DISTRIBUTION	5	NEW	MEXICO DIL CONSE	ED RVATION COMMISS	ION	30-01 Form C-191 Revised 1-1-	15-22320
LE	/ 		OCT 13 19	77			e Type of Lenne
AND OFFICE PERATOR			O.C.C	FIČE		.5, State Ci	& Grs Lease No.
APPLICAT	ION FOR PE	RMIT TO	DRILL, DEEPEN,				
Type of Work DRILL	x		DEEPEN	PLU	IG BACK	-	scoment Some
Type of Well OIL GAS WELL WELL	 				MULTIPLE [8, term or	Leuse Home Idson
Marr 1 Marr 1	<u> </u>	· A		TONE (A)	ZONE	9. Well No.	
Amoco Product	tion Compar	าง		× • • • • • • • • • • • • • • • • • • •		1	
P. O. Drawer		and, Tex	(as 79336		· · · · · · · · · · · · · · · · · · ·		nd Fsei, or William Cat-Morrow
Location of Well UNIT LE	TYER G	1.00	1980 ,	FEET FROM THE Nort	n	LINE ()	
, 1650 FEET FE	ом тне Eas	<u> </u>	E OF SEC. 23	7W.P. 23 RGE.	28	MPL:	
						12. County Eddy	
				19, Proposed Depth		row	20. Hotory or C.1: Rotary
2995.5 GR.	11F, RT, etc.)		s Status Plug. Frond nket-On File	Brahaney Dr			ober 21, 1977
		P	ROPOSED CASING AN	D CEMENT PROGRAM	•		
SIZE OF HOLE	SIZE OF		WEIGHT PER FOOT	SETTING DEP	TH SAC	KS OF CEMENT	EST. TOP
17½"		3/8"	48# 36#	6400		rculate	Surface
12½" 8½"	5	5/8"	14-15.5#	13,300'		rculate eback to 9	Surface 5/8" casing
Propose to dri and stimulatin Mud Program -	og as neces 0 - 400'- 6400'-	400' 6400' 11,600'	 Native mud a Native mud a Brine water maintain good Cut brine wa 	and fresh wate and brine wate and low solid od hole condit	r r l non-d ions. CL wat	ispersed mu er w/suffic s. ABBBG	id to cient mud
BOP Program at						COR 901	DAYS UNESS COMMENCED,
Gas is not com	ant cced.			,		EXPIRES 2	
ABOVE SPACE DESCRIBE	PROPOSED PRO	OGRAM: IF F	PROPOSAL IS TO DEEPEN C	OR PLUG BACK, GIVE DATA	A ON PRESE	_	
rely certify that the inform			lete to the best of my k	nowledge and belief.		······································	
a Kay W.	Cox		ruleAdmir		istant	Date 10-1	2-77
HOVED BY W. A.	Gress	et		RVISOR, DISTRIC			OCT 1 8 1977

0 & 4 - NMOCC - Art 1 - Div

N MEXICO OIL CONSERVATION COMMIS N WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section

4 eraior				Lease		• .		Well No.
Ar	noco Productio	n Compai	ny		A.R. Do	naldson		
"net ! eller	Section	Township		Roma	e	County		5
G	23		23 South		28 East		Eddy	
Actual Facinge Loc						-	,	
1980		North	lane candi	165	50 ,	et Irom the	East	line
Ground : gvel Elev.	Producing For			Pool				Dedicated Acreage: 5
2995.5	Morro			(4)11	DCAT			320 A-7013
						- L - I		
1. Outline th	ie acreage dedica	ted to the	subject we	ell by col	tored beneil o	or hachure	marks on th	e plat below.
	_				,			
		dedicated	to the well	, outline	each and ide	entity the	ownership th	nereof (both as to working
interest s	nd royalty).			•		,		
					to the well,	have the	interests of	all owners been consoli-
duted by o	communitization, u	ınitization	, force-pooli	ng. etc?	Amoco au	sue In	7	ell leases.
[] Yes	No If a	nswer is '	'yes'' type o	1 consoli	dation			
4_								•
		owners an	d tract desc	riptions :	which have a	ctually be	en consolida	ited. (Use reverse side of
	f necessary.)					·		
No allowal	ble will be assign	ed to the v	vell until all	interest	s have been	consolida	ted (by com	munitization, unitization,
								approved by the Commis-
sion.	-			-				
							<u> </u>	
	ı			A			1	CERTIFICATION
	1		<u> </u>			}		
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AMOCO	-100%		ł ·		1	•	STACE	ASSISTANT (SE)
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POUR	A (11)				1	-10012	1 .	
ROYALTY	OWNERSHIP)	i	ł _.	ł	1	
AMOCO		875	7		l.	{	I hereby	certify that the well location
		015625	} '		ERB		shown on i	this plat was platted from field
· ·		015625	.:/	C. 14	*****		notes of a	octual surveys made by me or
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1. Alliest of Contact		_		_					9. Well No.		
P.O. Drawer	Α,	Le	velland,	Texas 7993	6	. O. C. I]]		
4. Legation of Well						ARTESIA, U	PPICE		10. Field and	Pool, or Wilder	:1
G			1980	LET FACH THE NO	rth .	INC AND 1650	1		Wildcat-	Morrow	
UNIT LETTER				LET FACH THE	<u> </u>	INC AND	/ r	ET FROM	777777	11111111111	(770,07
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		////	/////	Elevetton (Show w	kether DP, t	RT, GR, etc.)		•	12. County		
	\overline{H}		77/7/	2995.5 GR					Eddy		<u> </u>
16.	Che	ck /	lepropriat	e Box To Indica	ate Natur	e of Notice	Report	or Oth	er Data		
NOTE			TENTION		1	c or Morrice	•		REPORT C	·	
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Price Proposed of Co work) SEE RULE 1103. Operations	comm	ence	ed 11-1-1	orly state all pertine	nt details, o	other	ant dates, i	neludius	und level	and	- L
OTHER 17. Describe Proposed of Consert/ SEE RULE 1103. Operations cement w/5	comm	ence	ed 11-1-1 ready m	77. Set 40'	of 20" of	other and give pertine conductor	34' bel	neludius OW Gro	und level	and at	E
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DELTA DRILLING COMPANY

Box 2012 Telephone 214 595-1911

JAN 26 1978

TYLER, TEXAS 75710

a. c. c. ARTESIA, OFFICE January 24, 1978

New Mexico Oil Conservation Commission Drawer DD Artesia, New Mexico 88210

> RE: Report of Blowout South Culebra Bluff No. 1 Well Eddy County, New Mexico

Gentlemen:

This letter will confirm the prior notification given to Mr. Bill Gressett (Artesia office) and Mr. Dan Nutter (Santa Fe office) on January 4, 1978, concerning the blowout and subsequent fire at the Delta Drilling Company South Culebra Bluff No. 1 Well located 1980' FNL and 1650' FEL of Section 23, T23S, R28E, NMPM, Eddy County, New Mexico.

The South Culebra Bluff No. 1 Well was spudded by Amoco Production Company on November 6, 1977, pursuant to a Drilling Contract between Amoco Production Company, as Operator, and Brahaney Drilling Company, Inc., whose address is P. O. Box 1694, Midland, Texas, 79701, as Drilling Contractor.

On November 17, 1977, at 12:00 noon, Delta Drilling Company assumed operation of the well at a depth of approximately 4400' below the surface. Rig No. 7 of Brahaney Drilling Company, Inc. continued the drilling of such well until January 3, 1978, on which date such well, at a depth of 11,769' below the surface, encountered a gas kick, blew out and subsequently caught fire.

Operations for the drilling of a relief well and efforts to gain control of the well at the surface were commenced immediately. Control equipment has been installed on the wellhead and at present gas is being flared through two lines. Arrangements have been made to sell such gas to El Paso Natural Gas Company pursuant to an emergency gas sales contract, and it is anticipated that deliveries of such gas will be commenced on or about January 25, 1978.

Additional information concerning such well is being furnished to the New Mexico Conservation Commission pursuant to your forms C-103 and C-104.

Very truly yours,

cc: New Mexico Oil Conservation Commission P. O. Box 2088 Land Office Building Santa Fe, New Mexico 87501

Carl B. Haskett Mgr. Corporate Engineering and Research

DRILLING AT 11,769 FEET, A HIGH PRESSURE GAS ZONE WAS ENCOUNTERED. BOP AND HYDRIL WERE CLOSED AND KICK WAS BEING CIRCULATED OUT WHEN THE AUTOMATIC CHOKE FAILED FOR REASONS UNKNOWN AT THIS TIME, ALLOWING THE FULL PRESSURE TO ENTER SEPARATOR.

The separator was unable to handle the full pressure and subsequently failed, which in turn disabled the choke and kill manifold. At this time the well was still unloading water and gas. The rig crew stated that they were unable to reach any of the four valves going to the manifold from the BOP to shut the well in. The crew then left the location for a place of safety. The well continued to blow gas and condensate until approximately 5:10 A.M. the following morning, at which time it ignited itself.

RECEIVED

EXHIBIT 3

CHRONOLOGICAL REPORT OF OPERATIONS

JAN 26 1978

DELTA DRILLING COMPANY

O. C. C.

SOUTH CULEBRA BLUFF NO. 1

24 hours ending midnight

DATE	DEPTH	ACTIVITY
11/ 1/77		Set 40' of 20" conductor 34' below gound level and cemented with 5 cubic yards ready mix. Rigging up Brahaney Drilling Company Rig No. 7. Amoco is Operator.
11/ 2/77		Rigging up.
11/ 3/77		Rigging up.
11/ 4/77		Rigging up.
11/ 5/77		Rigging up.
11/ 6/77	3001	Red bed. Spudded 8:30 A.M. 11/6/77. Mud 8.6#.
11/ 7/77	418'	Waiting on cement. Drilled to 418'. Ran 13 3/8" casing to 418'. Cemented with 500 sacks Class C plus 2% CaCl. Plug down 3:00 P.M. 11/7/77. Circulated 160 sacks to surface. Mud 8.6#/gallon.
11/ 8/77	418*	Nippling up. Tested Blowout Preventer to 800 PSI.
11/ 9/77	1,111'	Drilling. Anhydrite Brine.
11/10/77	1,580'	Drilling. Anhydrite.
11/11/77	2,415'	Drilling. Anhydrite and Salt. Brine.
11/12/77	. 2,7401	Drilling. Anhydrite and gypsum. Brine.
11/13/77	2,949'	Fishing. Sand and Anhydrite. Twisted off while drilling at 2,949'. Ran overshot. Recovered 1 joint pipe, 17 drill collars and bit. Brine.
11/14/77	3,235'	Drilling. Shale and lime. Brine.
11/15/77	3,493'	Drilling. Shale and lime. Brine.
11/16/77	3,735'	Drilling. Lime and shale. Brine.

