)	UNITED S DEPARTMENT OF	THE INTERIOR	SUBMIT IN TRIPLICA (Other Instructions on verse side)	Budget Bureau No. 1004-0135
	BUREAU OF LAND			NM-15019 6. IF INDIAN, ALLOTTER OR TRIBE NAME
SUND (Do not use this fo	NOTICES AND in for proposals to drill or in Application For Per	REPORTS ON to deepen or plug back RMIT—" for such propos	WELLS to a different reservoir. als.)	
I. OFL X CAN WELL] отнен	······································	•	7. UNIT AGREEMENT DAME
2. NAME OF OPERATOR MURPHY OPERATI	NG CORPORATION			5. FARM OR LEASE FAME CONE FEDERAL
3. ADDRESS OF OPERATOR				9. WELL NO.
P. O. Drawer 2	648, Roswell, New port location clearly and in ac	Mexico 88201 cordance with any State	e requirements.*	2 10. FIELD AND POOL, OR WILDCAT
See also space 17 below At surface	.)		-	Tomahawk San Andres
660' FNL, 198	O' FWL, (Unit Ltr.	C) Sec. 31, T	-7S, R-32E	11. SHC. T. B. M. OR BLK. AND SUBVRY ON ADDA Sec. 31, T-7S, R-32E
14. PERMIT NO.	15. BLEVATION	S (Show whether DF, BT,	GR, etc.)	12. COUNTY OR PARISH 13. STATE
	4438	KB, 4428' GR		Roosevelt New Mexico
16.	Check Appropriate Bo	x To Indicate Natu	re of Notice, Report, c	or Other Data
NO	TICE OF INTENTION TO:	I .	EUS	SEQUENT REPORT OF:
TEST WATER SHUT-OFF Fracture treat Shoot or acidizr Repair Well	MULTIPLE COMP ABANDON* CHANGE PLANS		WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other)	BEFAIEING WELL ALTERING CASING ABANDONMENT [®] Builts of multiple completion on Well
	for TA Extension		Completion or Rec	oupletion Report and Log form.} ates, including estimated date of starting any ertical depths for all markers and sones perti-
	future. We hereby r one year, and th	-		doned status be continued for one year.
	-			
•		•	· · · · ·	n an
· · ·				41056
				Contraction and the second sec
I hereby certify that the	he foregoing is true and corre	ect	······································	
IGNED Loi	s N. Brown	TITLE Prod	uction Clerk	DATE March 13, 1986
This space for Federa			· · · · · · · · · · · · · · · · · · ·	APPROVED
PROVED BY	BAT 17 18 4374.			PETER MESTER
NUITIONS OF APP	APPROVE	D FOR - MONT	H PERIOD	MAR 1 4 1986
	ENDING	See Instructions on	1	IREAU OF LAND MANAGEMENT ROSWELL RESOURCE AREA
U.S.C. Section	1001, makes it a crime fo	r any person knowing	gly and willfully to make	ete any department or agency of the



I	NO. OF COPICS RECEIVED	-	.~	
	DISTRIBUTION	NEW MEXICO OIL CO		Form C-104
	SANTA FE	REQUEST	FOR ALLOWABLE	Supersedes Old C-114 and C-111
	FILE		AND	Effective 1-1-65
	U.S.G.S.	AUTHORIZATION TO TRA	NSPORT OIL AND NATURAL G	AS
	LAND OFFICE		-	
	IRANSPORTER GAS			
1.	OPERATOR PROBATION OFFICE Uperator			
	SUNDANCE OIL EXPLO	ATTON COMPANY		
	Address			
	1675 Larimer St	Suite 800 Denver	Colorado 80202	
	Reason(s) for filing (Check proper box)		Other (Please explain)	
	New Well	Change in Transpotter of:		n Sundance Oil Company
	Recompletion	Oil X Dry Gas Casinghead Gas Conden:		Exploration Company
	Change in Ownership			
	If change of ownership give name and address of previous owner		<u></u>	
.1.	DESCRIPTION OF WELL AND I	EASE	ormation i Kind of Lease	
ĺ	Lesse Name	Well No. Pool Name, Including Fo		or Fee Federal 15019
	CONE FEDERAL	2 Tomahawk, San	Andres	rederar 15019
	Unit Letter C ; 660	Feel From The North Line	e and Feet From T	heWest
	Line of Section 31 Tow	mship 7S Range 32	2E , NMPM, Roosev	county
	NECTOR 4 1101 AP TO 110000	200 00 011 AND MATTIN 11 04	c	
1.	DESIGNATION OF TRANSPORT Name of Authorized Transporter of Oil	ER OF OIL AND NATURAL GA	S Address (Give address to which approv	ed copy of this form is to be sent)
	The Permian Corporation		P.O. Box 1183 Houston	Texas 77001
i	Nome of Authorized Transporter of Cas	inghead Gas 🛐 or Dry Gas 🛄	Address (Give address to which approv	1
	Cities Service Company		P.O. Box 300 Tulsa Okla	
	If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Pcc. A 31 7S 32E	Is gas actually connected? When No	·····
	If this production is commingled wit COMPLETION DATA	h that from any other lease or pool, ;		Pilg Back Same Rosty, Diff. Renty,
	Designate Type of Completio	n - (X)	New Well Workover Deepen	
	Date Spudded	Date Compl. Ready to Fred.	Total Depth	P.B.T.D.
		-		
	Lievations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Cil/Gas Pay	Tubing Depth
		<u> </u>	<u> </u>	Depth Casing Shoe
i	Perforations			
		THOMA CASING AND	CEMENTING RECORD	
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
		<u></u>		
٠.	TEST DATA AND REQUEST FO		fter recovery of total volume of load oil a pth or be for full 24 hours)	ha must be equal to be exceed top ditore
	Date First New Oil Run To Tanks	Date of Test	Preducing Method (Flow, pump, cas lift	:, etc.)
				Cheke Size
	Length of Test	Tuking Prossure	Casing Pressure	
	Actual Pred. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF
;			······	
	GAS WELL			Gravity of Condensate
	Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
i	Testing Method (pitol, back pr.)	Tubing Freesure (6hut-1n)	Casing Pressure (Linut-in)	Choke Size
1.	CERTIFICATE OF COMPLIAN	CE	AUG - 8	TION COMMISSION
	I hereby certify that the rules and	regulations of the Oil Conservation	APPROVED	
	Commission have been complicit	with and that the information given best of my knowledge and belief.	BYEddie V	V. Seav
	\frown		TITLE Oil & Gas	; Inspector
	· [p.]	· (/AR. /	This form is to be filed in c	ompliance with RULE 1104.
	(Oldeille	NACKA	to at the lase approval for allow	able for a newly dilled or deapened.
		and Amarilis C. Vilches	well, this form must be accompar tests taken on the well in accord	eleg 25 e fenningtering di num dus interier
	Senior Production Assis	stant	All sections of this form mut	st he filled out completely for allow-
	(T	iile)	able on new and recompleted we	lis.