Exhibit 3

DATE	DEPTH	ACTIVITY
11/17/77	4,162'	Drilling. Lime and Shale. Brine. Delta Drilling Company assumed operations at noon on 11/17/77.
11/18/77	4,625'	Drilling. Lime and Shale. Brine.
11/19/77	4,8831	Drilling. Shale, Lime and Chert. Brine.
11/20/77	5,142'	Drilling. Shale, Chert and sand.
11/21/77	5,240'	Fishing. Drilled to 5,240'. While pulling out of the hole pipe parted leaving 37 joints drill pipe, 15 drill collars and shock sub in hole. Ran overshot. Unable to work fish. Ran free point to 3,752'. Brine.
11/22/77	5,240	Backed off second drill collar. Pulled 55 joints pipe hung up. Worked pipe in key seat. Brine.
11/23/77	5,240'	Working pipe. Brine.
11/24/77	5,240'	Ran free point. Found overshot sticking in tight spot at 1,900'. Went back to bottom and backed off drill pipe 1 joint above overshot at 3,590'. Pulled out of hole. Picked up 9 drill collars. Going in hole with reamers and key seat wiper. Brine.
11/25/77	5,240"	Reamed hole from 815' to 1,900'. Brine.
11/26/77	5,240'	Reamed hole to top of fish. Ran overshot and jars. Engaged fish. Pulling out of hole. Brine.
11/27/77	5,2401	Laid down 5 1/2" drill pipe. Picked up 4 1/2" drill pipe. Jar on fish. Pulled out of hole. Recovered part of shock sub. Back in hole to top of fish. Brine.
11/28/77	5,240'	Fishing. Mixed 10#/gallon 36 second viscosity mud. Circulated. Pulled out of hole. Picked up wash pipe and jars. Trip in hole washed 36' over fish. Mud 10#/gallon
11/29/77	5,240'	Fishing. Jarred on fish. Trip out of hole. Recovered drill pipe and drill collar fish. Washed and reamed to bottom. Circulated. Pulled out of hole to pick up magnet. Mud 10#/gallon.
12/ 1/77	5,240'	Going in hole. Picked up magnetic tool, went in hole to recover bit cone. Trip out of hole. Recovered cone. Trip back in hole with bit to drill. Mud 10#/gallon.

Exhibit 3

DATE	DEPTH	ACTIVITY
12/2/77	5,400'	Drilling. Shale and Chert. Finished in hole. Resumed drilling. Brine.
12/ 3/77	5,685'	Drilling. Shale and Sandstone. Brine. 10.1#/gallon.
12/ 4/77	5,910'	Drilling. Sale and sand. Brine. 10#/gallon
12/ 5/77	6,185'	Drilling. Sale and sand. Brine.
12/ 6/77	6,355'	Preparing to log. Drilled to 6,355' circulated 4 hours. Pulled out of hole. Brine.
12/ 7/77	6,355'	Ran Gamma Ray Sonic with caliper, Gamma - DLL with MSFL from surface casing to Total Depth. Trip in hole with key seat wiper. Circulating preparing to run casing. Brine.
12/ 8/77 •	6,355'	Pulled out of hole. Laid down drill collars. Rigged up to run 9 5/8" casing. Brine.
12/ 9/77	6,355'	Ran 157 joints 9 5/8" casing. Cemented in two stages. First stage: 765 sacks Halliburton Light with 1 1/4# Flo-Cel, and 300 sacks Class C. Plug down 3:00 A.M.
		with 1300 PSI. Opened DV tool at 2,875. Circulated approximately 25 sacks out on first stage. Cemented second stage with 1540 sacks Halliburton Light with 1/4# Flo-Cel, 3# Gilsonite, and 8# Salt per sack. Tail in with 100 sacks Class C. Plug down 9:20 A.M. with 2000 PSI. Closed tool. No cement back to surface. Rigged up and rail down annulus. Found cement top 40' from surface. Cement down 1" with 30 sacks Class C neat.
12/10/77	6,355'	Nippling up BOP.
12/11/77	6,388'	Drilling. Shale and sand. Nippled up BOPs. Went in hole to DV tool. Tested Blowout Preventer with 1800 PSI. OK. Drilled plugs. Brine.
12/12/77	6,518'	Drilling. Shale and sand. Brine.
12/13/77	6,890'	Drilling. Shale and sand. Brine.
12/14/77	6,956'	Circulating for drill stem test. Brine, 9.7#/gallon.
12/15/77	6,956'	Made DST #1, 6,900'- 6,956'. Opened 8:05 A.M. No flow to surface. Tool opened 15 minutes. No gas to surface. Recovered 140' drilling mud. Initial hydrostatic 3505 PSI Initial flow 30 PSI. Initial shut-in 3500 PSI. Final flow 42 PSI. Final shut-in 3501 PSI. Final hydrostatic 3508 PSI. Pulled DST tool. Back in hole with bit to drill Brine.

DATE	DEPTH	ACTIVITY
12/16/77	7,395'	Drilling. Lime. Brine 9.8#/gallon.
12/17/77	7,580'	Drilling. Lime. Brine.
12/18/77	7,830	Drilling. Lime.
12/19/77	7,987'	Drilling. Lime. Brine.
12/20/77	8,222'	Drilling. Lime. On trip out of hole at 7,987' tested Blowout Preventers to 5000 PSI. Tested Hydril to 2000 PS Tested Kelly-cock to 5000 PSI. Resumed drilling. Brine.
12/21/77	8,566'	Drilling. Lime. Brine.
12/22/77	8,955'	Drilling. Lime and Shale. Brine.
12/23/77	9,335'	Drilling. Lime and Shale. Brine.
12/24/77	9,391'	Shut down for Christmas. Drilled to 9,391'. Pulled out of hole. Shut down for Christmas. Brine.
12/25/77		Shut down for Christmas.
12/26/77	9,455'	Drilling. Lime and Shale. Brine.
12/27/77	9,885'	Drilling. Lime and Shale. Brine.
12/28/77	10,241'	Drilling. Lime and Shale. Brine.
12/29/77	10,690'	Drilling. Lime and Shale. Brine 9.7#/gallon.
12/30/77	11,030'	Drilling. Lime and Shale. Brine.
12/31/77	11,327'	Drilling. Lime and Shale. Brine.
1/ 1/78	11,410'	Drilling. Lime and Shale. Brine 10#/gallon.
1/ 2/78	11,655'	Drilling. Lime and Shale. Brine 10#/gallon.
1/ 3/78	•	Report destroyed in blow-out
1/ 4/78	11,769'	Drilled to 11,769'. Well kicked. Picked up and closed Rams and Hydril. Started pumping at 500 PSI. Well blew out through choke line. Blowing gas at about 11:00 A.M. c 1/3/78. Now on fire.

DATE	DEPTH	ACTIVITY
1/ 5/78	11,769	Burning out of control. Derrick fell at 8:12 A.M. Got 2 bulldozers and pulled butane tank, trailer house, and pipe rack off location. Continuing setting frac tanks at hauling mud. Adair crew arrived on location at 3:00 P.M. 1/4/78.
1/ 6/78	11,769'	Burning out of control. Building dirt tanks, field shiel and gathering equipment.
1/ 7/78	11,769'	Burning out of control.
1/ 8/78	11,769'	Burning out of control. Moving debris.
1/ 9/78	11,769'	Moved derrick and substructure away from hole. Preparing to remove BOP. Still burning out of control.
1/10/78	11,769'	Finished removing debris around wellhead. Shot rotary table and kelly at top of Hydril. Pulled kelly out of fire. Now rig up to shoot off BOP at mud line cross.
1/11/78	11,769'	Rig up 400# Nitro, blew BOP and wellhead equipment off. Charge blew fire out. Moved in bulldozer to dig trench around well. Preparing to install slip on wellhead. Wel still blowing.
1/12/78	11,769'	Digging trenches around wellhead. Making preparations to dress off 13 3/8" and 9 5/8" casing before installing new slip on wellhead equipment. (Still blowing).
1/13/78	11,769'	Installing bradenhead assembly to Adair's specifications. Leveling location and preparing to install BOP relief lines and choke manifolds.
1/14/78	11,769'	Installed BOPs and laid relief lines. Closed kelly rams, turned annulus to flare through 4 1/2" line. Pressure on BOP stack 225#. Re-ignited gas in flare line.
1/15/78	11,769'	Installed tubing spool and blind ram BOP. Laid 2 1/2" relief line, closed blind rams. Diverted flow from kelly to flare. Released Adair crew.
1/16/78	11,769	Preparing to install choke manifold.
1/17/78	11,769'	Installed choke manifold and lines. Rig up mud tanks and mud mixing plant. Preparing to test well.

DATE	DEPTH	ACTIVITY
1/18/78	11,769	Flowed well through dual choke manifold on 3/4", 5/8" 1/2" and 1/4" chokes to take pressure readings for production calculations. Took gas sample and fluid sample to be analyzed. Continuing to install mud tanks - mixing plant and automatic choke manifold.
1/19/78	11,769	Making preparations to tie well into El Paso Natural Gas pipeline.
1/20/78		Preparing to lay 3,800' of line to El Paso Natural gas

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DISTRIBUTION	NEW MEXICO OIL CONSER	Ë.E.F.LV.E.	. 4	Supersedes Old C-102 and C-103	
NTA FE	NEW MEXICO OIL CONSER	TATION-COMMISSIO	1	Effective 1-1-65	
E// \/		•			
· .5.G.\$.	· -	JAN 26 1978	1	ndicate Type of Lease	15000
LAND OFFICE			L		•• XX
OPERATOR	:	C. C. C.	5. S	tate Oil & Gas Lease No	
	·	APTER CONTRACTOR		T	
SUNDRY N	OTICES AND REPORTS ON W	ELLS OFFICE			IIIII
USE "APPLICATION F	OR PERMIT -" (FORM C-101) FOR SUCH F	i to a different reserv roposals.)	101A.		
• —			7. U	nit Agreement Name	
WELL SAEL XX	OTHER-		So	uth Culebra	Bluff
, Name of Operator	,			arm or Lease Name	
DELTA DRILLING COMPA	NY 🗸		So	uth Culebra	Bluff
, Address of Operator			9. W	ell No.	
P. O. Box 866, Odess	a, TX 79760			1	
. Location of Well			10.	Field and Pool, or Wilde	at
UNIT LETTER G 198	O FEET FROM THE North	1650	Wi	ldcat	
UNIT LETTER	PEET FROM THE	LINE AND	FEET FROM	mmmm	m
East	23 TOWNSHIP 23S	281			
THE LINE, SECTION	TOWNSHIP 200	RANGEZOI	3 NMPM.		
mmmmm	15. Elevation (Show whether DF	RT. GR. etc.)	12. (County	HHH
	2995.5 GR		Ede		//////
				<u> </u>	77777
	ropriate Box To Indicate Nat	ure of Notice, Re	port or Other D	ata	
NOTICE OF INTE	NTION TO:	SUI	SSEQUENT REI	PORT OF:	
					
PERFORM REMEDIAL WORK	PLUG AND ABANDON	EMEDIAL WORK		ALTERING CASING	
TEMPORABILY ABANDON	(OMMERCE PRILLING OPNS	. 🔲	FLUG AND ABANDONS	MENT []
PULL OR ALTER CASING	CHANGE PLANS XX C	ASING TEST AND CEMENT	108		
		OTHER	·		🗆
OTHER					
 Describe Proposed or Completed Operati work) SEE RULE 1103. 	one (Clearly state all pertinent details	, and give persinent das	es, including estime	ited date of starting any	proposed
Temporary open hole	completion 6355 Ft.	to T. D. Ci	rcumstance	es compelled	
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alteration of origina	al casing plan. We	anticinate	this condi	tion to lest	-
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. I hereby certify that the information above	e is true and complete to the heat of a	v knowledge and half-f			
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INED TO THE TOTAL OF THE TOTAL	Mana Mana	ger of Produ	iction ,	TE January 26	<u>, 197</u>
W. M. Greenwell.	Jr.				
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for a Period not to speed & months

WELL LC ATION AND ACREAGE DEDICATION PI

Copyto Ste Bom C-102 Supervides (-128 L 4565 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Delta Drilling Company -	South Culebra Bluff Unit Well No.
	3 South 28 East Eddy
Actual Costage Location of Well: 1980' feet from the North	tine and 1650 to test tion the East time
2995.5 GR Producing Formation Atoka	Wildcat Dedicated Acreage: 320
1. Outline the acreage dedicated to the	subject well by colored pencil or hachure marks on the plat below.
If more than one lease is dedicated interest and royalty).	o the well, outline each and identify the ownership thereof (Bulfasto Enking E
3. If more than one lease of different own dated by communitization, unitization,	U. C. G.
XX Yes No If answer is "ye	s,' type of consolidation Unitization ARTERIA. OFFICE
this form if necessary.) No allowable will be assigned to the we	Il until all interests have been consolidated (by communitization, unitization, on-standard unit, eliminating such interests, has been approved by the Commis-
	CERTIFICATION
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Manager of Production
	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.
	Date Surveyed
	Registered Professional Engineer and/or Land Surveyor

OIL CONSERVATION COMMISSION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

NOTICE OF GAS CONNECTION	DATE 1/26/78	
This is to notify the Oil Conservation gas from the Delta Drillin	tion Commission that connection for th	e purchase
Culebra Bluff Unit ,	#1 G 23-23-28	
LEASE	WELL & UNIT S.	T.R.
Wildcat - Atoka ,	El Paso Natural Gas Company	
POOL	NAME OF PURCHASER	
as made on January 26, 1978	24853	•
	SITE CODE	
·		
REBEIVED	El Paso Natural Gas Co.	
	PURCHASER	
JAN 30 1978 D. C. C. ARTEBIA. OFFICE	Trans R. Ellia	#
▼ Kateron.	REPRESENTATIVE Gas Production Status Analyst TITLE	

. TRE:bl

cc: Operator

Cil Conservation Commission - Santa Fe

H. P. Logan T. J. Crutchfield

Proration

File

	SANTA FE // FILE // FUS.G.S. LAND OFFICE	REQUEST AUTHORIZATION TO TR	FOR ALLOWABLE AND ANSPORT OIL AND NATURAL RECEIVED	Form C-104 Supersedes Old C-104 and C-1 Effective 1-1-65 GAS
J.	IRAN: PORTER GAS / OPERATOR / PRORATION OFFICE Operator		JAN 2 6 1978	
	DELTA DRILLING COM		D. C. C.	
	P. O. Box 866, Ode Reasonfa for filing (Check proper box New Well		Other (Please explain)	
	Recompletion Change in Ownership	Cil Dry G Casinghead Gas Conde	F= 1	
	If change of ownership give name and address of previous owner			
7.	South Culebra Bluf	Well No. Pool Name, Including F	, /	1
	Unit Letter G : 19	80 Feet From The North Lir	ne and 1650 Feet From	The East
	Line of Section 23 Too	wnship 23S Range 2	RE . NMPM, Edd	7 County
I.	DESIGNATION OF TRANSPORT Nome of Authorized Transporter of Oil The Permian Corpor		AS Address (Give address to which appropriate P. O. Box 3119, Michael P. C. B	•
	Name of Authorized Transporter of Cas El Paso Natural Ga	s Company	Address (Give address to which appro P. O. Box 1492, El	ved copy of this form is to be sent) Paso, TX 79978
	If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. G 23 23S 28E	Is gas actually connected? Wh	1-26-78
	If this production is commingled wit	th that from any other lease or pool,	give commingling order number: New Well Workover Deepen	No Plug Back Same Res'v. Diff, Res'v.
	Designate Type of Completion		XX Total Depth	P.B.T.D.
	11-6-77		11,769	11,769
	Elevations (DF, RKB, RT, GR, etc.; 2995.5 GR	Name of Producing Fermation Atoka	11,750	11.769
	Perforations Open Hole			Depth Casing Shoe
ŀ	HOLE SIZE	TUBING, CASING, AND	CEMENTING RECORD	SACKS CEMENT
t	Conductor	20"	34	5 cu.yd. Ready-Mix
-	173"	13-3/8"	418	500 sk. Class "C"
Ł	124	9-5/8" 36" & 40"	6355	Stage #1 1065 sk. Stage #2 1640 sk.
(rest data and request fo DIL WELL	RALLOWABLE (Test must be as able for this de	pth or be for full 24 hours)	and must be equal to or exceed top allow-
Ĩ	Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lif	(1, 410s)
L	Length of Test	Tubing Pressure	Coaing Pressure	Choke Size
	Actual Prod. During Test	Oil-Bbie.	Water-Bbie.	Gea-MCF
_	GAS WELL		-pr 10	
ſ	Actual Prod. Test-MCF/D 45 MMCF/D	Length of Teet 2 hours	Bbie. Condensate Mark	Gravity of Condensate 73.4 API
	Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Coming Pressure (The-in)	Choke Size
L د .	ERTIFICATE OF COMPLIANC	Not Available		TION COMMISSION
C	hereby certify that the rules and re emmission have been complied wi bowe is true and complete to the	ith and that the information given i	JAN 3 1 197	ressett
			TITLE SUPERVISOR, DIST	TRICT II

This form is to be filed in compliance with RULE 1104.

(1)11 Villymond P. IW. M. (Signature) Greenwell, J

Manager of Production (Title)

January 26, 1978 (Date) If this is a request for allowable for a newly drilled or despened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I. II. III, and VI for changes of owner, well name or number, or transporten or other such change of condition. Separate Forms C-104 must be filed for each pool in multiply moleted wells.

SANTA FE	DISTRIBUTION	5							Revise	1-1-65
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The of Completion Service Office of Completion Office			OIL WELL	GAS WELL	X DAY	CTHER	MAR - 6 1	978		
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36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.	35, List of Attachments					, , , , , , , , , , , , , , , , , , , 				
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.	DST #1, MINER	RAL DET	CERMIN	NATIONS REP	ORT, MUD &	CUTTING	ANALYSIS	REPORT		
Name of the state									dge and belie	<u>, </u>
- 17 11 V-H	}	· ·								
SIGNED Can 6- Huskell TITLE Engineering & Research DATE March 1, 1978	SIGNED COA	n/ Z	. K	askito				arch	DATE M	arch 1, 1978

INSTRUCTIONS

This can in to be filed with the appears. Second / file of the Compilential and come the days flor the completion of any newly-littled or deep cost well. It shall be decomposed to the copy of all the most and respect living a party of a new or an appear of a special tests conducted, including the first tests. All the test of the compact flory has in the case of preciously difficultied wells, the vertical lepths shall also be reported. For a difference, it is a first test of the life test of the late of the life test of the late of the late.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GLOGRAPUICAL SECTION OF STATE

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T. Anhy	,		т	Canyon		_Т Ою	Alano		т.	Penn.	ъ.,	
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B Salt			Т.	Atoka 11,7	54 (sample	T. Pict	ared Cliff	s	т.	Penn.	'D''	
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T. Quee	n		<u> </u>	Silarian		. T. Poin	t Laokau!		T.	Elbert		
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Include da	sta on rate	of water	inflow a	nd elevation to	which water rose	in hole.				•'		
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or cooles RECEIVED			Form C-103
DISTRIBUTION			Supersedes Old C-102 and C-103
CANTAFE	NEW MEXICO OIL CONS	ERVATION COMMISSION	Ellective 1-1-65
FILE 1/16	•		
ان.s.G.s.			5a. indicate Type of Lease
LAND OFFICE		RECEIVE	State Tee X
OPERATOR 1/			5. State Oil & Gas Lease No.
3, 21, 1, 1		AUG 2 1 1978	
ÉL MORY	NOTICES AND DEDODES ON		mannana da
DO NOT USE THIS FORM FOR PROPA	NOTICES AND REPORTS ON ISALS TO DRILL OR TO DEEPEN OR PLUG B	WELLS	
74, 2002162-100	700 214112 7000 0-1011 700 300	(d. b. b.	7. Unit Agreement Name
OIL CAS X	OTHER-	ARTESIA, OFFICE	South Culebra Bluff
Name of Creator	OTHER.		8. Farm or Lease Name
Delta Drilling Compa	any /		South Culebra Bluff Uni
`			9. Well No.
P.O. Box 2113	Midland, Texas 79702		1
	Midland, Texas 79702	· · · · · · · · · · · · · · · · · · ·	<u>_l</u>
4. Location of Well		-	10. Field and Pool, or Wildcat
UNIT LETTER G 198	30 FEET FROM THE north	LINE AND 1650 FEET FROM	Wildcat
İ			
THE EAST LINE, SECTION	23 TOWNSHIP 23-S	HANGE 28-E	
:			
	15. Elevation (Show whether 2995.5 GR	DF, RT, GR, etc.)	12. County
	2333.3 GR		Eddy
Check Ap	propriate Box To Indicate N	lature of Notice, Report or Ot	her Data
NOTICE OF INT			T REPORT OF:
1101101 01 1111		000014021	
PERFORM REMEDIAL WORK X	PLUG AND ABANDON	REMEDIAL WORK	ALYERING CASING
Ä		COMMENCE DRILLING OPHS.	
TEMPORARILT ASANDON	CHANGE PLANS	CASING YEST AND CEMENT JOB	PLUG AND ABANDONMENT
PULL OR ALTER CASING	The state of the s	OTHER	
DTHER	[7]		
DINER			
17. Describe Proposed or Completed Opera	itions (Clearly state all pertinent deta	ails, and give pertinent dates, including	estimated date of starting any proposed
work) SEE RULE 1103.			
A. If circulation rate	sufficient down drill 1	nino to kille	
	re line maintaining 500		•
2. Pump 20 bbls. 20	of cold sold rates follow	o psi back pressure.	D4 1
3. After drill pipe	wigar. Sait water form	owed by II.2#/gal. mud.	Displace at 200-400 GPM.
		te is minimum of 150 GPM	, if so raise annulus
back pressure to			
4. Continue pumping	Discours and all 150 GPM	and start reducing back	pressure after 600 bbls.
mud displaced.	Divert gas through sepa	arator as soon as possib	le.
		rculate until gas cut mu	d elimated. Shut well
in to observe be			
6. If well is stabl	e remove top BUP and cu	it off bent kelly stub a	and verify if tools will
enter drill pipe	. Replace BOP and mair	itain stable well condit	ions to move in workover
rig.			
B. If circulation rate	not sufficient for kill	l •	
1. Maintain circula	ting rate and drop hall	sealers to plug bit je	+-
2. If plug off even	essful and drill nine i	is stable remove top BOP	and sup see 1
etub and wardfu	if tools will enter dri	re erable remove top BOP	and cut off bent kelly
3 Penlace POD and	rio un lubricatar aria	LII PIPE.	
J. Replace bur and	ing up indricator with	periorating gun and per	forate drill pipe as deep
as possible but			- Our
.". I hereby certify that the information ab	ove is true and complete to the best of	f my knowledge and belsef.	
,			
HEREN LANGE COTTON /RE	on Brown Fie	ld Projects Manager	8/21/78

SUPERVISOR, DISTRICT II

AUG 2 5 1978

- 4. Circulate 11.2#/gal. mud through perforations until well is dead.
- C. If drill pipe plugged squeeze relax 11.2#/gal. mud to load and proceed as in B Step 2.
- D. If loss of circulation occurs and circulation cannot be maintained displace polymer plug and 17#/gal. mud to Bone Springs). Hold back pressure on drill pipe and observe fluid loss on annulus. Make up loss with 9.3#/gal. mud until stable. Move in workover rig.