July 20, 1984

(Date)

If this is a request for allowable for a newly drilled or essent well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with NULE 111.	. u . 13
All sections of this form must be filled out completely for allow able on new and recompleted wells.	¥-

Fill out only Sections I. II. III. and VI for changes of owner, well name or number, or transporter, or other such change of condition.

RECEIVED AUG-31984 HUG-STE

Old C-104 and C I-65 inghead Lease No 15019 County
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JUN 2 2 1979 OIL CONSERVATED & COMM, HORES, M. H.

5/ F U L I I	HO, OF COPIES RECEIVED DISTRIBUTION ANTA FE ILE S.G.S. AND OFFICE RANSPORTER OIL GAS PERATOR RORATION OFFICE	REQUEST	ONSERVATION COMMISE FOR ALLOWABLE AND ANSPORT OIL AND NATURAL G	Form C-104 Supersedes Old C-104 and C-17 Effective 1-1-65
Ad Rc Ne Re	erator <u>SUNDANCE OIL COMPANY</u> dress <u>Suite 510, 1776 Linc</u> ason(s) for filing (Check proper box, w We!l completion ange in Ownership			
	hange of ownership give name address of previous owner			· · ·
Le	SCRIPTION OF WELL AND 1 ase Name <u>Cone Federal</u> cation Unit Letter <u>C</u> ; 660	Well No. Pool Name, Including F 2. Tomahawk, Sa	an Andres State, Federal	cr Fee Federal Lease No. 15019
I. DE	SIGNATION OF TRANSPORT	FER OF OIL AND NATURAL GA		ed copy of this form is to be sent)
	Koch Oil Company The of Authorized Transporter of Cas	Unit Sec. Twp. Pge.	P.O. Box 1158, Breckenri Address (Give address to which approv Is gas actually connected? Whe	ed copy of this form is to be sent)
Ģiv	well produces oil or liquids, re location of tanks.	A 31 7S 32E h that from any other lease or pool,	No	
:. <u>Co</u>	MPLETION DATA Designate Type of Completio	Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Resty, Diff. Resty, P.B.T.D.
	viutions (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top C:1/Gas Pay	Tubing Depth
Pe	rforations			Depth Casing Shoe
		TUBING, CASING, AND	CEMENTING RECORD	
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
	ST DATA AND REQUEST FO	DR ALLOWABLE (Test must be a)	fter recovery of total volume of load oil a	nd must be equal to or exceed top allow-
011	L WELL to First New Oil Run To Tanks	able for this de Date of Test	pth or be for full 24 hours) Producing Method (Flow, pump, gas lift	e, etc.)
Lei	ngth of Test	Tubing Pressure	Casing Pressure	Choke Size
Ac	tual Prod. During Test	Oil-Bhis.	Water-Bbls.	Gas • MCF
_	S WELL	L	· · · · · · · · · · · · · · · · · · ·	
	tuai Frod. Tost-MCF/D	Length of Test Tubing Pressure (Shut-in)	Bbis. Condensate/MMCF Casing Fressure (Shut-in)	Gravity of Condensate
	sting Method (pitot, back pr.)			
I ha Соп аво	ninission have been complied w ve is true and complete to the	egulations of the Oll Conservation ith and that the information given best of my knowledge and belief. Multiple two Richard O. Dimit	APPROVED <u>AUG 1</u> BY <u>Det Signer</u> Jarry Sector TITLE <u>Det 1. Sep</u> This form is to be filed in c	15/8, 19 d by m w compliance with RULE 1104. able for a newly drilled or deepened didd by a tabulation of the deviation
	Vice-President, Produc (Tit July 28, 1978	le)	All sections of this form mus able on now and recompleted we Fill out only Sections I. H.	it be filled out completely for allow-

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UULS 1 1978 Character Station Comm. Regist M. M.

Form 9-330 (Rev. 5-63)	T	JNI. D	CTATE	c	SUBMI	T IN I	DUPLICA	I F	orm app	proved.	
	DEPARTN						(See othe.	E	ludget Bu	areau No. 42-R355.5.	
		EOLOGICA					reverse sid			N AND SERIAL NO.	
	MPLETION C	D DECON			דפר					EE OR TRIBE NAME	
1a. TYPE OF WELL			····				100		PMEND	NAME	
b. TYPE OF COMI	•	ΜΩI WELL ∐	DRY	Other				-	EMENT		
NEW XX	WORK DEEP- OVER EN	PLUG BACK	DIFF. RESVR.	Other		<u> </u>	· · · · · · · · · · · · · · · · · · ·	S. FARM OR	LEASE N.	AME	
2. NAME OF OPERATO								Cone Fe	edera	1	
3. ADDRESS OF OPER	IL COMPANY	····	<u> </u>		<u></u>			2			
Suite 510, 4. LOCATION OF WEL	1776 Lincol	<u>In St., De</u>	<u>nver, C</u>	<u>0 802(</u>)3	;. •	<u> </u>	10. FIELD AN			
)' FNL and 19		coraance wit	n any stat	e require In i t	ements; C)• 	. 11. SEC., T., F		n Andres BLOCK AND SURVEY	
	erval reported below			,	NITC.	C .		VL C OR AREA			
Sam At total depth	ie							Section	n 31,	T. 7S., R.	32E.
Sam	le		14. PERMIT	NO.	I	DATE IS	SUED	12. COUNTY O PARISH		13. STATE	
			CONTRACTOR	1			29/77	Rooseve	<u>elt</u>	New Mexico)
12/21/77	16. date t.d. reac $1/1/78$	1/16		ay io proa			KB, 442	в, вт, gr, етс.)* 8' GR	I9. EL		
20. TOTAL DEPTH, MD &	1/1//O 21. PLUG, B	ACK T.D., MD & T	D 22. IF	MULTIPLE W MANY*	COMPL.,	+30	23. INTERVAL	S ROTARY TOOL		CABLE TOOLS	
4320 24. PRODUCING INTER	4286		POTTON NAM	N/	<u>/A</u>		>	<u> A11</u>	1 25	None WAS DIRECTIONAL	
	P-2 zone of			-	, 110),					SURVEY MADE	
4152-72' - 26. TYPE ELECTRIC A	P-2 zone of	f San Andr	<u>es Form</u>	ation						Yes	
						-				WELL CORED	
28.	er DLL/RXO,		G RECORD	(Report all	strings	set in 1	well)		N	0	
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET		HOLE SIZ	E			G RECORD		AMOUNT PULLED	
<u>8 5/8"</u> 4 1/2"	24 10.5, 11.6	<u> </u>		$\frac{12\frac{1}{4}''}{7 7/8}$	<u>, II (II (II (II (II (II (II (II (II (II</u>	<u>600</u> 300				None	
<u> 4 1/ 2 </u>	10.5, 11.0	<u> </u>		_/ //0	<u> </u>	300	_5X		'	None	
											•
29. 		VER RECORD	ACKS CEMEN	T* SCRI	EEN (MD	!	30. SIZE	DEPTH SET (MI		PACKER SET (MD)	
							2 3/8"	4025'			
31. PERFORATION REC	OFD (Internal size (ind number)									
	/2 spf, 24 ł			32. DEI	TH INT			CTURE, CEMENT			
	1/2 spf, 40 ł			4	32-7	2'		0 gal. 20%			ers
								<u> </u>			
					<u> </u>						
33.* DATE FIRST PRODUCTH		IN MERHOD (EL		PRODUCTI							
1/16/78	Flow	ION METHOD (FU	winy, gus ii	i, pumping	/81ze a	ina typ	e of pump)	shut		(Producing or	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FO TEST PERI		-BBL.	 1	GAS-MCF.	WATER-BBL.		S-OIL RATIO	
1/16/78	24 CASING PRESSURE	23/64	OIL-BBL.	- 2	200 GAS>		95	R-BBL,	OIL CRA	475:1 VITY-API (CORR.)	
110	400	24-HOUR RATE	200	1		95	1	0	OID GRA	(COAR.)	
34. DISPOSITION OF GA	s (Sold, used for fue						I	TEST WITNES			
USED ON LE	ease for fue	1						Jim Ak	in		
······································	1 -	1	/								
36. I hereby certify	that the foregoing a	ind attached info	ormation 16	complete an	nd corre	ct as d	etermined fro	m all available re	cords	-	
signed	10/1/11/11	V. All	Ul TITLE	Chiet	Eng	inee	r	DATE	Jan	uary 17, 197	'8
IX.14-41		istructions and	Spaces fo	or Additi	onal D	ata o	n Reverse S	ide)			
								-		ρ	i.

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NSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State laws and interverses, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State instructions on itoms 22 and 23, below regarding separate reports for separate completions. To the file this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and increates, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

14cm 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

16.1 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **19.5** 2 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 24 show the producing interval, or intervals, top(s), botton(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval sport and interval completion on the separate report (page) on this form, adequately identified, for each additional interval showing the additional for such interval. Submit a separate report (page) on this form, adequately identified, for each additional interval sport of this well show the superately produced, showing the additional for such interval. Another space and the location of the cementing tool. **Hem 29**: "Submit a separate completion report on this form for each interval. (See instruction for items 24 above.)

2	TOP	H TRUEVERT. DEPTH	Same Same Same Same Same
GEOLOGIC MARKERS		MEAS. DEPTH	1774 1822 3331 3884 4037 4118 4230
38. (38.010		212 V V	Rustler Salado Yates San Andres P-1 P-2 P-3 P-3
NHUW ALL DAPURTANT ZURES OF FURDELT AND UNTERES THEREOF, UNER DATERVALS, AND ALL DALL-BERM TESTS, INCLUDING DELTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	DESCRIPTION, CONTENTS, ETC.		DST #1: 4115-4205 30/60/120/180 Rec. 2300' oil 40' VSOCMW IHP: 2247 FHP: 2221 IFP: 119-292 FFP: 358-714 ISTP: 1281 FSTP: 1281 BHT: 102 ⁰ F.
OSITY AND CONTENT SED, TIME TOOL OF	BOTTOM		·
TESTED, CUSHION 1	TOP		
DEPTH INTERVAL 1	FORM ATION		Car Con a station of the station of the