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NO. OF COPICS PECCIVED	3	*					Form C-		
DISTRIBUTION		•					Superses C-102 au	les Old ul C-103	
SANTA FE	4	NEW MEXI	CO OIL CORS	ERVATION CO			Effective		
FILE	11	•		RE	CEI	VED			
U.S.G.S.							Sa. Indicute	Type of La	·
LAND OFFICE				•	-n 10	1070	Stote		Fee X
CPERATOR	7			S	EP 18	13/0	S. Stute Oil	& Cas Leg	se No.
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TOO NOT USE THIS FOR	SUNDRY	HOTICES AND R	EPORTS ON	WELLS	O. C.			TITI	
OIL GAS		OTHER-					7. Unit Agre	eniont Nanie	Rhadit
. Kane of Charator							6. Farm or 1	euse ilame	
Delta Drilling (Company	V					South Cu	<u>lebra B</u>	luff Unit
P.O. Box 2113	Midl	and, Texas 7	79702	•				1	₫!
Legation of Well		, , , , , , , , ,					10. Field on	d L'oul, or Y	Saldaine
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UNIT LETTER		FEET FROM THE	e north	LINE AND	1650	FEET PROM		at Atok	
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PERFORM RELIEDIAL WORK	·	Pinc Acc	ABANDON T	REMEDIAL WORK				TERING CASE	
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		CHANGE P	ml	CASING TEST AND		H	70	Dr ven veve	TOOKER L
PULL ON ALTER CASING		CHARGE P		OTHER	CEMENT 740	u			. —
spot plug	sidetr	ac run cgs		OTHER					
Other			——· [•					
7. Describe Proposed or Comp	pleted Opera	tions (Clearly state al	l pertinent deta	ils, and give perti	inent dates,	including c	stimuted date	of starting	any proposed
work) SEE RULE 1103.		•							
8-30-78 C	irculat	ed hole with 1	0.6 #/gal.	mud until w	vell was	dead.	Moved in	drill:	ina ria
9-5-78. Circul	ated an	d worked stuck	drill pir	e for 3 day	rs. Ran	strino	shot and	l hacker	ing itg
at 11,680'. PO	OH Lay	ed down old dr	ill pipe a	and collars.	Picke	d un an	other et	ring of	מע
Latched onto fi	sh. Ja	rred on fish f	or 12 hour	s without s	RUCCASS	Racke	d off lo	. Tilg OI	uha an
the fish. Top	of fish	now 11.671'.	Picked un	wash nine	.ccccoo. hairT	to was	h around	fich	DS OH
for two days an	d only	made 5 feet.	Logged hol	e.	TITEU	LU Was	n around	risn.	wasned
Plan to sp	ot a 300	0 sack cement	nlug from	11 671'-11	2001 54	th Class	. 1111	-a-t T	100
18 hours. Dres	s off co	ement to 11 25	Ot and edd	le trook ord	200 WI	olo CIAS:	s n cen	ent. w	70C
Log and set 7"	casing.	3340' 26# 5-	95 TT & C	/1601 22#	C OE IM	OTE. D	27A1 26#	.I,/30'.	
1130' 23# N-80	TT & C.	Cement wit	55 HI & C,	4100 23# TIU 454 200	0-90 L1	α υ, 3.	3/0 20#	K-22 L1	i & C
will bring TOC			test ess	ina ta 1500	SX. CI	ass n 11	i two sta	iges. 1	his
13,200' with 6"		24 1113	·, cest cas	ing to 1500	psi io	r 30 mii	nutes. I	MITT OU	i to
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NED	<u> </u>	/Ron Brown	TITLE FI	eld Projects	s Manage	er	DATE 9	-14-78	
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RDITIONS OF APPROVAL, IF ANYL

NI. OF COPIES RECLIVED	]	RECEIVED	Form C-103
DISTRIBUTION	].		Supersedes Old
SANTA FE /	] NEW MEXICO OIL CONS	ERVATIO CODE MESSINO PO	C-102 and C-103 SELECTIVE 1-1-65
FILE 1/ 1	1	001 8 ± 1070	
U.S.G.S.	]		Sa. Indicate Type of Lease
LAND OFFICE	]	G. C. C.	State Fee X
OPERATOR /	1	RTESIA, OFFIDE	5. State Cil & Gas Lease No.
-	<b>.</b>		
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OIL EAS X	OTHER		7, Unit Agreement Name
Delta Drilling Com	pany		South Culebra Bluff Unit
P.O. Box 2113	Midland, Texas 7970	02	9. Well No.
A. Location of Well			10. Field and Pool, or Wildeat
UNIT LETTER _ G	1980 FEET FROM THE north	LINE AND <u>1650</u> FEET F	Wildcat: - Atoka
THE east LINE, SECTI	TOWNSHIP 23S	range <u>28E</u> na	
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	15. Elevation (Show whether 2996 GF		12, County Eddy
Check	Appropriate Box To Indicate N	lature of Notice, Report or	Other Data
NOTICE OF I	NTENTION TO:	SUBSEQUE	ENT REPORT OF:
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PERFORM REMEDIAL WORK	PLUG AND AMANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON		COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOB	7
		OTHER	U
OTHER	U		
17. Describe Proposed or Completed Of work) SEE RULE 1103.	perations (Clearly state all pertinent dete	ails, and give pertinent dates, included 1671 & 769	ding estimated date of starting any proposed
	1,769'. Set 8-3/4" bridg		
	with 165 sx class H ceme		
72 hours. 9-19-78	TOC 11,170'. Drilled 8-	3/4" hole to 11.383'.	Drilled out with Dwan
drill sidetracking		,	
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id. I hereby certify that the information	shove is true and complete to the best o	f my knowledge and belief.	
SIGNED	/Ron Brown Fie	eld Projects Manager	nate 10-23-78
	11166		
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OCT 2 5 1978

N ). OF COPICS RECEIVED			Form C-103	
DISTRIBUTION		BERFIVED	Supersedes O C-102 and C-1	
SANTA FE		NEW MEXICO OIL CONSERVATION COMMISSION	Effective 1-1-	
FILE		•		
U.S.G.S.		OCT 1.1 1978	5a. Indicate Type	of Dease
LAND OFFICE			State	🥇 🧗 F 🕶 🔼
	1		5. State Oil 6 Ga	
OPERATOR	71-	O. C. C.		
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est	"APPLICAT	OSALS TO DEILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. IN FOR PERMIT _** (FORM C-1011 FOR SUCH PROPOSALS.)	<u> </u>	iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii
.   .   .   .   .   .   .   .   .   .	ראו		7. Unit Agreemen	t Name
·	<u> </u>	OTHER-		
Name of Cherator			8. Farm or Lease	liame
Delta Drilling	Compar	<b>,</b>	South Culeb	ra Bluff Unit
. Address of Crerator			9. Well No.	
P.O. Box 2113	M	lland, Texas 79702	1	<i>विद्</i> र
i. Location of Well			10. Field and Poo	ol, or Wildcat
1	7	100 north 1650	Jildont Ato	
UNIT LETTERG	╤╌╌┷	180 FEET FROM THE <u>NORTH</u> LINE AND 1650 FEET FROM	TTTTTTT	mmmm
	•	000		
THE east	IKE, SECTIO	23 TOWNSHIP 23S RANGE 28E NMPM	· (()()()	
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	//////	15. Elevation (Show whether DF, RT, GR, etc.)	12. County	
	777777	2996 GR	Eddy	$\nabla IIIIIIIII$
16.	Check	ppropriate Box To Indicate Nature of Notice, Report or Ot	her Dara	
NOTIC	,c or in	SUBSECUEN	T REPORT OF:	in the second
	1			F-7
PEHFORM REMEDIAL WORK	}	PLUG AND ABANDON REMEDIAL WORK	ALTERI	ING CASING
TEMPORARILY ABANDON	{ .	COMMENCE DRILLING OPHS.	PLUG A	ND ABANDONMENT
PULL OR ALTER CASING	j	CHANGE PLANS CASING TEST AND CEMENT JOB		
		OTHER		
OTHER				
				
17. Describe Proposed or Cor work) SEE RULE 1103.	npleted Op	sations (Clearly state all pertinent details, and give pertinent dates, including	g estimated date of s	tarting any proposed
•	n 3324	93' of 7" 26# S-95 LT & C, 3897.36' of 7" 23# 9	C 05 TM 6 0	2220 0/1 6
7" 26# K-55 LT	& Ca	d 1150.20' of 7" 23# N-80 LT & C casing. Set a	at 11.745' ar	id cemented
WITH 900 SX ILW	, 4% g	1, $1/4\#$ flocele and $5/10\%$ CFR-2 and 200 sx Class	ss H, 5# KC1	and 5/10%
CFR-2. Displace	ed wit	brine water, plug down 8:00 p.m. 10-3-78. Ope	foot W bogs	0 6600 501
with no returns	• Squ	ezed with 505 sx Class H. Plug down 11:00 a.m.	. 10-6-78. V	VOC 22 hrs.
			•	
Diffied Out lets	atmer /	/6-1/2" bit and 60 ft. cement and closed DV too	ol. Tested o	asing to
2000 psi from 12	2:30 to	1:00 p.m. 10-7-78. Held OK. Drilled out DV t	ool and RTH	+0 11 6001
Tested casing to	2000	osi from 4:30 p.m. 10-7-78, held OK. Ran bond	log from 11,	640' to 5500'
		illed float collar and 35' of cement and tested		
		·		
to 9:30 p.m. 10-	-8-78.	Held OK. Drilled out shoe at 4:00 a.m. 10-9-7	/8 with 6-1/2	bit.
			5 2,2	0200
I hambu marifu shar the in	formette-	ove is true and complete to the best of my knowledge and belief.		
nerroy certify that the th		sace on time and combiners to the near of my Ruomisade and Pelisi.		
	1	In the second		
"ICHEO KON 650	Sur	/Ron Brown Field Project Manager	DAYE 10-	9-78
	0.		*	
IN IN C	211	SUPERVISOR, DISTRICT II		r 2 5 1978
OVED BY VI		TITLE DUI MAY	DATEUE	1 4 3 1310