U.S. COVERNMENT PRINTING OFFICE: 1974 - 780-680/VIII-238

	NO. OF COPIES RECEIVED	ļ				
	BISTRIBUTION SANTA FE		ONSERVATION COMMISS	Form C -104 Supersedes Old C-104 and C-11. Effective 1-1-65		
	U.S.G.S.	AUTHORIZATION TO TRA	AND NSPORT OIL AND NATURAL			
	TRANSPORTER OIL GAS					
1.	OPERATOR PRORATION OFFICE					
	SUNDANCE OIL COMPANY					
	Suite 510, 1776 Lincol Reoson(s) for filing (Check proper box, New We!! XX Recompletion	Change in Transporter of: Oil XX Dry Ga	Othe CASINGHEAD FLARED AFTE	GAS MUST NOT BE		
	Change in Ownership	Casinghead Gas Conden	IS OBTAINED.			
	If change of ownership give name and address of previous owner	THIS WELL HAS BEEN F DESIGNATED BELOW: IF NOTIFY THIS OFFICE.	YOU DO NOT CONCUE			
11.	DESCRIPTION OF WELL AND	Well No. Pool Name, Including Fo	prmation Kind of Leas	se Lease No.		
	Cone Federal	2 Tomahawk San A	Andres State, Føder	al or Fee Federal 15019		
	Unit Letter; (560 Feet From The North Lin	e and <u>1980</u> Feet From	The West		
	Line of Section 31 Tow	mship 7S Range	32E , NMPM, ROOSE	evelt County		
H.	DESIGNATION OF TRANSPORT	CER OF OIL AND NATURAL GA XX or Confignate	S Address (Give address to which approx	oved coffy of this form is to be sent)		
	Navajo Crude Oil Name of Authorized Transporter of Cas		P.O. Drawer 175, Artes Address (Give address to which appro-	bia, NM 88210 Soved copy of this form is to be sent)		
	N/A If well produces oil or liquids,	Unit Sec. Twp, P.ge.	Is gas actually connected?	hen		
	give location of tanks.	A 31 75 32E h that from any other lease or pool,	No			
IV.	COMPLETION DATA	Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Res'v. Dift. Res'v.		
	Designate Type of Completic	$n = (X) \qquad \chi$	X	X		
	Date Spuddød 12/21/77	Date Compl. Ready to Prod. 1/16/78	Total Depth 4320	Р.В.Т.Д. 4286		
	Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth		
	4438' KB, 4428' GR Perforations	San Andres	4132	4025 Depth Casing Shoe		
	4132-44', 4152-72'	TURING CASING AND	CEMENTING RECORD	4320		
	HOLESIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT		
	12 1/4"	8 5/8"	1799'	600_sx		
	7 7/8"	4 1/2"	4320'	<u>- 300 sx</u>		
۷.	TEST DATA AND REQUEST FO	able for this de	pth or be for full 24 hours)	l and must be equal to or exceed top allow-		
	Date First New Oil Run To Tanks	Date of Test 1/15/78	Producing Method (Flow, pump, gas) Flowing	lijt, etc.j		
	1/7/78 Length of Test	Tubing Pressure	Casing Pressure	Choke Size		
	24 hrs.	110 Oil-Bbis,	400 Water - Bbls.	23/64" Gas-MCF		
	Actual Prod. During Test 200 BO	200	0	95		
	GAS WELL		Bbls. Condensate/MMCF	Gravity of Condensate		
	Actual Prod. Test-MCF/D	Longth of Test	Casing Pressure (Shut-in)	Choke Size		
	Tenting Mathed (pitot, back pr.)	Tubing Pressure (Gint-in)				
.' ¥ .	CERTIFICATE OF COMPLIAN	CE		ATION COMMISSION		
	I hereby certify that the rules and a	egulations of the Oil Conservation with and that the information given	APPROVED UAN 20 1978 . 19			
	above is true and complete to the	beat of my knowledge and belief.				
	· Kishi M	Ment	This form is to be filed in	compliance with RULE 1104.		
	Richard O. Dimit (Signa	<u>deum/j</u>	I II this form must be pecome	wable for a newly dilled or deepened anled by a tabulation of the deviation arithmet with SUL® 111		
	Chief Engineer		tests taken on the well in accordance with ROUL 111. Attactions of this form must be filled out completely for allou-			
	January 17, 1978		able on new and recompleted v	veils. II. III. and VI for changes of owner, star, or other such change of condition.		
	(1)	ite)	Weit heme of humber, or tranking	·····		

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CIL CONSUMVATION COMM HORES. N. M.

		<u> </u>			1		
Form 9-331 (May 1963)		UNITED ATES MENT OF THE I		SUBMIT IN TRIPLICATE* (Other instructions on re-	Form approv Budget Bure	au No. 42-R1424.	
				verse side)		AND BERIAL NO.	
	<u> </u>	SEOLOGICAL SUR	VEY	· · · · · · · · · · · · · · · · · · ·	NM-15019		
		ICES AND REPC			6. IF INDIAN, ALLOTTE	E OR TRIBE NAME	
1.					7. UNIT AGREEMENT N.	AME	
OIL WELL GAS WELL							
2. NAME OF OPERATOR	,				8. FARM OR LEASE NAME		
SUNDANCE OIL	COMPANY				Cone Federal		
3. ADDRESS OF OPERA	for				9. WELL NO.		
Suite 510. 1	776 Lincoln	St., Denver, (0 80203		1 2		
4. LOCATION OF WELL See also space 17	(Report location c	learly and in accordance	with any State	e requirements.*	10. FIELD AND POOL, OR WILDCAT		
At surface	Jelow.)				Tomahawk San Andres		
					11. SEC., T., R., M., OR BLK. AND SUBVEY OR ABEA		
660' FNL and 1980' FWL Unit C					Southar on and	•	
					Section 31. T	. 7S., R. 32E.	
14. PERMIT NO.		15. ELEVATIONS (Show w	hether DF, RT, G	GR, etc.)	12. COUNTY OB PARISE		
		4438' KB, 44	28' GR		Roosevelt	New Mexico	
16.	Check Ap	propriate Box To Ind	licate Natur	e of Notice, Report, or C	Other Data		
NOTICE OF INTENTION TO: SUBSEQU					ENT REPORT OF:		
TEST WATER SHU	T-OFF	PULL OR ALTER CASING		WATER SHUT-OFF	REPAIRING	WELL	
FRACTURE TREAT		MULTIPLE COMPLETE		FRACTURE TREATMENT	ALTERING C	ASING	
SHOOT OR ACIDIZE		ABANDON*		SHOOTING OR ACIDIZING	ABANDONME		
REPAIR WELL		CHANGE PLANS		(011101)	TION CASING		
(Other) (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)					on Well orm.)		
17. DESCRIBE PROPOSEI proposed work, nent to this work	If well is direction	RATIONS (Clearly state all onally drilled, give subsur	pertinent det face locations	ails, and give pertinent dates, and measured and true vertice	including estimated da al depths for all marker	te of starting any 's and zones perti-	

Drilled to TD of 4320'. Ran Sidewall Neutron and Dual Laterolog. Ran 136 jts. of $4\frac{1}{2}$ " casing. Set at 4320'. Cemented w/300 sx Class C 50/50 Pozmix w/2% gel, 8# salt, 3/10th of 1% CFR-2. Plug down at 8:45 a.m. 1/2/78. PBTD 4286'. WOCU.

A LE LE LE LE LU ANTI 1979

18. I hereby certify foregoing and correct January 9, 1978 Chief Engineer TITLE DATE _ SIGNED Richard O. Dimit (This space for Federal or State office use) ACCEPTED FOR RECORD APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY: JAN 1 2 1978 U. S. GEOLOGICAL SURVE *See Instructions on Reverse Side HOBBS, NEW MEXICO

atha states.

COL CONSISTER N. M.



DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. D. BOX 2055 ROSWELL, NEW MEXICO 88201 Telephones: Artesia 505/746-6757 Roswell 505/623-5070

January 4, 1978

Sundance Oil Co. 1776 Lincoln Street Suite 510 Denver, Colorado 80204

Re: Cone Federal #2

Gentlemen:

The following is a Deviation Survey of the above well:

475'	-	$1/4^{\circ}$	2700'	-	3/40	
9351	-	1/40	32001		3/40	
1400'	-	3/40	36721	-	$1/2^{\circ}$	
15821		3/40	41001	-	$1/2^{\circ}$	
18001	-	3/40	43201			Τ.Ο.
2260'	-	1 1/4 ⁰	0 -		., _	

Yours very truly,

WEK DRILLING CO., INC.

Arnold Newkirk

STATE OF NEW MEXICO)) COUNTY OF CHAVES)

The foregoing was acknowledged before me this $\frac{4^{2d}}{4^{2d}}$ day of fanuary, 1978 by Arnold Newkirk. My Commission Expires: $\frac{4^{2d}}{1978}$ My Commission Expires: $\frac{4^{2d}}{1978}$ Notary Public

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JAN 1 9 1978

OIL CONSERVATION COMM. HOBBS, N. M.

	9-331 UNITED TES	SUBMIT IN TRIPLICATE• (Other instructions on re-	Form approved. Budget Bureau No. 42-R1424.
	DEPARTMENT OF THE INTERIO	R verse side)	5. LEASE DESIGNATION AND SERIAL NO.
	GEOLOGICAL SURVEY		NM-15019 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	(Do not use this form for proposals to drill or to deepen or plug bac Use "APPLICATION FOR PERMIT—" for such prop	k to a different reservoir	
W	IL CAS GAS OTHER	RECEIVE	CNIT AGREEMENT NAME
	GAME OF OPERATOR SUNDANCE OIL COMPANY	1978 NY 8 1978	8. FARM OR LEASE NAME Cone Federal
	DDRESS OF OPERATOR	<u> </u>	BUEL NO.
	Suite 510, 1776 Lincoln St., Denver, CO 8	0203 S. GEULOGICAL SU	<u>c</u> (<u>8</u>
s	OCATION OF WELL (Report location clearly and in accordance with any St. see also space 17 below.) It surface	ate requirements.	TO, FIELD AND POOL, OR WILDCAT
А	A surface		Tomahawk San Andres 11. SEC., T., R., M., OR BLK. AND SUBVEY OR AREA
6	660' FNL and 1980' FWL Uni	t C	Section 31, T. 7S., R. 32E
14, P	PERMIT NO. 15. ELEVATIONS (Show whether DF, R:		12. COUNTY OF PARISH 13. STATE
	4438' KB, 4428' GR		Roosevelt New Mexico
16.	Check Appropriate Box To Indicate Nat	ture of Notice, Report, or C)ther Data
	NOTICE OF INTENTION TO:	SUBSEQU	ENT REPORT OF:
	TEST WATER SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF	ALTERING CASING
	FRACTURE TREAT MULTIPLE COMPLETE SHOOT OR ACIDIZE ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
:	REPAIR WELL CHANGE PLANS	(Other) SET SURFACI	CASING XXX
	(Other)	Completion or Recompl	etion Report and Log form.)
17. р.	DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent of proposed work. If well is directionally drilled, give subsurface location nent to this work.) *	letails, and give pertinent dates, is and measured and true vertica	including estimated date of starting any all depths for all markers and zones perti-
5 1 ₂	Spudded 12¼" hole at 2:30 p.m. 12/21/77. D surface casing. Set at 1799' KB. Cemented ¼#/sx flowseal and 2% CaCl followed by 200 cement. Plug down at 11:15 p.m. 12/23/77.	w/400 sx Halliburt	on Lite w/5#/sx Gilsonite,

18. I hereby certify that the foregoing is true and correct	/	
signed	Chief Engineer	DATE December 27, 1977
(This space for Federal or State office use) APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE J	ACCEPTED FOR RECORD
*(See Instructions on Reverse Side	JAN 3 1978 O.L. U. S. GEOLOGICAL SURVEY HOBBS, NEW MEXICO

·

JANIDIS 8 JANIDIS 8 OIL CONSTRUCTION COMM. HOBBS, N. M.