	2		Form C-103
DISTRIBUTION	.	RECEIVED	Supersedes Old C-102 and C-103
SANTA FE	NEW WEXICO OIL CON	SERVATION COMMISSION	Effective 1-1-65
FILE "/ V	4 .	OCT 11 1978	
U.S.G.S.	4	001 11 101	State Type of Lease
LAND OFFICE	-	~ C C	
OPERATOR /	J	O. C. C.	5. State Oil & Gas Lease No.
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IDO NOT USE THIS FORM FOR SE USE "APPLICA	RY NOTICES AND REPORTS ON THE PROPERTY OF PLUE TION FOR PERMIT - " (FORM C-101) FOR SU	WELLS BACK TO A DIFFERENT RESERVOIR. CH PROPOSALS.I	
OIL GAS X	OTHER•		7. Unit Agreement Name
. Name of Cherator			S. Farm or Lease Ivame
Delta Drilling Compa	ny V		South Culebra Bluff Uni
P.O. Box 2113	Midland, Texas 79702		9. Well No.
Location of Well	Aldiand, lexas /9/02		10. Field and Pool, or Wildcat
	1980 north	1650	Wildcat - Atoka
UNIT LETTER	1980 FEET FROM THE north	LINE AND 1650 FEET FR	" TITITITITITITITITITITITITITITITITITITI
THE eastLINE, SECT	10H 23 TOWNSHIP 23S	RANGE 28E NMF	
	15. Elevation (Show whether	DF. RT. GR. etc.)	12. County
	2996	GR	Eddy
Chack	Appropriate Box To Indicate	Natura of Notice Paper of C	
	NTENTION TO:		NT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	
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	Test 1	Townself builtering oras.	PLUG AND ABANDONMENT
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PULL OR ALTER CASING	CHANGE PLANS X	CASING TEST AND CEMENT JQB	
OTHER	CHANGE PLANS X	OTHER	
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		ОТИЕЯ	ng estimated date of starting any proposed
7. Describe Proposed or Completed C	perations (Clearly state all pertinent de	OTHER	
7. Describe Proposed or Completed C work) SEE RULE 1103. 10-9-78 7" casing se	operations (Clearly state all pertinent des	otherails, and give pertinent dates, includi	1/8" bit to 11,820' or
7. Describe Proposed or Completed County see RULE 1703. 10-9-78 7" casing see 50 feet below the pay	perations (Clearly state all pertinent det et @ 11,750'. Plan to dr zone. After logging, a	other ails, and give pertinent dates, including the second	1/8" bit to 11,820' or be set in the 7" at
7. Describe Proposed or Completed County see RULE 1703. 10-9-78 7" casing see 50 feet below the pay	perations (Clearly state all pertinent det et @ 11,750'. Plan to dr zone. After logging, a	other ails, and give pertinent dates, including the second	1/8" bit to 11,820' or
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7. Describe Proposed or Completed Cowork) SEE RULE 1103. 10-9-78 7" casing see 50 feet below the pay approximately 100' ab	t @ 11,750'. Plan to dr zone. After logging, a pove the pay zone. Well	other ails, and give pertinent dates, including ill out from 7" with 6-permanent packer will will be produced through	1/8" bit to 11,820' or be set in the 7" at
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ONDITIONS OF APPROVAL, IF ANY:

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DISTRIBUTION						Supersede	
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P.O. Box 2113	MI	dland, TX	79702	·			
4. Lecation of Well		_				10, I feld cha	Fool, or Vilderia
UNIT LETTER	<u>G 198</u>	10 FEET P	ROLL THE North	LINC AND	1650	Wildcat_	_Atoka
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inc East	LINE, SECTION_	23	TOWNSHIP 235	RANGE	28E NMP.	:///////	
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16.	~*************************************					<u> </u>	~~77 77777777
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NOT	ICE OF INTE	ENTION TO	•	1	SUBSEQUEN	T REPORT OF	₹:
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PERFERM REMEDIAL WORK		*	LUG AND ABANDON	REMEDIAL WORK		ALT	CRING CASING
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OTHER							
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17. Describe Proposed of Co	empleted Operat	ions (Clearly a	tate all pertinent des	ils, and give perti	nent dates, including	estimated date of	starting ony propos
wark) SEC RULE 1103.							
10/14/78	Well was	TD @ 11.	876' (logger (denth). Well	was looged	from	
	11.8761	to 11.745	'; DLL/MSFL,	CNI /FDC logs	Were run	Δ	
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and the same of th				<u></u>		<u> </u>	14117
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SUPERVISOR DISTRICT II

COMMITTIONS OF APPROVAL, IF ANYI

OCT 2 5 1978

OIL CONSERVATION COMMISSION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

RECEIVED

OCT 24 1978

D. C. C.

DATE	October 20, 1978
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Co.	medical rot bile pare
#1 G	23-23-28
WELL & UNIT	S.T.R.
El Paso Natural Ga	as Co.
NAME OF PURCHAS	SER
24853	·
SITE CODE	
El Paso Natural	Gas Co.
PURCI	IASER
<i>o</i>)	0 8
Staria DEDDI	ESENTATIVE W
KEPKI	COUNTAILVE CO
Con Day 1 and and C	tatue Analvet
<u>Gas Production S</u> TITLE	
	#1 G WELL & UNIT E1 Paso Natural Ga NAME OF PURCHAS 24853 SITE CODE E1 Paso Natural PURCH

TRE:bl

cc: Operator

Oil Conservation Commission - Santa Fe

H. P. Logan

T. J. Crutchfield

Proration

File

no, ne cories pictives DESTRIBUTION SANTA CE

NEW MEXICO OIL CONSURVATION COMMISSION RECORDEST FOR ALL OWARE E

100.0	KL901.3	ALID	Effective 1-1-65
W.b.G.5.	AUTHODIZATION TO T	AND RANSPORT OIL AND NATURAI	
LAND OFFICE	AUTHORIZATION TO T	KVH21.OKT OIF VMD HV LOKVI	- GV2
l oil 7	·		
I RANSPORTER GAS /		_	
OPERATOR /	-	R	ECEIVED
PROBATION OFFICE			- -
Chetaint	·		OCT 1 9 1978
Delta Drilling Co	ompany 🗸 .		13 1978
Address			0.0.
P.O. Box 2113, M	idland, TX 79702		O. C. C. RTESIA, DEFICE
Kenson(s) for liling (Check propi	er box)	Other (Please explain)	
New Woll	Change in Transporter ois	{	
Hecompletion	OII Dry	Cas 🔲	
Change in Ownership	Casingheod Gas Cond	lenzale	
If change of ownership give no and address of previous owner			
•	5-1-79	Bluff atoka bas	
H. DESCRIPTION OF WELL A	ND LEASE South Culebra	Bluff-alexander	
Leane Name			
South Culebra Bluff	lenit 1 Atoka Wilde	at Sique, Fede	rol cr Fee Fee
Location		7.650	
Unit Letter G :	1980 Feet From The N L	ine and 1650 Feet 7 ros	n The
22	225	205 544	
Line of Section 23	Township 235 Range	28E , NNPM, Edd	Y County
II. DESIGNATION OF TRANSI	CONTER OF OIL AND NATURAL G	AS Ladress (Give address to which and	roved copy of this form is to be sent)
	o o	1	
The Permian Corp.	Cusingheed Gas Or Dry Ges XX	P.O. Box 3119, Midland	1X /9/UI
1'	Commission Con Con Con Con Con Con Con Con Con C	ī .	
El Paso Natural Gás	Unii Sec. Twp. P.ge.	P.O. Box 1492, El Paso	hen 10-20-78
II well produces all or liquids, give location of tanks.	G 23 23S 28E	Yes	1-26-78
			1-20-70
	d with that from any other lonse or pool	, give commingling order number:	
IV. COMPLETION DATA	Oil Well Gas Well	New Well Workover Deepen	Ping Back Some Resty, Unit, Berty
Designate Type of Comp	letion – (X)	X	(x)
Data Sanddad	Date Compl. Ready to Pred.	Total Depth	P.B.T.D.
11/6/77	10/16/78	11,876	11,876
Elevations (Dr. RKB, RT, GR. et	c.j Name of Froducing Fermation	Top O!I/Cas Pay	Tubing Depth
2995.5	Atoka	11 365	11.720
134		1151111	Depth Casing Shoe
0 H 11.	745-876	•	11745
	TUBING, CASING, AK	D CEMENTING RECORD	
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
Conductor	20	34	5 cu. yd. ready mix
17-1/2	13-3/8	418	500 Class C
12-1/4	9-5/8 36# & 40#	6355	2705 SX
8-1/4	7" 26.4 # & 29.4#	11.745	1605 TLW & Class C
V. TEST DATA AND REQUEST	Foit ALISSO, pattached well of the forth a	mawingry of total volume of load oil	and must be equal to or exceed top allia
		(713 67 58 for full 24 hours)	
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas l	ift, etc.)
Longth of Tost	Tubing Pressure	Casing Preseure	Choke Size
			10 - 11
Actual Fred, During Test	OH-Bels.	Water-Uble.	Gua-MCF
		J	<u> </u>
G.G.Wirtz	•	:	Pr':
GAS WELL,	Langth of Total	Uble. Condenecte/MMCF	Country of Contract
14%	le le	T & 14 12/	Gravity of Condensate
Tealing Listhed (files, back pr.)	Tubing Pressure (Shut-in)	Custing Pressure (think-in)	Choke Size :/
1	3200#	Caring Planet (Indicate)	Chore size 1/2
Bk/Pr_		\	J
i, centricate of complim	NCE	11	TION COMMISSION
• •		ADDRESS OCT 2	5 1978
	d regulations of the Oil Conservation	APPROVED	, 19
	l with and thet the information given the best of my knowledge and belief,	DY Will X	resset
)	STRICT II
•	ł	TITLE SUPERVISOR, D	MARICE U
	. }	This form in to be filed in a	umpliance with Rut. E. 1104.
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the First Production 10-19-78 Flowing Test Flowing

This form in to be filled with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or desponed well. It shall be accompanied by one copy of all electrical sick relies activity to a ran on the well and a summary of all special tests conducted, Including dails stem tests. All depthis reported shall be measured depths, in the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items, in through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six expless are required. See Hule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

	,	Sout	heastern	New Mexico				Northy	vestem ?	New Mexico	
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REQUEST FOR THE EXTENSION OF AN EXISTING POOL

OR

THE CREATION OF A NEW POOL

TO: The Oil Conser State of I	vation Commission New Mexico		Date12-11-	78, 19
The Delta D	rilling Co.	••••••		uff_Unit
	Name of Operator		Name of L	case
l Locate	d 1980 feet fro	m theNorth		ine and 1650 fee
from the East	line of	23 Section	23S	28 E Range
with on form C-105, v	ve hereby request that th	c	rmation. On the basis of the	
or that a new pool be o			a pool at present tim	
Suggested name: Sol				
	A Commission of the Commission	***************************************	Delta Drilling Co. Operator	
•	ormation:	, · ·	Down	R. Brown
R-598	1 Bluff stoken		Representative	DLOWII
3,00			RE	CEIVED

DEC 15 1978

	DISTRIBUTION SANTA FE FILE U.S.G.S. LAND OFFICE IRANSPORTER OIL OPERATOR	NEW MEXICO OIL REQUEST AUTHORIZATION TO TR	FOR ALLG .BLE	Supersed	es Old C-104 an
ı.	PRORATION OFFICE	1		TESIS OTTOR	
	DeltaUS Corporation		·		
	3100 C North A Street, Reason(s) for filing (Check proper box		Other (Picase cz	plain)	·
i	New Well	Change in Transporter of:	Name chang	ge from Delta Drill	ing Compa
	Recompletion Change in Ownership	Call Dry G Casinghead Gas Conde	H 1	•	
	If change of ownership give name and address of previous owner	Delta Drilling Company, 3	3100 C North A Stre	et, Midland, Texas	79705
	DESCRIPTION OF WELL AND	•		nd of Lease	
	South Culebra Bluff Ur		er.	nte, Federal or Fee Fee	Leone
		1980 Feet From The North LI	ne and 1650 F	Feet From The East	
	Line of Section 23 To	wnship 235 Range	28Е . МРМ.	Eddy	Cor
II.	DESIGNATION OF TRANSPOR	TER OF OIL AND NATURAL G	Address (Give address to w	hich approved copy of this for	n is to be sens)
	Neme of Authorized Transporter of Co	singsed Gas ar Dry Gas		hich approved copy of this for	n is to be sent)
	Afair Jahun	Unit Sec. Twp. P.ge.	Is as actually connected?	When 10-20-78	
į	li well produces oil or liquids, give location of tanks.	6 23 23 28	Yes	1-26.78	· .
	If this production is commingled will COMPLETION DATA	th that from any other lease or pool,			
	Designate Type of Completic	on - (X) Oil Well Gas Well	New Well Workover	Deepen Plug Back Sam	Resiv. Ditt. F
	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.	
	Elevations (DF, RKB, RT, GR, etc.;	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth	
	Perforations	1		Depth Casing Sho	•
			D CEMENTING RECORD		COUCHE
}	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	lest.	ZD-3
F				7-31	- 85
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	TEST DATA AND REQUEST FOOIL, WELL Date First New Oil Run To Tonks		fier recovery of soral volume of pile or be for full 24 hours) Producing Method (Flow, pur	· · · · · · · · · · · · · · · · · · ·	or exceed top t
-	Length of Test	Tubing Pressure	Casing Pressure	Choke Size	
-	Actual Pred. During Test	Oil-Bhla.	Water-Bble.	Gos-MCF	
			<u> </u>		
	GAS WELL				
	Actual Prod. Test-MCF/D	Length of Test	Eble. Condensate/AMCF	Grevity of Cendent	ale.
t	Trating Method (putot, back pr.)	Tubing Pressue (Shut-in)	Casing Pressure (Shut-in)	Choke Size	
ı. C	ERTIFICATE OF COMPLIANC	E		SERVATION COMMISS	ION
С	hereby certify that the rules and re ommission have been complied wi	ith and that the information given	APPROVED		19
61	bave is true and complete to the	best of my knowledge and belief.	BY ORIGINAL SIC BY LARRY BRI TITLE GEOLOGIST - N	OOKS	
	// nb. 1.0		····	iled in compliance with Ru	ILE 1104.
_	of Tyling ff MI/ W	Ron Brown	If this is a request	for allowable for a newly de accompanied by a tabulation	rilled or despi n of the devir
4	Senior Engineer		tosts taken on the well	in accordance with NULE form must be filled out con	111.
/	(Title	1/16/64	able on new and recomp	leted wells.	
	(Date	,-//-/	well name or number, or t	one i, 11, 111, and VI for c ratispoiler, or other such ch O4 must be filed for each	ange of condi

RECEIVED BY **APR -8** 1985 O. C. D. ARTESIA, OFFICE

was made on

March 29, 1985

OIL CONSERVATION DIVISION P. O. DRAWER DD ARTESIA, NEW MEXICO 88210

	DAIL:	TO 1000
NOTICE OF GAS CONNECTION		
This is to notify the Oil Conservation Division that	connection	for the purchase of
gas from the Delta Drilling Company OPERATOR		
South Culeba Bluff #1,#\$, CPD, Eddy LEASE & WELL COUNTY		23-23-28 NIT S-T-R

April 4 1985

EL PASO NATURAL GAS COMPANY **PURCHASER**

SITE CODE & SITE WELL NUMBER

El Paso Natural Gas NAME OF PURCHASER

ROBERT PATTERSON - Representative

Systems Dispatching Production Coordinator, Title

Oil Conservation Division State of New Mexico P. O. Box 2088 Santa Fe, New Mexico 87501

> Production Control - M/O Gas Purchases - M/O Operator Earl Smith, Production - Jal Charlie Annett - Midland Joe Robinson - Jal Eunice Field Lines Jal Field Lines Bill Cranford - Jal Carl Frymire - Jal File

APR 15 1985

O. C. D.

April 10, 1985

P. O. BOX 1492 EL PASO, TEXAS 79978 PHONE: 915-541-2600

Oil Conservation Division State of New Mexico P. O. Drawer DD Artesia, New Mexico 88210

Gentlemen:

This is to advise that on March 29, 1985 the Delta Drilling Company, So. Culebra Bluff #1 gas well located in Unit G of Section 23, Township 23, Range 28 Eddy County, New Mexico was disconnected from El Paso Gas Company's gathering system. This meter is blind plated and will remain on location temporarily, but inoperative until permanent status of the measuring arrangement is determined. The disconnection was due to make a tie in to the suction of So. Colebra Bluff #3 and #4.

Yours truly,

Robert Patterson Production Coordinator

RP/a

c: Oil Conservation Division State of New Mexico P. O. Box 2088 Santa Fe, New Mexico 87501

Production Control - M/O
Gas Purchases - M/O
Operator
Earl Smith - Production Jal
Charlie Annett - Midland
Joe Robinson - Jal
Eunice Field Lines
Jal Field Lines
Bill Cranford - Jal
File

RECEIVED BY

AUG 2 0 1985

O. C. D.
ARTESIA, OFFICE

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

. ** 107110 081	**	Γ	
DISTRIBUT	DW		
SAMTA FE			
FILE		1	
U.1.0.1.			
LAND DIFICE			
TAAMAPONTER	DIL		
	BAS		
OPERATOR			
PROBATION OFF	HC R		\neg

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-72 Formal 06-01-83 Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I	· .
Operator	
Reading & Bates Petroleum Co.	
Address	
2412 N. Grandview, Suite 201, Odessa, Texas 79761	
Resson(s) for filing (Check proper box)	Other (Please explain)
New Wall Change in Transporter of:	
Recompletion Oll Dry Gas	
X Change in Ownership Contenusts Condenusts	Effective July 1, 1985
If change of ownership give name	Appendix of the second
and address of previous owner <u>DeltaUS Corporation</u> 3100 C. N	orth "A" Street, Midland, Texas 79705
II. DESCRIPTION OF WELL AND LEASE	
Lease Name Well No. Pool Name, including Formation	Kind of Lease
South Culebra Bluff Unit 1 South Culebra Bluff	Atoka Stone, Federal or Fee Fee
Location	*
Unit Letter G : 1980 Feet From The North Line and	1650 Feet From The East
Line of Section 23 Township 235 Range 28E	NMPM, Eddy Co.
	Engy Col
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS	
	(Give address to which approved copy of this form is to be sent)
in the contract of the contrac	· · · · · · · · · · · · · · · · · · ·
The Permian Corporation P. 0. Name of Authorized Transporer of Cosinghed Gas or Dry Gas X Address	Box 1183, Houston, Texas 77001
	Give address to which approved copy of this form is to be sent!
	Box 1492, El Paso, Texas 79978
If well produces on or riduids.	tually carnected? When
give locution of sanks. G 23 23 28 Ye	es
this production is commingled with that from any other lease or pool, give comm	ningling order number:
	ningling order number: Rest TD3
NOTE: Complete Parts IV and V on reverse side if necessary.	Y-74.7 C
1. CERTIFICATE OF COMPLIANCE	Che Op
hereby certify that the rules and regulations of the Oil Conservation Division have	OIL CONSERVATION DIVISION CAS OP
	ALIC 98 1985
	AUG 28 1985
een complied with and that the information given is true and complete to the best of	AUG 28 1985
een complied with and that the information given is true and complete to the best of	Original Stand By
een complied with and that the information given is true and complete to the best of	Original Signed By Les A. Clements
ren complied with and that the information given is true and complete to the best of y knowledge and belief. BY	Original Signed By Les A. Clemants Supervisor District II
cen complied with and that the information given is true and complete to the best of the knowledge and belief. TITLE This	Original Signad By Les A. Clements Supervisor District II Form is to be filled in compliance with RULE 1104.
cen complied with and that the information given is true and complete to the best of my knowledge and belief. TITLE This If the	Original Signad By Los A. Clemants Supervisor District If a form is to be filed in compliance with RULE 1104.
ren complied with and that the information given is true and complete to the best of by knowledge and belief. TITLE This [Signature]	Original Signed By Los A. Clemants Supervisor District II a form is to be filed in compliance with RULE 1104. his is a request for allowable for a newly drilled or deepe
TITLE This (Signature) Area Superintendent	Original Signed By Les A. Clements Supervisor District II s form is to be filed in compliance with RULE 1104. his is a request for allowable for a newly drilled or deeper is form must be accompanied by a tabulation of the deviation on the well in accordance with RULE 111.
TITLE This is the Superintendent (Title)	Original Signal By Les A. Clements Supervisor District If a form is to be filed in compliance with RULE 1104. his is a request for allowable for a newly drilled or deeper is form must be accompanied by a tabulation of the deviation on the well is accordance with RULE 111. sections of this form must be filled out completely for all
Title Area Superintendent (Title) August 14, 1985	Original Signed By Los A. Clemants Supervisor District If a form is to be filed in compliance with RULE 1104. Als is a request for allowable for a newly drilled or deepe is form must be accompanied by a tabulation of the deviation on the well in accordance with RULE 111. sections of this form must be filled out completely for all new and recompleted wells.
Title Area Superintendent (Title) (Date) (Date)	Original Signal By Les A. Clements Supervisor District a form is to be filed in compliance with RULE 1104. his is a request for allowable for a newly drilled or deeper is form must be accompanied by a tabulation of the deviation on the well in accordance with RULE 111. sections of this form must be filled out completely for all