Form 9-331.C (May 1963) UNITED STATES		SUBMIT IN TI CATE		• Form approved. Budget Bureau No. 42-R1425.			
		(Other instruce, 48 on reverse side)					
DEPARTMENT OF THE INTERIOR					ĺ	5. LEASE DESIGNATION AND SERIAL NO.	
	NM-14154						
APPLICATION	6. IF INDIAN, ALLOTTEE 0	B'TRIBE NAME					
APPLICATION	7. UNIT AGREEMENT NAM						
DRILL DEEPEN DEEPEN PLUG B				PLUG BAC	< 🗆	7. UNIT AGREEMENT NAS	
b. TYPE OF WELL	AS C		SINGLE	MULTIPL	s 🗌	S. FARM OR LEASE NAME	
WELL X W	ELL OTHER		20118			Cone Federal	
2. NAME OF OPERATOR						9. WELL NO.	
SUNDANCE 3. ADDRESS OF OPERATOR	OIL COMPANY					2	
3. ADDRESS OF OTENATOR	776 Lincoln St	Denver, CO	80203			10. FIELD AND POOL, OR WILDCAT	
4. LOCATION OF WELL (R	776 Lincoln St., [in accordance with	any State	requirements.*)		Tomanervili Sen Andres	
At surface		Unit C		的名词复数 机		AND SURVEY OR ARE	Δ
660 FNL and 1980 FWL Unit C						Casting 21 T	75 P 32
S Andros						Section 31, T.	13. STATE
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE						Roosevelt	New Mexic
15 ¹ / ₂ miles so	utheast of Kenna,	<u>New Mexic</u>	0 16 NO. OF	ACRES IN LEASE	17. NO.	OF ACRES ASSIGNED	THEW MEXIC
15. DISTANCE FROM PROP LOCATION TO NEARES	OSED* T		TO			10 WELL	
PROPERTY OR LEASE (Also to nearest dr	g. unit fine, ir any)			1	TARY OR CABLE TOOLS		
18. DISTANCE FROM PRO TO NUAREST WELL,		1320	4350 Ro		Rote	tary Tools	
OR APPLIED FOR, ON TI	IIS LEASE, FT.	1320	40.			22. APPROX. DATE WOR	K WILL START*
21. ELEVATIONS (Show w	nether Dr, 101, Gie, couly					On Approval	
4428.5 GL PROPOSED CASING AND CEMENTING PROGRAM							
					QUANTITY OF CEMEN	T	
SIZE OF HOLE	SIZE OF CASING				260 s	sx Econ & 100 sx Class C	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		5	4350	300 s	00 sx 50/50 Poz	
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Well will be drilled to TD and evaluated, if further evaluation is required, will log to determine if casing will be run.

	CONDITIONS OF APPROVAL				
Unless Drilling Operations have					
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Bunings (and					
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If pro zone. If proposal is to drill or deepen directionally	posal is to deepen or plug back, give data on , give pertinent data on subsurface locations	present productive zone and proposed new productive and measured and true vertical depths. Give blowou			
preventer program, if any.					
24. SIGNEDALC ALCO ALCO	UL TITLE Chief Engineer	DATH September 13, 19			
(This space for Federal or State office use)					
PERMIT NO.	APPROVAL DATE				
PERMIT SO.		APPROVED			
APPROVED BY	TITLE	AS AMENDED			
CONDITIONS OF APPROVAL, IF ANY :		SED 2 9 1977			
"APPROVAL TO FLARE GRANTED					
WHILE DRILLING AND TESTING."	*See Instructions On Reverse Side	BERNARD MOROZ ACTING DISTRICT ENGINEER			
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	CE OIL COMPANY	wnship	Cone-Fed	eral	2
C Se	31	7 South	32 East	Roosevelt	5
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660 t	Producting Ecrevity	orth line mit	1980	tere vest	line Denti attest Algoriga
4428.5	JAN.	ANDRES	UNDESIGNATED		40 A 10
1. Outline the	acreage dedicated	to the subject well	by colored pencil or	hachure marks on th	e plat below.
Interest and 3 If more than dated by com 	royalty). one lease of differ imunitization, uniti No If answe "no," list the own ecessary.) will be assigned to	ent ownership is de zation, force-pooling er is "yes?" type of o ers and tract descry o the well until all u	dicated to the well, h a, etc? consolidation ptions which have as t nterests have been as	nave the interests of builty been consolida onsolidated (by com	ereof (both as to workin all owners been consoli ted (Use reverse side c sumitization, unitization approved by the Commis
Sion.					CERTIFICATION ertify that the information con ein is true and complete to th
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	l			Chief En	gineer
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	l l			Septemb	er 13, 1977
		E The		I hernby shown on notes of a under my is true a	er 13, 1977 certify that the well laratio this plat was plotted from fiel initial surveys made by me o supervision, and that the sam ad correct to the best of m and beliet

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1201-100

OIL CONSERVATION COMM.

Attachment to Form 9–331 C Application for Permit to Drill

Sundance Cil Company, [#]2 Cone Federal 660' FNL and 1980' FWL of Section 31, T. 7S., R. 32E. Roosevelt County, New Mexico

- 1. The geologic name of the surface information is Triassic red beds overlain by wind blown sands.
- 2. The estimated tops of important geologic markers are as follows:

1750'
1790'
2180'
3310'
4020'
4100'
4220'

3. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations will be encountered are as follows:

Ogalala	150' water
Salado	1790' salt
San Andres	3310' oil and gas
P-1	4020' oil and gas
P-2	4220' oil and gas

4. The proposed casing program is as follows:

Surface - New 8 5/8", 28 lb/ft., ST&C, Secondary 45 (J&L). Production - New 4¹/₂", 10.5 lb/ft., ST&C, K-55 and 11.6 lb/ft., ST&C, JCW-36 (J&L).