DEC	EIVED	•							
Submit 5 Copies Appropriate District Office DISTRICT 1	£		inerals and Nat		-			Form C-1 Revised 1- See Instru at Bottom	·1-89 ections
DISTRICT II	26 03	OIL CO	ONSERVA P.O. B	TION I ox 2088	DIVISIO	Į.	Santa Fe		
	. C. D.	San	ta Fe, New M	exico 8750	14-2088	1	Frie Transporter	Oi 1	
DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410 -			R ALLOWAE			_	Operator	Gas	
I. Operator		IO IHAI	NSPORT OIL	ANU NA	I UHAL GA	Well A	PI No.		
RB Operating Company	, /								
Address 2412 N. Grandview, S		01 04	lessa Teva	s 79761					
Reason(s) for Filing (Check proper box)	oute 2				er (Please expla	in)			
New Weil Recompletion	Oil	~~	Transporter of: Dry Gas	Eff	ective .	June 1.	1989		
Change in Operator	Casinghea	d Gas 🔲 (Condensate						
If change of operator give name and address of previous operator Readin	ng & Ba	tes Pet	roleum Co.	. 2412 N	l. Grandv	lew. Su	lte 201.	Odessa,	Tx. 7976
II. DESCRIPTION OF WELL	AND LE			in Francisco		V:-4-	41		- Na 1
South Culebra Bluff U	Jnit	1	Foot Name, Include South Cule	-	f Atoka		(Lesse Federal or <u>Fee</u>		se No.
Location]
Unit Letter G	. : 19	080	Feet From The _1	lorth_Lie	e and16	5Ω Fe	et From The _	East	Line
Section 23 Township	. 23	S.	Range 2	8F .N	MPM, Fd	d y			County
III. DESIGNATION OF TRANS	SPORTE	R OF OU	L AND NATU				· ·		
Name of Authorized Transporter of Oil		or Condens	ate X	1	e address to wh)
The Permian Corporation of Authorized Transporter of Casing			or Dry Gas 💢		x 1183.				1)
El Paso Natural Gas (If well produces oil or liquids, give location of tanks.	Unit	Sec.		is gas actual	y connected?	When	7	79978	
If this production is commingled with that f	rozn any oth	23 er lease or p	23 28 ool, give comming	ling order num	ber:		0/20/78		
IV. COMPLETION DATA		Oii Well	Gas Well	New Well	Workover	Deepea	Plug Back	Same Der'y	Diff Res'v
Designate Type of Completion -		<u>i </u>	_i	<u>i </u>	L	Deepes	rug sacz	Sair Kes v	L
Date Spudded	Date Com	pl. Ready to	Prod.	Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of P	roducing For	mation	Top Oil/Gas	Pay	·	Tubing Dept	h	
Perforations							Depth Casing	Shoe	
			CASING AND	CEMENTI		D			
HOLE SIZE	CA	SING & TU	BING SIZE	 	DEPTH SET		s	ACKS CEME	NT
								<u> </u>	
V. TEST DATA AND REQUES				· · · · · · · · · · · · · · · · · · ·		 -	· · · · · · · ·		
OIL WELL (Test must be after re Date First New Oil Run To Tank	Date of Te		fload oil and mus		exceed top allo ethod (Flow, pu			or full 24 hours	1029 T
						<u> </u>		1	7 8 M
Length of Test	Tubing Pre	STEE STEEL		Casing Press	ire		Choke Size		
Actual Prod. During Test	Oil - Bbls.			Water - Bbis			Gas- MCF	180 10	p
GAS WELL				· -					
Actual Prod. Test - MCF/D	Length of	Test		Bbis. Conder	sale/MMCF		Gravity of C	ondensate	
esting Method (pitot, back pr.)	Tubing Pre	saure (Shut-i	n)	Casing Press	ire (Shut-in)	 -	Choke Size		
VI. OPERATOR CERTIFICA					OIL CON	SERV	י ואטודג	JIVICIO	 N
I hereby certify that the rules and regula Division have been complied with and the	hat the infor	mation give			SIL CON	_			•
is true and complete to the best of my to	powietige as	nd belief.	•	Date	Approve	001	2 0 19	89	
-am to	My Sta	2							
Signature Larry Rampey Vi	Co Rec	sident		By_		AL SIGNE ILVIAMS	D BY		
Printed Name			Title	Title		ISOR, DIS	STRICT II		·
June 21, 1989 (9	18) 492	2-0447 Telep	hone No.						

- 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 with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.

 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.

 4) Separate Form C-104 must be filled for each pool in multiply completed wells.

Submit 1 Copies
Appropriate District Office
PISTRICT |
P.O. Bus 1980, Hobbs, NM 88240

E. Ry, Minerals and Natural Resources Department.

Furm C-104 Revised 1-1-89 See Instructions

RECEIVED

OIL CONSERVATION DIVISION

P.O. Box 2088

DISTRICT II P.O. Drawer DD, Aneria, NM 88210 Santa Fe, New Mexico 87504-2088 DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410

JUL 0 1 1991 O. C. D REQUEST FOR ALLOWABLE AND AUTHORIZATION

I	TC	TRAN	ISPO	RT OIL	AND NA	FURAL G	AS	ARTESIA, (
Operator	7							API No.		
RB Operating Company	/									
Address										
2412 N. Grandview, S	uite 201,	Odes	sa, T	Cexas	79761					· · · · · · · · · · · · · · · · · · ·
Reason(s) for Filing (Check proper box)	-	.			☐ O⊓×	a (Please exp	lain)			
New Weil		hange in T	-		P.F.F.	-	.11 3	001		
Recompletion	Oil Caninghead C	_	Dry Gas Condens		FIIE	ctive Ju	ıly l, l	991		
If change of operator give name	· Canagness C			- (2)						
and address of previous operator										
II. DESCRIPTION OF WELL	AND LEAS	E								
Lease Name			Pool Nan	ne, lacludi:	ng Formation			of Lease		ease No.
South Culebra Blufi	f Unit	<u>i</u>	Sou	th Cul	ebra Blu	ff Atok	a Sue,	Federal or Fe	<u> </u>	
Location										
Unit Letter G	1980	<u> </u>	Feet From	n The	North Line	and	1650 F	et From The	East	Line
	222			005			<u>.</u>			
Section 23 Townshi	235		Range		, M	APM,	Eddy			County
IT DESIGNATION OF TRAN	COODTED	OE ON	ANT	NATII	DAL CAS					
III. DESIGNATION OF TRAN Name of Authorized Transporter of Oil		Condensa		- 13/A I UI		address to w	hich approved	copy of this	form is to be s	ent)
Amoco Production Com	L		. L	نــــ	1		ulsa0			* .
Name of Authorized Transporter of Casso		X •	or Dry G	45					form is to be s	eni)
El Paso Natural Gas					I		El Paso			
If well produces oil or liquids,	Unut Se		Jack	Rge.	ls gae schully		When	7		
give location of traks.	1 G 1 3	23	23S	28E	! .	Yes		10/20/	78	
If this production is commungled with that	from any other	lease or po	ool, gave	counning	ing order numb	ег				
IV. COMPLETION DATA	₍₋	2011-11		. 11/-11	1		1 0		le	5
Designate Type of Completion		Orl Well	1 04	s Well	New Well	Workover	Deepen	I LINE ROCK	Same Res v	Diff Resiv
Date Spudded	, Date Compl.	Ready to P	hod.		Total Depth	ļ	<u>ــــــــــــــــــــــــــــــــــــ</u>	PBTD.	1	
					•			1		
Elevations (DF. RKB. RT. GR, etc.)	Name of Prod	ucing For	מסטנת		Top Oil/Gas I	ay		Tubing Dep	ch .	
	4.			·						
Perforaziona								Depth Casil	ng Shoe	
					CEMENTI!				· · · · · · · · · · · · · · · · · · ·	
HOLE SIZE	CASIN	IG & TUB	ING SI	<u>/ E</u>		DEPTH SET			SACKS CEM	ENI
										
										
V. TEST DATA AND REQUE	ST FOR AL	LOWAI	BLE							
OIL WELL (Test must be after t	recovery of local	volume of	load oil	and must					for full 24 hou	Ø5
Dute First New Oil Run To Tank	Date of Text				Producing Me	thod !Flow p	ump, gas ist. e	HC.)		
Leasth of Tes	Tuber St				Carren Barra			Choke Size		
Length of Tes	Tubing Pressu	. ·			Casing Pressu	ie .	/			
Actual Prod. During Test	Oil - Bhis.				Water - Bbis			Gas- MCF		
	2-1 2012						40			
CASWELL										
GAS WELL Actual Prod. Test - MCF/D	Length of Tes	1	 .		Bbls. Condens	DIE MINICE		Gravity of G	contensate	
- manufacture and a street state	gen cr 108	-						J.J. 1. 1		•
Testing Method (puot. back pr.)	Tubing Pressu	re (Shut-u	1)		Casing Pressi	re (Shut-in)	 -	Choke Size		
				,	1					
VI. OPERATOR CERTIFIC	'ATE OF C	OMPI	TANC	TF.)[
I hereby cerufy that the rules and regul						DIL CON	ISERV	ATION:	DIVISIO	NC
Division have been complied with and	that the informa	tion given			N -	,				
is true and complete to the best of my	spowledge and t	selief.			Date	Approve	d Ju	0 1 19	3 1	
	/ /				50.6	. ippiose	·			
	<u> </u>				By_	OR	IGINAL SI	CHER PO		
Signature F. D. Schoch	· Arna ·	fon	_		Py	MI	SE WILLIA	Lie		
Printed Name		ianage T	Tale		Tala	SU	PERVISOR	. DISTRIA	T #	
	(915) 362-				Title.	·				
Date		Teleph	one No.		16					

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 with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

State of New Mexico y, Minerals and Natural Resources Departme.