5. A sketch of an API Series 900 Blowout Preventer is attached. Pipe rams and blinds will be checked to 1,000 PSI for 30 minutes when BOP is installed. BOP will be checked when casing is set and operated daily for checks.

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6. The proposed mud program is as follows:

0-1800' spud mud	8.5 - 9.0 lbs./gal.
1800–3800' native mud	9.0 - 9.5 lbs./gal.
3800' to TD salt gel	9.0 - 10.0 lbs./gal.

Attachment to Form 9-331 C Application for Permit to Drill #2 Cone Federal Page Two

7. The auxiliary equipment to be used is:

- (1) Kelly cocks.
- (2) Floats at the bit.
- (3) Stabbing value on rig floor with sub to fit drill pipe.

8. It is proposed to run 2" and 5" GR, CNL, FDC, DLL/MLL Logs from TD to 1800'.

- 9. No abnormal pressures or temperatures are expected to be encountered in this well.
- 10. The anticipated starting date for this well is December 1, 1977. Estimated duration of drilling operations is 10 to 12 days.

SUNDANCE OIL CO. P.O. BOX 115 Roswell, N.M. 88201 September 19, 1977

USGS PO Box 1157 205 N. Linam Street Hobbs, NM 88240

> Re: Agreement with Surface Landowner - Sundance Oil Co. #2 Cone Fed., Sec. 31-T7S-R32E, 660' FN & 1980' FWL Roosevelt Co., NM

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Dear Sir:

This is to certify that in regard to captioned well, Sundance Oil Co. has an agreement with the surface owner in regard to the surface restoration.

If this well is completed as a producing well, the pits are to be filled and covered and the location cleaned of all trash and junk in order to leave the wellsite in an aesthetically pleasing condition. Prior to the filling of the pits any unguarded pit containing fluid will be fenced.

If the well is completed as a dry hole and plugged and abandoned, pits will be covered, location cleaned of all trash and junk. The road will remain in place. The drilling pad will either remain or be ripped at the landowner's option.

Sincerely.

Jim A. Akin Field Superintendent Permian Basin Area

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SURFACE USE PLAN

Sundance Oil Company: Cone Federal #2 660' FNL and 1980' FWL of Section 31, T. 7S., R. 32E. Roosevelt County, New Mexico

This plan is to accompany "Application for Permit to Drill" the subject well which is located approximately $15\frac{1}{2}$ miles SSE of Kenna, New Mexico. The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the well may have on the environment of the well and road sites and surrounding acreage.

1. Existing Roads

- A. The proposed well site is 660' FNL and 1980' FWL of Section 31, T. 7S., R. 32E., Roosevelt County, New Mexico.
- B. Exhibit "A" is portion of a map showing existing roads with directions to the location from Kenna, New Mexico. The route to the location is marked in red along side of roads to be used. The well location is approximately 15¹/₂ miles SSE of Kenna, New Mexico.
- C., D., & E. Access roads are shown on Exhibit "A".
- F. No improvement or maintenance is anticipated for the existing roads.

2. Planned Access Roads

- A. A road will be required. It will be approximately 1300' due south from Chambers Federal #2 and 1300' due west to the location.
- B. Turnouts: None.
- C. Drainage Design: New road will have a drop of 6 inches from center line on each side.
- D. Culverts, Cuts and Fills: Culverts none. The location and pits will be constructed as shown on Exhibit C. Maximum cut will be 3' on the east and maximum fill will be 3' on the west of the location, other than leveling sand dunes.
- E. Surfacing Material: Six inches of caliche, bladed, watered and compacted.
- F. Gates, Cattleguards, Fences: None.
- G. The proposed road is existing.
- 3. Location of Existing Wells
 - A. See Exhibit B.

4. Location of Existing and/or Proposed Facilities

- A. There is an existing tank battery with production facilities and lines owned by the lessee/operator on this lease.
- B. If commercial production is established, facilities and lines will be connected to the existing battery. Pads for equipment will be made with caliche. Facilities will be fenced and/or covered to protect livestock and wildlife.
- C. All unused areas disturbed by construction will be restored to natural terrain profile after construction is completed.

5. Location and Type of Water Supply

- A. Water will be obtained from well at Kenna and/or Crossroads.
- B. Water will be transported by truck.

6. Source of Construction Materials

A. Caliche will be obtained from a pit in Section 7, T. 7S., R. 32E. Fee minerals owned by F. P. Southard.

7. Methods for Handling Waste Disposal

A. Waste Disposal – well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit C for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted to the survey for appropriate approval.

8. Ancillary Facilities

None.

- 9. Well Site Layout
 - A. Exhibit C shows the relative location and dimensions of the well pad, mud pit, reserve pit, trash barrel, etc. The reserve pit will be lined with plastic. The pad and pits are staked.

10. Plans for Restoration of Surface

A. Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion Surface Use Plan Cone Federal [#]2 Page Three

> equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

11. Other Information

A. Terrain: Low rolling sand hills.

B. Soil: Sandy.

- C. Vegetation: Scrub oak, bear grass and very sparse vegetation.
- D. Surface Use: Grazing.
- E. Ponds and Streams: None within one mile.
- F. Water Wells: One mile northwest of location.
- G. Residences and Buildings: Three miles northwest of location.
- H. Arroyos, Canyons, Etc.: Caprock escarpment approximately one mile west of location.
- I. Well Sign: Sign identifying and locating well will be maintained at drill site with the spudding of the well.
- J. Open Pits: All pits containing mud or other liquids will be fenced.
- K. Archaeological Resources: None observed.

12. Lessee's or Operator's Representative

Richard O. Dimit Sundance Oil Company Suite 510, 1776 Lincoln St. Denver, CO 80203
 Business phone:
 (303) 825-7657

 Home phone:
 (303) 841-4592

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by SUNDANCE OIL COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

C. Mein

Chief Engineer

Date

April 21, 1977

AGREEMENT

Sundance Oil Co. agrees to pay \$100.00 each time they cut and set a cattle guard in the fence line.

Sundance Oil Co. agrees to pay \$4.00 a rod for new roads and \$750.00 for each well site location, \$250.00 for a tank battery pad built between locations and \$1.00 a rod for pipeline not laid beside road right-of-ways. \$3.00 a rod for pipeline right-of-way that have to be built or made by a tractor or motor grader.

This agreement is payable only to Sec. 30 & 31, Twn. 7S, Rge. 32E, which is Fee surface.

Caliche to be hauled from pit in Sec. 7, Twn. 7S, Rge. 32E. Price on yardage will be paid directly from Sundance Oil Co.

William

William N. Morgan Representative of Sundance Oil Co.

Frank P. Southard Land Owner





Cone Federal #2 Proposed Roads

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BLOWOUT PREVENTER & CHOKE MIMIFOLD API 3M- SHID-RdS FLOW LINE INF ADJUSTABLE BLIND RANS CHOKE TO AUD PIT PIPE RAMS \bigcirc DRILLING 2" TO MUD PIT г" PIT KILL LINE CASING HANGEH BLIND FLANGE TO TO RESERVE ADJUSTABL PIT . CHOXE

SUNDANCE OIL CO. P.O. BOX 115 Roswell, N.M. 88201 September 19, 1977

USGS PO Box 1157 205 N. Linam Street Hobbs, NM 88240

> Re: Agreement with Surface Landowner - Sundance Oil Co. #2 Cone Fed., Sec. 31-T7S-R32E, 660' FN & 1980' FWL Roosevelt Co., NM

Dear Sir:

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If the well is completed as a dry hole and plugged and abandoned, pits will be covered, location cleaned of all trash and junk. The road will remain in place. The drilling pad will either remain or be ripped at the landowner's option.

Sincerely,

Jim A. Akin Field Superintendent Permian Basin Area

JAA:ss

U. S. Geological Survey

HOBBS DISTRICT

Sundance Oil Company No. 2 Cone Federal NE氧NW¼ sec. 31-7S-32E Lea County, N. M.

Above Data Required on Well Sign

CONDITIONS OF APPROVAL

- 1. Drilling operations authorized are subject to compliance with the attached General Requirements for Drilling Operations on Federal Oil and Gas Leases, dated January 1, 1977.
- 2. Notify this office (telephone (505) 393-3612) when the well is to be spudded and in sufficient time for a representative to witness all cementing operations. Attached are names and telephone numbers of Geological Survey and Bureau of Land Management personnel who are available for consultation during construction, drilling, completion, and rehabilitation activities.
- 3. Immediate notice is required of all blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life.
- 4. Secure prior approval of the District Engineer for variance from the approved drilling program and before commencing plugging operations, plug-back work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely.
- 5. Blowout prevention equipment is to be installed, tested, and in working order before drilling below the surface casing and shall be maintained ready for use until drilling operations are completed.
- 6. Operations must be in compliance with the provisions of the landowner agreement concerning surface disturbance and surface restoration.
- 7. 8-5/8" surface casing should be set in the Rustler Anhydrite formation and cement circulated to the surface. If surface casing is set at a lesser depth, the $4\frac{1}{2}"$ casing must be cemented from the casing shoe to the surface or cemented to the surface through a stage tool set at least 50 feet below the top of the Rustler, after cementing around the shoe with sufficient cement to fill to the base of the salt section.
- 8. For the protection of livestock and wildlife all pits containing toxic liquids will be fenced and covered with a fine mesh netting (i.e., Hardware Cloth) with openings being 1/2 inch or less.

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COUNTY ROOSEVELT HILD	Tomahawk		STATE NM	id Repris der
OPR SUNDANCE OIL CO.			the second	041-204
NO 2 LEASE Cone Federal			MAP	741-204
Sec 31, T7S, R32E				
660' FNL, 1980' FWL (of Sec		10-OKD	7
18 mi SW/Elida		SPD 12-21	2-1- -77 CMP 1-15	-7 NM
8 5/8" at 1799' w/600 sx 4 1/2" at 4320' w/300 sx	WELL CLASS: FORMATION	DATUM	INDO ELEV FORMATION	DATUM
IP (San Andres) Perfs 4132- 24 hr test thru 23/64" chk. TP 110#	72' E 200	(SADR) BOPD. P	PBD 4286' ot based on	
TP 110#	GOR 475;	gty (NR); CP 400#;	

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2-4-78	F.R. 10-3-77 (San Andres) AMEND FIELD: Formerly reported as Undesignated
1-17-78	ID 4520; WUC
1-30-78	TD 4320'; PBD 4286'; Complete
	Perf (San Andres) 4132-44', 4152-72'
	Natural
	LOG TOPS: Rustler 1774', Salado 1822',
	Yates 2176', San Andres 3331', Pi Marker 3884'
2-4-78	COMPLETION ISSUED
7-29-78	RE-ISSUE TO CORRECT GOR & TO ADD LOG TOPS:
	Formerly reported as (NR)

2-1-7 NM IC 30-041-70014-77

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IP (San Andres) Perfs 4132- 24 hr test thru 23/64" chk. TP 110#	-72' F 200 B GOR (NR);	OPD. Po gty (NR	t based on); CP 400#;	
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2-4-78 1-17-78 1-30-78	F.R. 10-3-77 (San Andres) AMEND FIELD: Formerly reported as Undesignated TD 4320'; WOC TD 4320'; PBD 4286'; Complete Parf (SADD) (122) (()
2-4-78	Perf (SADR) 4132-44', 4152-72' Natural COMPLETION ISSUED

2-1-7 NM IC 30-041-70014-77