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

OIL CONSERVATION DIVISION

P.O. Box 2088

O. Diewer DD, AGENE, NM 88210		Sant	a Fe, New M	exico 875	04-2088		AUG 0	5 1001	
DISTRICT III 000 Rio Brisos Rd., Arisc, NM 87410							NOU U	0 1331	
on the piece that the over			R ALLOWAE		_		O. C.		
*	TO	TRAN	ISPORT OIL	AND NA	TURAL GA		ARTESIA,	OFFICE	
Operator						Well	API No.		
RB Operating Company									
Address 2412 N. Grandview, Sui	ta 201 6	deces	Toyac 7	9761					
Reason(s) for Filing (Check proper box)	.LE 201, C	uessa	, ICABS /		er (Please expla	ial .			
New Well	Q.	ange in T	naporter of:		,_ (, too	,			
Recompletios	Oil		hry Gas 🔲						
Change in Operator	Casinghead G	us [] (codensate [
change of operator give name			***************************************						
nd address of previous operator									
I. DESCRIPTION OF WELL									
Lesse Name	1	ell No. P	ool Name, Includi	T .		Clare	of Lease Federal or Fee		ease No.
South Culebra Bluff Un	it		South Cul	<u>ebra Bl</u>	uff Atoka			·	
Location	1000			• • • • • • •	165		•	70 m	
Unit LetterG	:1980	F	eet From The!	worth Li	e and165	<u> </u>	et From The _	East	Line
Section 23 Townshi	p 23S		ange 28E	N	MPM, E	Eddy			County
	<u> </u>	<u>-</u>				<u></u> _			
II. DESIGNATION OF TRAN	SPORTER	OF OIL	AND NATU	RAL GAS					
Name of Authorized Transporter of Oil		Conden			ve address to wh	ich approved	copy of this for	m is to be se	nt)
Amoco Pipeline Interco					ox 702068				
Name of Authorized Transporter of Casing	_	X) •	r Dry Gas 🗀	1	ve address to wh				nt)
El Paso Natural Gas Co					ox 1492,			79978	
If well produces oil or liquids, sive location of tanks.	Unit So				ly connected?	When		•	
			23S 28E	Yes			10/20/7	8	
f this production is commingled with that: V. COMPLETION DATA	HOM ALLY OUSEL I	case or po	or, State containing	ing order north					
<u></u>	lo	il Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Designate Type of Completion			i]
Date Spudded	Date Compl. I	leady to P	rod.	Total Depth	*		P.B.T.D.		<u> </u>
	<u>!</u>			!			<u> </u>		
Elevations (DF, RKB, RT, GR, etc.)	Name of Produ	icing Form	nation	Top Oil/Gas	Pay		Tubing Depth		
Perforations	<u> </u>	<u> </u>					Depth Casing	5544	
							Schri Carra	SIL	
	TUF	BING. C	ASING AND	CEMENT	NG RECORT	n.			
HOLE SIZE			ING SIZE	<u> </u>	DEPTH SET		. s	ACKS CEME	NT
								4	
TECT DATA AND DECUE	* 600	6347.5			·				· · · · · · · · · · · · · · · · · · ·
7. TEST DATA AND REQUES								- 6 11 34 5	
OIL WELL Test must be after no Date First New Oil Run To Tank	Date of Test	vocume of	loga ou and must		ethod (Flow, pu			Jul 14 ROW	3.)
Section 10 14	Date of Tea			· · · · · · · · · · · · · · · · · · ·	carca (Fion, pa				
ength of Test	Tubing Pressur		- "	Casing Press	ure	7 7	Choke Size		
	:	-				- (
Actual Prod. During Test	Osi - Bbis.			Water - Bbis			Gas- MCF		
	<u>i</u>								
GAS WELL									
Actual Prod. Test - MCF/D	Length of Test			Bbls. Conder	sale/MMCF		Gravity of Co	odentate	
	:								
esting Method (pilot, back pr.)	Tubing Pressur	e (Shut-in)	Casing Press	ure (Shut-ia)		Choke Size		
	<u> </u>								
/I. OPERATOR CERTIFIC	ATÈ OF C	OMPL.	IANCE	ll ,	311 001	05014	710110	مر مأمره	
I hereby certify that the rules and regula				11	DIL CON	SEHVA	AHONL	NOIO	N
Division have been complied with and to is true and complete to the best of my k			sbove	II .			1001		
O \		M121.	,	Date	Approved	AUG_	0 5 1991		
1_11 / /	/			[]	•				
Signature				By_	ORIGIA	AL SIGN			
F. D. Schoch	Area Ma			11)	
Printed Name	(015)		ide 02	Title	SUPER	ASOR O	STRICT IF		
8/1/91 Date	(915) 3	162–63 Telepha		}}			SIMICI II		

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 with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies
Appropriate District Office
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

State of New Mexico gy, Minerals and Natural Resources Departm Form C-104 (Revised 1-1-89 See Instructions at Bottom of Page

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

RECEIVED FEB 2 ? 1992

DISTRICT III 1000 Rio Brizos Rd., Aziec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION O. C. D.

•	7	OTRAN	ISPORT OIL	AND NA	TURAL GA	us 📲	iear util	é		
Operator	7						API No.			
RB Operating Company	<u>/</u>									
Address										
2412 N. Grandview, S	uite 20	l, Odes	sa, Texas	79761	- Øl			 		
Reason(s) for Filing (Check proper box) New Well		Change is T	renewater of	☐ O@	es (Please expla	iut)				
Recompletion	Oil		ransporter of: bry Gas	Effec	tive Marc	h 1. 10	992			
Change in Operator	Casinghead		Condensate			, . .				
change of operator give name		<u>-</u> -					7			
ad address of previous operator		 								
I. DESCRIPTION OF WELL	AND LEA	SE								
Lesse Name	I	Well No. P	ool Name, lactudi	ing Formation			of Lease		ase No.	
South Culebra Bluff	Unit	1	South Cul	ebra Blu	ff Atoka	State,	Federal or Fee	<u>. </u>		
Location									`*	
Unit Letter G	. : <u> </u>	<u>0</u> F	eet From The 📖	North Lin	and1650) F	eet From The _	East	Line	
Section 23 Township	. 23S	_	tange 28E		.an	Eddy			Carina	
Section 23 Township	, 430	к	tange 28E	N	MPM, E	auy	· · · · · · · · · · · · · · · · · · ·		County	
II. DESIGNATION OF TRANS	SPORTE	OF OIL	AND NATU	RAL GAS						
Name of Authorized Transporter of Oil		or Condensa			e address to wh	ich approved	copy of this fo	rm is to be se	u)	
Pride Pipeline Compa				P.O. Bo	k 2436. A	bilene.	Tx. 79	604		
Name of Authorized Transporter of Casing	thead Gas	<u> </u>	r Dry Gas				copy of this fo		w)	
El Paso Natural Gas			 				Tx. 79	978		
f well produces oil or liquids, ive location of tanks.		:		le gas actuali		When			•	
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DATE LIGHTIEW ON KIND TO THE	Date of Test			· rrouncing Me	thod (Flow, pur	mp, gas iyi, i	j			
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GAS WELL										
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/I. OPERATOR CERTIFICA	ATE OF	COMPL	IANCE	-	VII. 0041	0001	ATION	N. // O / O		
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Division have been complied with and the is true and complete to the best of my kn			above				~ DE CO 172 447	vira		
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Signature		$\overline{}$		By_	ORI	iaiN&LS	CONED BY			
F. D. Schoch	Region	al Man		50 VE WO 1 157 15						
Printed Name 2/25/92 (9	915) 362		itle	Title SUPERVISOR, DISTRICT						
2/23/92 (S										
		, esepti	one No.	11				_		

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 with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

State of New Mexico

Form C-104
Revised October 18, 1994
Instructions on back

The beach Produced From the First 1986 Commercian and Advisor Commercian and Advisor Collections Collecti	District II Bit South First, Artesia, NM 88210 District III 2040 South 1000 Rio Brissos Rd., Asiac, NM 87410 Santa Fe, N					Pacheco 5 Copies IM 87505								
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District I PO Box 1980, Hobbs, NM 88241-1980 District II State of New Mexico
Energy, Minerals & Natural Resources Department

PO Drawer DD, Artesia, NM 88211-0719 District III

OIL CONSERVATION DIVISION PO Box 2088

Instructions on back
Submit to Appropriate District Office
5 Copies

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AMENDER	-

Sania Fe, NM 8/304-2088 Sania Fe, NM 8/304-2088 AMENDED REPORT													
PO Box 2088, S I	PO Box 2008, Santa Fe, NM \$7504-2008 REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT									· · · · · · · · · · · · · · · · · · ·			
Operator name and Address OGRID Number 018890													
RAM ENERGY, INC. 601 N. MARIENFELD,							SUITE 102				Reason for Filing Code		
				ND, TX 7		30114	CO 3-1-98						
	Pl Number					Pool Name Pool Code						Pool Code	
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knowledge and belief. Signature:						Approve			······································			.~.,	
Jandean						Title:		ERVI	SOR, DISTR	CTII			
Printed sanie: Tim Goudeau Tide:							I Date:	K//	D 4 0				
Region Manager						Approval Date: MAR 1 8 1998							
Date: A-20 Al Phone 915-682-0095 This is a change of operator fill in the OGRID number and name of the previous of						rious co-	alor						
l		CO OGRII			and pre-	Tim Goudeau Region Manager 3-16-98							
Previous Operator Signature							d Name			Thu		Date	

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District 1V 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

Form C-104A Revised June 10, 2003

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 1 copy of the final affected wells list along with I copy of this form per
RECEIVED The Bull on that list to appropriate
District Office

Change of Operator

MAR 2 8 7004

CHAI	OCD-ARTESIA
Previous Operator Information:	New Operator Information:
OGRID: Name: RAM Energy, Inc. Address: 5100 E, Skelly Dr Sur Address: Tulsa, OK 74135	Effective Date: 43-15-04 New Ogrid: 2-26-34 New Name: RB Operating Co. ite 650 Address: 5100 E. Skelly Or Suite 650 Address: City, State, Zip: Tulsa, OK 74135
I hereby certify that the rules of the Oil Conservation Divand the attached list of wells is true and complete to the beautiful to the beautif	vision have been complied with and that the information on this form best of my knowledge and belief. A MAR 2004 Complete C
Address: Phone:918/ Previous operator complete below:	7663-2800
• • •	NMOCD Approval
Previous Operator: RAM Energy, Inc.	Signature: Sim tel Stem
Previous OGRID: 18890	Printed Name: District Signature
Signature: Lary & Keys	District:
Printed Name: Larry G. Rampey E-mail Address:	Date: APR 1 2004
30-015-22320	

C-104A Form

JUN-15-2004 14:48

RAM ENERGY INC.

P.01/01 918 663 9540 Page 1 of 1

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Porm C-104A Permit 996

Change of Operator

Previous Operator Information		New Operator Information					
•	•	Bifoctive Date:	03/16/2004				
OGRID:	226634	OGRID:	227588				
	RE OPERATING COMPANY	Name:	REI OPERATING COMPANY				
Address:	5100 B Skelly Drive	Address:	777 Main Street				
Address:	Buite 650	Address:	Smite 800				
City, State, Zip:	Tulsa, CK 74135	City, State, Zip:	Port Worth, TX 76102				
		•					

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the certified list of wells is true to the best of my knowledge and belief.

Previou	a Operator	New Ope	Braton
Signature	Tony & Kastey	Signature:	Justi C. Atio
Printed Name:	Larry G. Rampey	Printed Name:	Luna C. Somes
Title:	SR VP Operations	Title:	ENGINERALING TECHNICIAN
Date:	06/15/04 Phone: 918/663-2800	Dute:	6-15-04 Thomas 819-810-1908

NMOCD	<u>Approval</u>

Electronic Signature: Tim Gum, District II

June 17, 2004 Date: