*BURLINGTON* 

SAN JUAN DIVISION

April 8, 1998

Federal Express

Mr. Michael Stogner New Mexico Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Re: Angel Peak #27

1762'FSL, 973'FEL, Section 11, T-28-N, R-11-W, San Juan County

10.1 CONSERVATION DIVISIO

30-045-25699

Dear Mr. Stogner:

This is a request for administrative approval for a non-standard gas well location in the Basin Fruitland Coal pool.

TAURUS

FARTINGTON NEW MEXICO

Burlington Resources intends to recomplete the Angel Peak #27 in the Basin Fruitland Coal pool by plugging the well back from the Armenta Gallup. This location is considered offpattern for Fruitland Coal.

Production from the Basin Fruitland Coal is included in a 257.48 acre gas spacing and proration unit ("GPU") comprising all of Section 11.

To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

- 1. C-102 plat showing location of the well;
- 2. Plat showing offset owners/operators;
- 3. Affidavit of notification of offset owners/operators;

halfuld

4. Copy of Well Completion Log for original completion.

Three copies of this application are being submitted to all offset owners/operators by certified mail with a request that they furnish your Santa Fe office with a copy of Waiver of Objection, return one copy to this office, and retain one copy for their files.

Sincerely yours

Peggy Bradfield

Regulatory/Compliance Representative

**WAIVER** 

Thereby waives objection to Burlington Resources' application for

location for the Angel Peak #27 as proposed above.

Taurus Exploration USA xc:

Chaparral Oil & Gas

District I PO Box 1980, Hopps, NM 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Revised Februar Instructic

District II PO Drawer OD. Artesia. NM 88211-0719

Submit to Appropriate Distr State Lease OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

District III 1000 Rio Brazos Rd. Aztec, NM 87410

AMENDED

Fee Lease

District IV PO Box 2088, Santa Fe, NM 87504-2088

		WELL	LOCATI	ON AND AC	CREAGE DEDIC	CATION PL	AT	
'API Nun	moer		Pool Code	3		Pool Name	6	
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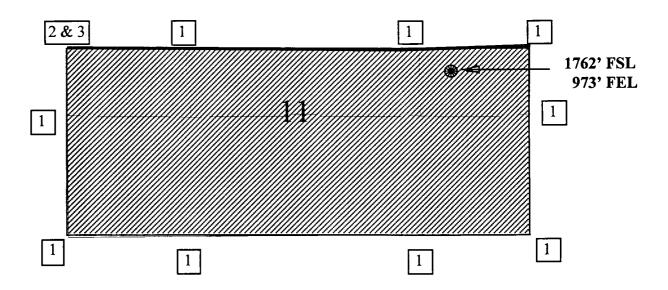
#### BURLINGTON RESOURCES OIL AND GAS COMPANY

# Angel Peak #27 OFFSET OPERATOR/OWNER PLAT Non Standard Location

(Section 11 is a Non Standard Section)

#### **Fruitland Coal Formation Well**

Township 28 North, Range 11 West



- 1) Burlington Resources
- 2) Taurus Exploration U.S.A. 2198 Bloomfield Highway Farmington, NM 87401
- 3) Chaparral Oil & Gas Company P.O. Box B Aztec, NM 87410

Re:

Angel Peak #27

1762'FSL, 973'FEL, Section 11, T-28-N, R-11-W, San Juan County

30-045-25699

I hereby certify that the following offset owners/operators have been notified by certified mail of our application for administrative approval for non-standard well location of the above well.

Taurus Exploration USA 2198 Bloomfield Highway Farmington, NM 87401

Chaparral Oil & Gas Company PO Box "B" Aztec, NM 87410

Peggy Bradfield

Regulatory/Compliance Administrator

Sapry Shud hued

**Burlington Resources** 

April 8, 1998

		UNITE				1	UPLICAT	F.		rm approved. dget Bureau No. 42-R355.5.
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P. 0. Box 8		ngton, Ne	w Mexico	.874	199		!	-	10. FIELD AND	POOL, OR WILDCAT
4. LOCATION OF WEL				with an	:		r	_		nated Gallup
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At total depth	Same as a	above 🚊 🖯			= - 001		EC.	_	-	
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5-26-83	6-4-83	6	-14-83				' R.K.			5730' G.R.
20. TOTAL DEPTH, MD 4	i	G, BACK T.D., MD	▲ TVD   22	IF MUL HOW M	TIPLE COMPL.	, 1	23. INTERV	D DV	ROTARY TOOLS	
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5870' - 603					• !	+ -	! 			SURVEY MADE
5415' - 575	4' Gallu	p					•			No -
26. TIPE ELECTRIC A		RUN					:		- \ 2	7. WAS WELL CORED
DIL-GR, CDL	-UNL-GR		PINC BECO	DD / Bee	ant all attings					No
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9-5/8"	36.00#		319'	12-	-1/4" 319 cu. ft.				-	
7"	23.00#		_5310'	I	-3/4"	147	5 cu.	ft. (	2-stages	$\sum_{i=1}^{n}$
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29.	<u> </u>	LINER RECO	20	1			<u>e atta</u> 10.		t) BING RECOR	<u>. 1</u>
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4-1/2"	5105'	6075'	186 cu				2-3/8"	!	5922	
						-	•	_ _		
31. PERFORATION REC			)		82.	ACIE	, SHOT, F	RACTU	RE, CEMENT	SQUEEZE, ETC.
5860' - 603		29" holes		<b></b>	DEPTH INT	ERVAL	(MD)			OF MATERIAL USED
5415' - 575	23-0.	28" holes				<u> </u>		266	Attachme	nc to the
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DATE OF TEST	HOURS TESTED	CHOKE SE		N. FOR	OIL—BBL.	<del></del>	GAB-MCF.		WATER-BBL.	MDING - GAS-OIL RATIO
7-25-83	24	1-1/4		PERIOD	15		441	1	8	29400
FLOW. TURING PRESS.			GA8	MCP.		ATER-H	86.	OIL GRAVITY-API (CORR.)		
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35. LIST OF ATTACH	UENTS			<del></del> -		<del></del>	- 1		<u>Dennie</u>	DIOWH C CASE
Cementing	and Stimul	<u>ation Rec</u>	ord				<u>*!</u>			
36. I hereby certify	that the foregoin	ng and attached نــــا	information	is comp	plete and corre	ect as d	etermined	from al	available rec	ords -
SIGNED	1. Ldm	unter	TI	TLE _	Engineeri	ing A	7 (	,	_ DATE	9-7-83
	4. Edmiste	<u>r</u>							<u> </u>	

·	<del></del>			-
DATE IN 4/9/98	suspense 4/19/98	ENGINEER M S	LOGGED W	TYPE N5L

ABOVE THIS LINE FOR DIVISION USE ONLY

#### NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

	ADMINISTRATIVE APPLICATION COVERSHEET										
	THIS COVERSHE	EET IS MANDATORY FOR ALL ADMINI	STRATIVE APPLICAT	IONS FOR EXCE	PTIONS TO DIVISION	ON RULES AND REGULA	ATIONS				
Applic	[PC-Po	[NSP-Non-Standard Pr [DD-Directional D Inhole Commingling] [Cool Commingling] [OLS [WFX-Waterflood Expans [SWD-Salt Water Distlined Enhanced Oil Reco	orilling] [SD- TB-Lease Con - Off-Lease Str ion] [PMX-P sposal] [IPI-	Simultaneon nmingling] orage] [O ressure Ma Injection Pr	us Dedicatio [PLC-Pool/I LM-Off-Lease intenance Exessure Incre	n] Lease Commingle Measurement] Expansion] Ease] Code Control Respondence Control	•				
[1]	[A]	PPLICATION - Check Location - Spacing Un NSL NSP  NSP  One Only for [B] and   Commingling - Storage DHC CTB  Injection - Disposal - WFX PMX	nit - Direction DD  [C]  ge - Measurer DPLC	nal Drilling  SD  ment  PC	or [A]	APR - 9 1998  ONSERVATION D  OLM	VISION				
[2]	NOTIFICATE [A]  [B]  [C]  [D]  [E]	Working, Royalty of Working, Royalty of Offset Operators, L  Application is One  Notification and/or U.S. Bureau of Land Mana	easeholders of Which Require Concurrent Augument - Commission, Proof of No.	Royalty I or Surface ires Publis Approval t	Owner  hed Legal Nov BLM or State Land County	Notice SLO					
Regularization Regula	by certify that lations of the Oval is accurate a	I, or personnel under my il Conservation Division and complete to the best in. I understand that any returned with no action	y supervision n. Further, I t of my know y omission of	, have read assert that ledge and	and complicate the attache where appli	ied with all app d application for cable, verify th	olicable Rules and or administrative at all interest (WI,				
Peggy B	radfield laur	Note: Statement must  Signature	be completed by an		/Compliance Adm		Date				

#### BURLINGTON RESOURCES

SAN JUAN DIVISION

April 8, 1998

#### **Federal Express**

Mr. Michael Stogner
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re:

Angel Peak #27

1762'FSL, 973'FEL, Section 11, T-28-N, R-11-W, San Juan County

30-045-25699

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Burlington Resources intends to recomplete the Angel Peak #27 in the Basin Fruitland Coal pool by plugging the well back from the Armenta Gallup. This location is considered off-pattern for Fruitland Coal.

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Sincerely yours,

Sincerely yours,

Peggy Bradfield

Regulatory/Compliance Representative

#### WAIVER

	hereby waives objection to Burlington Resources' application for
non-standard locati	on for the Angel Peak #27 as proposed above.
Ву:	Date:

xc: Taurus Exploration USA Chaparral Oil & Gas Oistrict I PO Box 1980. Hobbs. NM 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Revised February 2.

Instructions (

District II PO Orawer OD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Submit to Appropriate District State Lease - 4 Fee Lease - 3

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

AMENDED RE

District IV PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code <sup>1</sup>Pool Name <u>30-045-25699</u> 71629/2290 Fruitland Coal/Armenta Property Code Well Numbe Property Name 27 ANGEL PEAK 6737 OGRID No. \*Operator Name Elevation BURLINGTON RESOURCES OIL & GAS COMPANY 5730 14538 <sup>10</sup> Surface Location ul or lot no Lot Idn North/South line Feet from the Enst/West line **28N** Ι 11 11W 1762 973 SAN South East <sup>11</sup>Bottom Hole ocation If Different From Surface Section Lot Idn Feet from the North/South line Feet from the East/West line Frt-AII-257.48 Joint or Infill 14 Comeniscention Code Order No. Gal-24 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLID, OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION " OPERATOR CERTIFICA I hereby centify that the information con-true and complete to the best of my know. \*Not re-surveyed: Prepared from plat By: Michael Daly 1983 Dated 23 February. Peggy Bradfield Printed Name Regulatory Administr Title 11-10-97 Date "SURVEYOR CERTIFICA? I hereby centify that the well location shown or wes plotted from fiscial noise of actual surveys r or under my supervision, and that the same is tr-currect to the best of my delief. 973 794 NOVEMBER 4, 1997 24.47 24.27 24.68 24.06 [[]]]]] date of Survey C. EDW 62 

863206,4 ft = (1320)(x)

= \* = 793.98

1762

1320

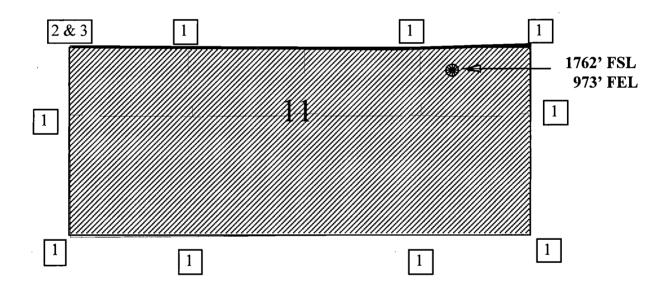
#### **BURLINGTON RESOURCES OIL AND GAS COMPANY**

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(Section 11 is a Non Standard Section)

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Stadfued

Peggy Bradfield

Regulatory/Compliance Administrator

**Burlington Resources** 

April 8, 1998

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TYPE OF WEL	L: OIL WE	LL GAS WELL	] <sub>DI</sub>	17	Other	31		7. UNIT AGREE	MENS NAME
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WELL X	WORK DE	EP. PLUG BACK	DIFF TREST		Other	. 1 2 1		S. FARM OR LE	ASE NAME & &
2. NAME OF OPERAT		<del></del>	<del></del>	<del></del>	121	1 5 1		Angel P	eak 55 EFE
Union Texa	as Petrole	um Corporat	tion		· ·	3		9. WELL NO.	
3. ADDRESS OF OPER						ĝ.		27	
P. O. Box 8						<u> </u>		10. FIELD AND	POOL, OR WILDCAT
4. LOCATION OF WEL				with any		1 .		Undesign	nated Gallup.
i i	1/02 11/30	uth; 973 fi	L/EdSt		REQ	EIVED IN		, OR AREA.	· · · · · · · · · · · · · · · · · · ·
At top prod. Into	erval reported be	Same.	as abo	ve			,	l	, T28N, R11W,
At total depth	Same as	above 🚍 🗄 🖯	<u> </u>		= T 001	2 0 1980		N.M.P.M	
:						ATE ISSUED & PRODUCTION		12. COUNTY OR	13. STATE
, unit ami i e i	igen. Strang in inter-		1 22 52 <u>-</u> 5	<u> </u>	PLORATION	& PRODUCTION	ON FILES	San Juai	n New Mexic
15. DATE SPUDDED	16. DATE T.D. E	REACHED   17. DAT	E COMPL. (	Ready to	prod.)   18.	ELEVATIONS	DF, REB, B		19. ELEV. CASINGHEAD
5-26-83	6-4-83	6-1	14-83			5742' R.	K.B.		5730' G.R.
20. TOTAL DEPTH, MD	A TVD 21. PLU	G, BACK T.D., MD A	TVD   22.	IF MUL	TIPLE COMPL.		TERVALS	ROTARY TOOLS	CABLE TOOLS
607 <b>5'</b>		43'					<u> </u>	0-6075	T TERES
24. PRODUCING INTER			, BOTTOM,	NAME (M	D AND TVD)			5 ( 4.	25. WAS DIRECTIONAL SURVEY MADE
5870' - 603		•			!	- i			
5415' - 575		·							No -
26. TYPE ELECTRIC A		RUN				1. 1.			7. WAS WELL CORED
DIL-GR, CDI	CNL-GR	<u></u>	·-···			<u> </u>			No
29. CASING SIZE	WEIGHT, LB.				ort all strings		MENTING	neconn .	
					1 / All	319 Cu. ft.			
9-5/8"	36.00#		319'		1/4"	<del></del>	7.5		
7"	23.00#		5310'		3/4"	1475 cu		(2 stages	<u> </u>
4-1/2"	11.60#	5105'-	<u>-60/5'</u>	6-	1/4"	186_cu			
· ;	<u> </u>					(see at		***************************************	
29.		LINER RECORD	<del>,</del>		· · · · · · · · · · · · · · · · · · ·	30.		CUBING RECOR	
8120	TOP (MD)	BOTTOM (MD)	SACKS CE		SCREEN (MI	I	!	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	5105'	6075'	186 cu	. ft		2-3/	8"  _	5922	
			<u> </u>					: - :	
31. PERFORATION REC		-			32.	ACID, SHO	T. FRACT	URE, CEMENT S	QUEEZE, ETC.
5860' - 603		29" holes		<b></b>	DEPTH INT	ERVAL (MD)			OF MATERIAL USED
5415' <sup>-</sup> - 57!	54' 23-0.	28" holes				· · · · · · · · · · · · · · · · · · ·	_ _See	Attachmer	nt the
·			-				_		1.5 2.5
:					<u> </u>		_		
		·			<u> </u>	; ,	<u> </u>		
33.* DATE FIRST PRODUCT	ION PROD	CCTION METHOD (	Floroina, ac		UCTION	and type of pu	(mp)	WELL ST	ATUS (Producing or
7-11-83		umping			:			ahut-ii	<b>n)</b> 2. 二三年工工工具 2
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N		OIL-BBL.	GAS-	ICF.	WATER-BBL.	nping - GAS-OIL BATIO
7-25-83	24	1-1/4"	TEST	PERIOD	15	44	1	0	29400
FLOW. TUBING PRESS.	CASING PRESSU	RE   CALCULATED	OIL-I	BL.	GA8-		WATER-	-HBL   O	IL GRAVITY-API (CORR.)
40	174	24-HOUR RAT	15		1	441	1	8	40°
34. DISPOSITION OF G.		r fuel, vented, etc.)				- 7	<u>'</u>	TEST WITNESSE	
Sold .						ž ,		Bennie B	3rown
35. LIST OF ATTACH	STKIM							2 to 6 to 7	
Cementing	and Stimul	ation Reco	rd					그릇들(급성)	
36. I hereby certify	that the foregoi	ng and attached i	nformation	is comp	lete and corre	- 2	ned from	all available reco	ords -
J.(	y. Zdm	ister.		=	naineari	ing Analy	rc t	### T 1	9-7-83
SIGNED	Fdmiste	r	TI	TLE	<u>ny meeri</u>	ing Allaly	36	DATE _	3-1-03 :: -

submitted in lieu of Form 3160-5

#### UNITED STATES

# DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

		<u> </u>	·
Sundry Noti	ces and Reports on Wells?	: 23	
	077 FASAMAGTO	i Nil 5.	Lease Number SF-047017A
1. Type of Well GAS	019 Lysum C.	6.	If Indian, All. or Tribe Name
		7.	Unit Agreement Name
2. Name of Operator			
RESOURCES OIL &	GAS COMPANY		
3. Address & Phone No. of Operato	or	8.	Well Name & Number Angel Peak #27
PO Box 4289, Farmington, NM		9.	API Well No. 30-045-25699
4. Location of Well, Footage, Sec 1762'FSL, 973'FEL, Sec.11, T-		10.	Field and Pool Basin Fruitland Coa
	,,	11.	Armenta Gallup County and State San Juan Co, NM
12. CHECK APPROPRIATE BOX TO IND			DATA
Type of Submission	Type of Actio		
_X_ Notice of Intent		Change of Pl	
	<del></del>	New Construc	
Subsequent Report		Non-Routine	<del>-</del>
		Water Shut o	
Final Abandonment	Altering Casing Control Casing C	Conversion t	o Injection
13. Describe Proposed or Comple	oted Openations		
13. Describe Proposed of Compi	eced Operations		
	te the subject well in the tached procedure and well lugged and abandoned.		
		-	
14. Thereby certify that the	foregoing is true and cor	rect	
$\mathcal{L}$	(PMPOpps) Title Regulato:		ator_Date 11/20/97
(This space for Federal or State APPROVED BY /S/ Duane W/Special	Office use)Title	Date UEU	; -4 1997
CONDITION OF APPROVAL, if any:			

(H)

State of New Mexico To Foregreen February
Energy, Minerals & Natural Resources Department OR NS (Revised February)
Toether Inches District I .PO Box 1980, Hopps, NM 88241-1980 Instructions District II PO Drawer OD, Artesia, NM 88211-0719 Submit to Appropriate Distric State Lease -OIL CONSERVATION DIVISION RECEIVED. Fee Lease -PO Box 2088 District III 1000 Rio Brazos Rd., Aztec. NM 87410 Santa Fe, NM 87504-2088 81M 97 1101 25 FIT 2: 25 AMENDED R District IV PO Box 2088. Santa Fe, NM 87504-2088 WELL LOCATION AND ACREAGE DEDICATIONOPL Pool Code 'API Number Basin Eruitland Coal/Armenta Gallum Well Num 30-045-25699 71629/2290 Property Name Property Code 27 ANGEL PEAK 6737 Elevati 'OGRID No. \*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY 5730 14538 10 Surface Location UL or lot no. Section Lot Idn Feet from the North/South line Feet from the Emperior Lan SAN 28N 11W 1762 973 East Ι 11 South 11 Bottom Hole Location If Different From Surface UL, or lot no. Sect ton Feet from the North/South line Feet from the FAST/MINE LINE Trt-All-257.43 Joint or Infill Commondation Code Ga1-24 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLI OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION "OPERATOR CERTIFIC: I hereby centify that the information constate true and complete to the best of my knowledge \*Not re-surveyed: Prepared from plat By: Michael Daly Dated 23 February. 1983 Peggy Bradfield Printed Name Regulatory Administ: 11-10-97 Date "SURVEYOR CERTIFICA I hereby centify that the well location and was plotted from right notes or actual surv or under my supervision, and that the same convect to the best of my belief. 973 NOVEMBER 4, 1997 Date of Survey C. EDWA 762 

For

#### ANGEL PEAK #27 FRTC Recompletion Procedure I 11 28 11 San Juan County, N.M.

Lat-Long: 36.674194 - 107.966934

**PROJECT SUMMARY**: Plugback this 1983 vintage depleted Gallup well to the FRTC and foam frac.

- 1. Comply to all NMOCD, BLM, and MOI rules and regulations. MOL and RU completion rig. NU 7-1/16" 3000 psi BOP w/flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.
- Set blanking plug in S.N. of 2-3/8" tbg @ 5859' and test to 3000 psi. TOH w/2-3/8" tbg. Run 4-1/2" gauge ring on 2-3/8" tbg to 5350'. TOH. Run 4-1/2" cmt ret on 2-3/8" tbg and set @ 5350'. Sq Gallup perfs w/120 sx cmt. This will fill inside 4-1/2" csg from bottom perf to cmt retainer w/100% excess cmt. Sting out of ret and spot 5 sx on top cmt ret.
- 3. PU tbg and spot 15 sx cmt 5155'-5055'. This will fill inside csg 50' above and below top 4-1/2" liner w/50% excess cmt.
- 4. PU tbg and spot:20 sx cmt 3460'-3560'. This will fill inside the csg 50' above and below top of Mesaverde w/50% excess. Spot a 15 sx cmt balanced plug w/top @ 1900'. TOH.
- MI Blue Jet. Run an advanced integrated data processed GSL neutron log 1900'-1300' and correlate to attached open hole log. Hot-shot log to Mike Pippin (326-9848) so perfs can be picked. Run 7" pkr on 2 jts 2-7/8" 4.7# N-80 tbg and pressure test to 3500 psi. TIH w/2-3/8" tbg open ended and spot 250 gal 7-1/2% HCL acid 1815'-1400'
- 6. Using GSL log, Perf about 50' of FRTC w/2 spf from about 1816' to 1400'. Perf using 3-1/8" hollow steel carrier guns loaded w/Owen HSC 13 gm. charges phased at 180 degrees. Average perf dia. = 0.48". Average penetration is 18" in Berea.
- 7. Fill 3 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Two tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 448 bbls.
- 8. TIH w/7" pkr on 2-3/8" tbg and set @ 1300'. W/1000 psi on backside, breakdown FRTC perfs w/2000 gal. 15% HCL acid and 150% excess 7/8" 1.3 sp gr RCN perf balls. (1 gal/1000 corrosion inhibitor). Max. pressure is 4150 psi. Lower pkr to 1820' to knock off perf balls. TOH.
- 9. Run 7" pkr on 2 jts 3-1/2" N-80 tbg w/shaved collars to protect wellhead. Frac FRTC down csg w/62,000 gals. of 70 quality foam using 30# gel as the base fluid and 120,000# 20/40 Arizona sand. Pump at 70 BPM. Monitor bottomhole and surface treating pressures, rate, foam quality, and sand concentration with computer van. Sand to be tagged w/ 3 RA isotope tracers. Max. pressure is 3500 psi and estimated treating pressure is 3200 psi. Treat per the following schedule:

	Foam Vol.	Gel Vol.	Sand Vol.
<u>Stage</u>	<u>(Gals.)</u>	(Gals.)	<u>(lbs.)</u>
Pad	12,000	3,600	
1.0 ppg	10,000	3,000	10,000
2.0 ppg	20,000	6,000	40,000
3.0 ppg	10,000	3,000	30,000
4.0 ppg	10,000	3,000	40,000
Flush	<u>( 849)</u>	(255)	0
Totals	62.000	18.600	120,000#

Treat frac fluid w/the following additives per 1000 gallons:

\* 30# J-48 (Guar Gel mix in full tank - 16,000 gal) \* 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)

\* 1.0# GVW-3 (Enzyme Breaker mix on fly)

\* 1.0# B - 5 (Breaker mix on fly) \* 3.0 gal Fracfoam I (Foamer mix on fly)

\* 0.38# FracCide 20 (Bacteriacide mix on full tank)

- 10. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed. Take pitot gauges when possible. TOH w/pkr.
- 11. TIH w/notched collar on 2-3/8" tbg and C.O. to 1900' w/air/mist. Monitor gas and water returns and Take pitot gauges when possible.
- 12. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log and perf eff log from 1900'-1300'.
- 13. TIH w/2-3/8" 4.7# J-55 EUE tbg w/standard seating nipple one joint off bottom and again cleanout to 1900'. When wellbore is sufficiently clean, land tbg @ 1750' KB. Take final water and gas samples and rates.
- 14. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended

Approved

Team Leader

VENDORS:

Wireline: Blue Jet 325-5584 Fracturing: BJ 327-6222 RA Tag: **Pro-Technics** 326-7133

**PMP** 

#### Pertinent Data Sheet - ANGEL PEAK #27 FRTC

1 11 28 11

Location: 1762' FSL & 973' FEL, Unit I, Section 11, T28N, R11W, San Juan County, New Mexico

Field: Basin Fruitland Coal

Elevation:

5730' GL

TD:

6075' **PBTD:** 6043'

KB=12'

Lease#: Fed. SF-047017A

**DP #:** 32485B

**GWI:** 100% NRI: 87.50% Prop#:

#### Casing Record:

**Spud Date: 5/26/83** 

Hole Size	Csg Size	Wt. & Grade	Depth Set	Cement	Cement (Top)
12-1/4"	9-5/8"	36# K-55	319'	319 cf	Circ Cmt
8-3/4"	7"	23# K-55	5310'	1410 cf	Circ Cmt
		Stage Tool @	1981'	1065 cf	Circ 15 BBL Cmt
6-1/4"	4-1/2"	11.6# K-55	<b>5105</b> '-6075'	186 cf	Circ 75 BBL Cmt

#### **Tubing Record:**

2-3/8"

4.7# J-55

5922'

187 Jt

S.N. @ 5859'

#### Formation Tops:

Ojo Alamo:	600'	Chacra	2410'
Kirtland Shale:	830	Mesaverde	3510'
Fruitland:	1350	Point Lookout	4200'
Pictured Cliffs:	1820'	Gallup	5400'

Logging Record: Induction Log, Density-Nuetron Log, Temp (Gallup), CBL (4-1/2" csg).

Stimulation: Perfed lower Gallup w/1 spf @ 5870', 78', 88', 5900', 10', 20', 30', 40', 50', 63', 74', 84', 94', 6004', 14', 25', 34'. Total 17 holes. Fraced w/80,000# sand in 75Q foam. Perfed upper Gallup w/1 spf @ 5415', 33', 50', 68', 88', 5515', 36', 55', 74', 94', 5615', 36', 48', 58', 66', 80', 92', 5702', 121', 21', 34', 42', 54'. Total 23 holes. Fraced w/180,000# sand in 70Q foam.

Workover History: 1/26/94: TOH w/tbg & rods, cleaned tbg, reran tbg, pressure tested - OK, did not rerun rods.

MMCF

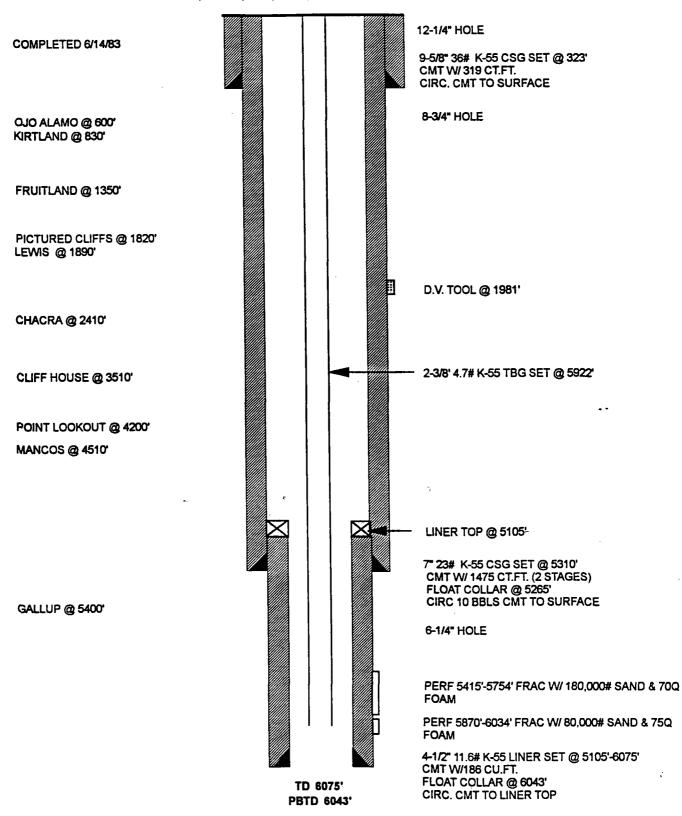
Production History: Gallup cum = 8 MINOF & 246,458 BD. No Gallup reserves are currently booked. See attached Gallup production curve. This well is on the Rudy-Zachry compression system.

Pipeline: BROG

#### **ANGEL PEAK #27**

#### AS OF 6/6/94 ARMENTA GALLUP

UNIT I, SEC 11,T28N, R11W, SAN JUAN COUNTY, NM





#### United States Department of the Interior

#### **BUREAU OF LAND MANAGEMENT**

Farmington District Office 1235 La Plata Highway Farmington, New Mexico 87401

IN REPLY REFER TO:

Attachment to Notice of

Intention to Workover

Re: Plug Back and Recomplete

Well: 27 Angel Peak

#### **CONDITIONS OF APPROVAL**

- 1. Move the Mesaverde cement plug from 3460'-3560' to 3444'-3344' inside the 7.0" casing. (28 sks. cement -- 100' plus 50 linear feet excess) (Mesaverde top @ 3394')
- 2. Place a cement plug from 2460' to 2360' inside the 7.0" casing plus 50 linear feet excess cement. (28 sks. cement) (top of Chacra @ 2410')
- 3. **Mike Flaniken** with the Farmington District Office is to be notified at least 24 hours before the workover operations commence (505) 599-8907.

District I ... PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, & Natural Resources Department

Form C-104 Revised February 21, 1994

District II P.O Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

Instructions on back Submit to Appropriate District Office

District III 1000 Rio Brazos Rd.,	, Aztec, NM 87410				PO Bo	x 2088	101011	5 Copies				
District IV PO Box 2088, Santa	Fe. NM 87504-202	8		S	Santa Fe, NM		88			□ A	MMEND	ED REPORT
I.		UEST F	OR AL	LOWAE	BLE AND A	UTHORIZ	ATION	TO TR	ANSPO			
			Operator N	ime and Ad	dress	<del></del>					Number	
	ington R	esourc	es Oil	& Gas						145		
	ox 4289 ingtón,	NM 874	99						<sup>3</sup> Reas	son for	Filing Cod	e
								Ì	CO	- 7	/11/96	
	*API Nun 30-045-2					l Name A GALLUP				° Pool 22		
	<sup>7</sup> Property 6					rty Name L PEAK			9	Well N	lumber 17	
LII. <sup>10</sup> Surfa	ce Locatio							<u> </u>			· · · · · ·	
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11 Bottom UI or lot no.	Hole Loca	Townsl	nin R	nge	Lot.Idn	Feet from the	North/South	Line Fee	t from the	East/	West Line	County
										<u> </u>		
12 Lse Code	11	Producing M	ethod Code	"Gas C	onnection Date	15 C-129 Permi	t Number	<sup>16</sup> C-129 I	Effective Da	ite	<sup>17</sup> C-129	Expiration Date
III. Oil and	d Gas Tra	nsporte	rs .									
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		<u></u>										
VI. Well	Test Data		L			_l						
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<sup>40</sup> Choke Size		" Oil		42 Water	r	43 Gas		4 AOF			43 Test M	ethod
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knowledge and	i belief.	_	mu c	piere to ti	ven vi mj							
Signature:	How le	ag .				Approved by:	Frank	T. Cha	vez			
Printed Name: Dolores Di	ıaz					Title:	Distri	ct Supe	ervisor			
Title: Production	n Associate	e				Approved Date	e: July	11, 199	6			
Date:	. ,,5500140	ī		Phone	306-0700	1						<del>. , , , , , , , , , , , , , , , , , , ,</del>
7/11/96	ange of operato	or fill in the (	OGRID num	<del>-</del>	326-9700 ne of the previous o	perator			<del></del>		<del> </del>	
14538 Meridian					-	Printed Name		Title			Dat	
li	<b>^</b>										Date	
Signature:	Alono U	ago.				Dolores Diaz		Production	n Associate		7/11/	96

#### State of New Mexico

Form C-104

District II P.O Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410

Form C-104
Revised February 21, 1994
OIL CONSERVATION DIVISION
FOR Submit to Appropriate District Office
PO Box 2088

Form C-104
Revised February 21, 1994
Instructions on back

District IV PO Box 2088, Santa					anta Fe, NM						ED REPORT
I.	REG		OR ALI Operator Na		LE AND A	U <b>THORIZ</b> A	ATION	TO TRAN		T ID Number	<del></del>
MERI	DIAN OI	L, INC.	•							4538	
	ox 4289	NM 8749	20						<sup>3</sup> Reason	for Filing Code	;
raim					DHC-100	9			CO/0	9-01-95	
	4 API N 30-45-2				Pool, ARMENTA	Name GALLUP				ool Code 3188	
	<sup>7</sup> Propert 7121					ty Name PEAK				ell Number #27	
II. 10 Surfa	ice Locat	tion							-		
UI or lot no. I	Section 11	Townsh 02		inge 011W	Lot.Idn	Feet from the 1762	North/South I S	Feet fro		ast/West Line E	County SAN JUAN
11 Bottom											
UI or lot no.	Section	Townst	nip Ra	inge	Lot.Idn	Feet from the	North/South 1	ine   Feet fro	m the E	East/West Line	County
12 Lse Code		<sup>13</sup> Producing M	ethod Code	14 Gas Co	onnection Date	13 C-129 Permit	Number	¹º C-129 Effe	ctive Date	17 C-129 I	Expiration Date
III. Oil an											
OC	nsporter GRID		Transporter and Addre	ss	20 P	OD 		<sup>21</sup> O/G		and Des	TR Location scription
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9(	018	5764 U	INDUSTRIES,		1315	5210		0	3	I-11-T02	8N-R011W
		PARMIN	STON, NM 8	7401						· · · · · · · · · · · · · · · · · · ·	
IV. Produ	iced Wat		C.D.			1	24 DOT	NUL OTD I	4: 4 D		
			OD					O ULSTR Loca	ation and D	escription	
V. Well C	Completion of Date	on Data	26 Ready D	ate	27 ·	TD		<sup>28</sup> PBTD		29 Perfe	orations
					<u> </u>						
	<sup>30</sup> Hole Size		31 (	Casing & Tu	bing Size		<sup>2</sup> Depth Set			" Sacks Cer	ment
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VI. Well  ** Date New O		a " Gas Delive	ery Date	³º Test I	Date	"Test Length		38 Thg. Press	ure	<sup>19</sup> Csg. Pi	ressure
40 Choke Size		4 Oil	,	<sup>42</sup> Water	•	43 Gas		44 AOF		* Test Me	ethod
46 I hereby cerwith and that the knowledge and Signature:	the information d belief.	on given above			ve been complied ne best of my	Approved by:		NSERVA	8	DIVISIO	N
Printed Name Dolores D						Title:				.01 //0	
Title: Production	n Assista	int				Approved Date	e:	0CT -	4 1995		
Date: 27 Septem					326-9700						
1			OGRID num	ber and nam	e of the previous of						
P	revious Opera	ntor Signature			Pr	inted Name	Title			Dat	e

Submit 5 Cooles
Appropriate District Office
DISTRICT!
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

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

DISTRICT II P.O. Drawer DD, Aricala, NM \$8210

OIL CONSERVATION DIVISION P.O. Box 2088

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

Santa Fe, New Mexico 87504-2088

		EST FO								ION OIL	CONSERv	JN DIV	ISION
Operator MERIDIAN OIL INC.									<u> </u>		IPI NO RES		
Address P. O. Box 4289, Farmii	naton.	New M	exic	n 87	499				<del></del>	,90	JUL 30	nn 8	28
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of change of operator give same union	Texas	s Petro	oleur	m Corp	orat	ion,	Р.	0. E	Sox	2120	, Houst	on, TX 7	7252-2120
IL DESCRIPTION OF WELL A	AND LE	ASE											•
Lease Namo ANGEL PEAK		Well No. 27	Pool N	iame, Inclu		GALL	HP				of Lease Pederal or Fe		24 No. 047017A
Location					<u> </u>	- G/TEE		<u> </u>		ــــــــــــــــــــــــــــــــــــــ			
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Section 11 Township		28N	Range	11W	! 	, NI	мрм,	S	AN	JUAN			County
III. DESIGNATION OF TRANS	SPORTE	R OF O	IL AN	ID NAT	URAL	GAS							•
Name of Authorized Transporter of Oil Meridian Oil Inc.	ΙΧ̈́	or Conden			Add	ress (Giv						form is to be se M 87499	
Name of Authorized Transporter of Casing	head Gas		or Dry	Gas [X								form is to be se	
Union Texas Petrolrum  Y well produces oil or liquids.	Corp.;		<u>ليا</u>		P.				Но			7252-212	0
pive location of tanks.	l Case 1	Sec.	Twp.	Rg	e. Is ga	s actuall	iy com	lected?		When			
If this production is commingled with that f  IV. COMPLETION DATA	rom any oth	er lease or	pool, gi	ive commin	igling or	der num	ber.						
Designate Type of Completion	· 00	Oil Well	1	Gas Well	Ne	w Well	Wo	rkover	Ţī	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded		pl. Ready to	Prod.		Tota	l Depth	L	<del></del>	ل		P.B.T.D.	<u> </u>	<b>_</b>
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V. TEST DATA AND REQUES	TEOD	III OW	ADIE	· -							<u> </u>		
OIL WELL (Test must be after to												for full 24 hou	es.)
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GAS WELL	<del></del>		· · · · ·						9 5 10	Ut, <sup>e</sup>	11-		
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VI. OPERATOR CERTIFIC					$\neg \Gamma$						ATION	DIVISIO	
I hereby certify that the rules and mount Division have been complied with and	tnat the info	emation gi				. (	UIL.	. COI	AQ.		JUL 0.3	DIVISIO 1990	
is true and complete to the best of my l	26		,			Date	e At	prove				1 /	
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196		er Erland			. j.		7	TOTAL CONTROL OF			·		

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

- 1) Request for allowable for newly drifted 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 Contes
Appropriate District Office
DISTRICT |
P.O. Box 1980, Hobbs, NM 88240

#### State of New Mexicon CONSERVATION DIVISION Energy, Minerais and Natural Resources Departmental VED

Form C-104 Revised 1-1-89 See instructions

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

## OIL CONSERVATION BYVISION AM 11 11

P.O. Box 2088

Santa Fe, New Mexico 87504-2088 DISTRICT III
1000 Rio Brazos Rd., Azzec, NM 87410

I.						AUTHORIZ				
Operator				<u>var UIL</u>	אייי אאן	TURAL GA		API No.		
Union Taxas Petrol	leum Co	ornorar	ion				44 CIT \	, a redu		
Address					10	<del></del>				
	ouston	, Texas	77.	252-212		_ /#*				
Reason(s) for Filing (Check proper box) New Well		C	T	100 m²	Quhe	et (Please explai	iun)			
New Well Recompletion	On	Change in	,	_						
Recompletion	Oil Casinghea	ad Gas 🛄	Dry Gas Condens							
If change of operator give name	ughe			<u> L</u>					<del></del>	
and address of bisalons obstatos										
II. DESCRIPTION OF WELL A	UND LF		CA	lemen						
Lease Name	<u></u>	Well No.		me, includir	ng Formation			of Lease		case No.
Angel Peak		27		Gallup	_			Federal or Fee		47017A
Location		71.7		· ·	<	1.	72			
Unit Letter	.:	762	Feet Fro	xm The	<u> </u>	e and	1 <u>.</u> 5	eet From The	5	Line
11	^-						~	,	· 1 . 1	
Section Township	_25	7V_	Range	111	M, MA	мрм,		W 7 7	HL1	County
III. DESIGNATION OF TRANS	<u>SPORTE</u>	ER OF O	LAN	D NATU						
Name of Authorized Transporter of Oil		or Conden			Address (Give	e address to wh				
Meridian Oil Inc.						3ox 4289,				
Name of Authorized Transporter of Cause	•	055	or Dry	Cas		e address to wh				
Union Texas Petro			Terr	·		Box 2120,			77252-21	۷.
ilf well produces oil or liquids, give location of tanks.	Unit 1	Sec.	Twp.	ı Rge.	is gas actually	y connected?	When	<b>1</b>		
If this production is commingled with that f	TOM service	her lesses	noni	e commission	ine anter	ner:				
IV. COMPLETION DATA	any O	PERSON	, sur, g1\	- ~maning	viver BUID					
		Oil Well	10	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Designate Type of Completion			i_		j					
Date Spudded		npi. Ready to	) Prod.		Total Depth			P.B.T.D.		
Floretions (DE DED POR CO	Need	Dpn-6-	YERRAL		Top Oil/Gas I	Pay		Tubi-	th .	
Elevations (DF, RKB, RT, GR, etc.)	invame of .	Producing Fo	Justica		JWG46	•		Tubing Dept		
Perforations	<u>:</u>				<u></u>			Depth Casin	ng Shoe	
			_						-	
		TUBING	CASIN	NG AND	CEMENTI	NG RECOR	<u>vo</u>			
HOLE SIZE	<del></del>	ASING & TU				DEPTH SET			SACKS CEM	ENT
					!		-			
	<u> </u>				· -					
V. TECT DATA AND DECE	TEAR	ALLOW	ARIF							
V. TEST DATA AND REQUES OIL WELL  Test must be after to					t be equal on	* exceed time -!!	'owable for a	is depth ~ b-	for full 24 b-	<b>#3.)</b>
Date First New Oil Run To Tank	Date of T		_, .oad	MILE		r exceed top alle lethod (Flow, pr			A4 NO.	
THE PARTY OF THE PARTY OF THE	,m2 Of 1	. <del></del>			The state of the s	β				
Length of Test	Tubing P	Tesaure			Casing Press	nis		Choke Size	1	
		-			<u> </u>					
Actual Prod. During Test	Oil - Bbls	\s.			Water - Bois			Gas- MCF	-	
	1									
GAS WELL				_						
Actual Prod. Test - MCF/D	Length of	V Test			Bbis. Condet	asse/MMCF		Gravity of		
						1177			an many many prompty	- 1
Testing Method (puot. back pr.)	Tubing !	Pressure (Shu	и-ш)		Casing Press	sure (Shut-in)		Choke Size	-	
VI. OPERATOR CERTIFIC	'ATE C	FCO	) I A .	1CE	-ir					
VI. OPERATOR CERTIFIC  I hereby certify that the rules and regul				E	(	OIL CON	NSERV	'ATION	DIVISION	NC
Division have been complied with and	that the inf	formsuoe giv		e	- 11					
is true and complete to the best of my			, <b></b>		Date	e Approve	A br	IUG 28	1989	
// 41	12	• ,			القر	€۰۰ الإلماء -	<u> </u>	<u></u>	,	
1 unette	ريك	00			By_		منده	). Eh		
Signature Annette C Rich	)V -	م فر کارو	'ρα '	Secrtry					STRICT #	# 3
Annette C. Bist	<u> </u>	nv & R	Tiue	المال المال	11				•	•
08-09-89		(713)9		012	Title	) <u> </u>		<del></del>	<del></del>	
Date		<del></del>			tt.					

### \*\*\* W

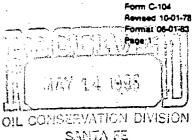
- INSTRUCTIONS: This form is to be filed in compliance with Rule 1104 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance
- with Rule 111. 2) All sections of this form must be filled out for allowable on new and recompleted 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 rock in multiply commissed mallo

#### STATE OF NEW MEXICO ENERGY -- MINERALS DEPARTMENT

mg, er 1 mmmg 444		Τ	
DISTRIBUTE	0-44		Ī.
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FILE		1	
U.A.B.A.	1		
LAGO OFFICE		T	
TRAMPORTER	OIL		
	-		
OPERATOR			
-	*CX		•

#### OIL CONSERVATION DIVISION TO THE P. O. BOX 2088

SANTA FE, NEW MEXICO 87501



## REQUEST FOR ALLOWABLE

OPERATOR		•	AND	— ·	INTA SE	, , ,
PROBATION OFFICE	AUTHOR	IZATION TO TRAN	SPORT OIL AND	NATURAL GAS	ANTA FE	,
						<del></del>
Union Texas Petroleum	n Corporat:	ion				
Address	. 001,001,40			ALCOHOL: NO.	<del></del>	
P. O. Box 1290, Farm	ington, New	w Mexico 87499		$\mathcal{H}_{i}$	48	محتصد ا
losson(s) for filing (Check proper box	7		Other	(Please expinia)		2171
Now Wall .	57	Transporter at:	·	A.D.	72:	
Recompletion	<u> </u>		Dry Gas			· · ·
Change in Ownership		nahoed Ges	Condenseto		IST. 3	
change of ownership give name		16	2/)	D	ist a	
nd address of previous owner	<del></del>		<del></del>	<del></del>		<del></del>
L DESCRIPTION OF WELL AN	D LEASE					
Jess Name	Well No.	Pool Name, lociuding	Formation	Kind of Lease	Federal	Lease No.
Angel Peak	27	Armenta Gal	lup	State, Federal or F	• SF	047017 <i>-P</i>
_ocution	.0	طخيين	. 072		Гэ <b>с</b> +	
Unit Letter I : 176	2 Feet Free	The SOUTH	973	Feet From The _	EdSt	
Line of Section 11 Tor	-nahip 28	N Rance	11W	NMPM. San Ju	ian	County
Line of Section 5 - 700				3411 00	<u> </u>	County
II. DESIGNATION OF TRANSI	PORTER OF	DIL AND NATURA	I GAS			
Number of Authorized Transporter of CII	XX or C	veeurcie	Ascress (Give as	idress to which approved co	py of this form is	to be sent;
Conoco, Inc. Surface				1429 Bloomfield.		
Name of Authorized Transporter of Car		•• —	1	1000 Forming to		
Union Texas Petroleum			Is gos octually c	1290, Farmington,	N.M. 8749	•
f well produces oil or liquids, tre location of tanks.	Unit Sec.	28N 11W	Yes	Dublected \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
this production is commingled wit			, Sive comminging	Condet unmoet:		
OTE: Complete Parts IV and	V on reverse si	ide if necessary.				
I. CERTIFICATE OF COMPLIA	NCF			DIL CONSERVATION	DIVISION	
			11	_		
ecreby certify that the rules and regulation complied with and that the information	ons of the Oil Co	nservation Division have id complete to the best of	APPROVED.	<del></del>		. 19
/ knowledge and belief.	, , , , , , , , , , , , , , , , , , ,	,	BY	Drank		
				***	Section converse	<b>.</b>
	// //	2/	TITLE	**************************************	7	
Kon A S	Kallle		f i	is to be filed in compl		
Kenneth E. Roddy Signal	ine)		If this is well, this form	a request for allowable to must be accompanied to	for a newly drill	ed or deepens
Area Production Super			tests taken or	the well in accordance	AITH MALE 11	1.
Thi	(e)	<del></del>		ons of this form must be and recompleted wells.	uned out combi	enely for allow
4/26/85			Fill out o	mly Sections I. II. III.	and VI for the	nges of owner
(Dat	*/		well name or n	sumber, or transporter, or	other such chang	re of condition
		•	Separate completed well	Forms C-104 must be !	Iled for each p	oci in multipi:

IV. COMPLETION DATA										
Designate Type of Completio		OTT MeTT	Gas well	Now Well	Warzover	Despan	Plug Bocz	Same Reev.	. Dut. 7	
Data Spudded	Date Compi. Resay to Prod.		704.	Total Depth	<i>p</i>		P.B.T.D.	P.B.T.D.		
Elevenose (DF, RKB, RT, GR, etc.,)	Name of Proc	evene Form	ratt on	Top OIL/Gas	⇒ Pay		Tubing Dept	<b>42</b>		
Pertorations	<del></del>			<del></del>			Depth Comin	ng Shoe		
		TUBING, C	CASING, AND	CEMENTIN	NG RECORD					
HOLE SIZE CASING & TUBING SIZE					DEPTH SET		SA	ACXS CEMEN	17	
	-			1			+	<del></del>		
							<u> </u>			
				1	•		1			
v. TEST DATA AND REQUEST I	FOR ALLO	WARLE (7	Toos must be af able for this des	iter recovery	of socal volum 'ull 24 hours)	o of load oil	and must be ex	qual to or east	100 top (	
Date First New Oil Run To Tonce	Dese of Test	•		Producing A	isthet (Fice,	pump, gas i	ift, esc.		بالبندة ا <sub>لوا</sub> اد بيد.	
Length of Test	Tuning Press	NET	<u> </u>	Casing Pres	neuro.	·	Chose Size	<del></del>	·	
Astroal Press, During Test	GU-Bhe-			Weser-Bhie	•	<del></del>	Gas-HCF	<del></del>		
							1			
AS WELL			•							
	Longth of Tee	et		Bhis. Conse	madis/AACF		Gravity of Co	'anceneate-		
Trosting meeting (passe, seek pr.)	Tuhing Press	we ( Date-1	12)	Coated Pres	sure ( Shet-1	<u>(*)</u>	Chose Size			

## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

10. 00 100×10 100	-	T	_	
DISTRIBUTI	O#		1	
SANTA PE				
FILE				
U.S.G.S.				
LAMO OFFICE	LAMO OFFICE			
TRAMSPORTER	OIL			
	GAS			
OPERATOR				
PROBATION OF				

#### OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

	Form C-104 Aevised 10-01-77 Formal DE01-83	8
	NOV - 8 1991	
OIL CC	NSERVATION DIVISION SANTA FE	

## REQUEST FOR ALLOWABLE. AND

1 PROBATION OPPICE	PORT OIL AND NATURAL GAS
Coperator	
Union Texas Petroleum Corporation	·
D. O. Poy 1200 Commington New Movies 97400	
P. O. Box 1290, Farmington, New Mexico 87499 Reeson(s) for filing (Check proper box)	Other (Please explain)
New Well Change in Transporter of:	.007.07.24
	ondensore
Classes in Comments	Carponnaria.
If change of ownership give name and address of previous owner	
H DESCRIPTION OF WITH AND IF ACT	
II. DESCRIPTION OF WEIL AND LEASE   Lease Name   Weil No.   Pool Name, including F	ormation Kind of Lease Lease No.
Angel Peak 27 Armenta Gallu	p State, Federal or Fee Fed. SF 047017-A
Location	
Unit Letter I : 1762 Feet From The South Lin	ne and 973 Feet From The East
Line of Section 11 Township 28N Range	11W , NMPM. San Juan County
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL	Address (Give address to which approved copy of this form up to be sent)
Gary Energy Corporation -	P. O. Box 489, Bloomfield, N.M. 87413
Union Texas Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids.   Unit   Sec.   Twp.   Rgs.	P. O. Box 1290, Farmington, N.M. 87499
give location of tanks. I 11 28N 11W	Yes '
If this production is commingied with that from any other lease or pool,	give commingling order number:
NOTE: Complete Parts IV and V on reverse side if necessary.	
VI. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISION
I hereby certify that the rules and regulations of the Oil Conservation Division have	APPROVED 19
been complied with and that the information given is true and complete to the best of	Sand Sall
my knowledge and belief.	BY Sound Aug
	TITLE CHECKY : CHECKET (2.3
Kenneth E. Koldy	This form is to be filed in compliance with RULE 1104.
Kenneth E. Roddy (Signature)	If this is a request for allowable for a newly drilled or despended well, this form must be accompanied by a tabulation of the deviation
Area Production Superintendent	tests taken on the well in accordance with RULE 111.
9/27/84	All sections of this form must be filled out completely for allowable on new and recompleted wells.
3/2//04 (Date)	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.
	Separate Forms C-104 must be filed for each pool in multiply completed wells.

IV. COMPLETION DATA							•	•		
Designate Type of Complet		OII Mell	Gas Well	New Well	Workover	Deepen	Plug Book	Same Resty.	DILL Re	
Dess Syudded	Dete Compl. I	Resty to Pr	od.	Total Dept	h		P.B.T.D.	<del></del>	<del></del>	
Eleveniene (DF. RKB. RT. GR. etc.)	Name of Producing Formation			Top OIL/Go	Pdy	······································	Tuhing Depth			
Performulone	<del></del>						Depth Casu	ng Shoe	· · · · · · · · · · · · · · · · · · ·	
		UBING, C	ASING, AN	D CEMENT!	NG RECOR	<del></del>		·		
HOLE SIZE		. & TUBIN			DEPTH SE		SA	CKS CEMEN	<b>4</b> T	
				<del> </del>						
	-			<u> </u>	•					
V. TEST DATA AND REQUEST OIL WELL	FOR ALLOW	ABLE (T	ees must be a ble for this d	ifser toeswery epsh or be for	of sosal volum full 24 hours	e of lead oil	and must be e	they to as ease	red top ai	
Dese-First New Oil Run To Tenks	Date of Test		-	Producing I	isthed (Fire,	pump, gas i	ift, etc.)			
Langth of Toot	Tubing, Preseu	are.		Coning Pre	eure.	•	Choise Size			
Actual Pres. During Test	QU-Bble.			- Weser-Bhie	•		Gae-MCF	······································		
AS WELL	<u> </u>		<u> </u>	<u> </u>	- 1					
Actual Pred. Tool-MCF/D	Length of Tee	t		Bhis. Cons	mene/AMCF	· · · · · · · · · · · · · · · · · · ·	Cravity of C	ondeneste	,	
Tooling Mothes (pitet, back pr.)	Tubing Preseu	ro ( Sheet-1	-)	Costos Pres	sure (Shut-	ia)	Chere Size			

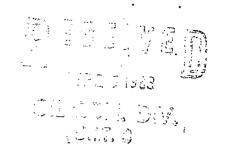
Form 9-330 (Kev. 5-63)	1 3/ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			STIRMIT I	N DUPLIC	A TIP		approved.	
			STATES	- <b>/</b> - 197 1	(See	other in-	Budge	t Bureau No. 42-R355.5.	
			F THE IN			ctions on rse side)	5. LEASE DESIGNA	TION AND SERIAL NO.	
			AL SURVE				SF 047017		
WELL CO	MPLETION	OR RECO	MPLETION	REPORT A	ND LO	G*	6. IF INDIAN, ALL	OTTEE OR TRIBE NAME	
1a. TYPE OF WEL	L: OII.	GAS WELL	DRY [	Other 13	i	- <del></del> [	7. UNIT AGREEMEN	NAME.	
b. TYPE OF COM		200		00 1	32		12 (12 )	ton non non audi audi audi	
WELL X	WORK DEEP	PLUG DACK	D DESVR.	Other	- <del>X</del>		8. FARM OR LEASE		
2. NAME OF OPERAT		m Connons	tion	A L	Paris	شارة ني	Angel Pea	k 22 bis	
3. ADDRESS OF OPER	as Petroleu	iii Corpora	CION	Jan de	P 02 1 3	1 1 17	9. WELL NO.	The state of the s	
1		aton. New	Mexico 287	499			10. FIRLD AND POO	DL, OR WILDCAT	
4. LOCATION OF WEL					nte)*	الن النات		ted Gallup	
At surface	l762 ft/Sou	th; 973 f	t/Éast 🛴		PA.	-		OR BLOCK AND SURVEY	
At top prod. into	erval reported belo	w Same	as above		Diring.	· DIW		T28N, R11W,	
: At total depth	Same as a	_ ≘ % ,					N.M.P.M.		
	Jaille as a		14. PERMIT NO	DATI	E ISSUED		12. COUNTY OR	1 13. STATE	
	274.70 0 0 10 <u>2.72 202</u> 707						San Juan	New Mexico	`
15. DATE SPUDDED	16. DATE T.D. REA		E COMPL. (Ready	10. 00.				ELEV. CASINGHEAD	,
5-26-83	6-4-83		14-83			K.B.		730' G.R.	
20. TOTAL DEPTH, MD 4	21. PLUG,	BACK T.D., MD A	TVD 22. IF MCI	TIPLE COMPL.	23. INT	ERVALS LLED BY	ROTARY TOOLS	CABLE TOOLS	
24. PRODUCING INTER			P. BOTTOM, NAME (	MD AND TVD)*		<u>→                                    </u>	0-6075	5, WAS DIRECTIONAL	
5870' - 603			(	RE	CE	13/5		SURVEY MADE	
5415' - 575						a e e e e e e e e e e e e e e e e e e e		No	, 1
26. TYPE ELECTRIC A		'n			连件上5	1563	- 27. v	VAS WELL CORED	
DIL-GR, CDL	CNL-GR			BURZÁÚ (		<u> </u>	12 July 12 12 12 14 1	<u>√o = : = : = : ; ; ; ; ; ; ; ; ; ; ; ; ; ;</u>	
28. CASING SIZE	WEIGHT, LB./F1		ING RECORD (Reg		·	CURCE		<u> </u>	
9-5/8"	36.00#	DEFIN SE			319 cu.		ECORD 2 7 7 7 1	AMOUNT PULLED	
7":	23.00#				475 cu.		(2 stages)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
4-1/2"	11.60#	5105'-			186 cu.		\ <u>r</u>	5 0 H L A F E	i .
							nt) 8 8 5 4 5		٠
29.	L	INER RECORD			30.	T	UBING RECORD		
SIZE		BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE		EPTH SET (MD)	PACKER SET (MD)	
4-1/2"	5105'	6075'	186 cu. ft.		2-3/8	3''-	5922!	3.0.1	
31. PERFORATION RECO	ORD (Interval, size	and number)	<u> </u>	32. A	CID SHOT	FRACTU	RE, CEMENT SQU	EEZE ETC	
5860' - 603	4' 17-0.29	9" holes		DEPTH INTERVA		<del></del>	UNT AND KIND OF		
5415' - 575		3" holes				See	Attachment		
							F 4 32 4 3	2 1 1 1 A F H	
				ļ	- -		7 2. g 6 <sup>77</sup>		
33.*		<del></del>	2DO	DUCTION		<u> </u>			
DATE FIRST PRODUCTION	ON PRODUC	TION METHOD (F	flowing, gas lift, p		type of pun	np)	WELL STATU	s (Producing or	
7-11-83	Pun	nping					Pumpi	ina - Aliana Ina	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL-BBL.	GAS-MC	CF.	WATER-BBL.	GAS-OIL RATIO	
7-25-83	24	1-1/4"	<u> </u>	15	441		8- 1	<u> 29400 -                                   </u>	
LOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATI		GAS—MCF.		WATER-I		RAVITY-API (CORR.)	
40 : 1	174 s (Sold, used for fu	iel, vented, etc.)	15	44	1	{	TEST WITNESSED B	10°	
Sold	, , , , , , , , , , , , , , , , , , , ,	,			516; 544;	1	Bennie Bro	我更有人 医乌利	
S5. LIST OF ATTACHM	ENTS				<u>.</u> - <del> </del>	<del></del>	#SCAN	<u>/W11 의 등 1 2 명기</u> 원원 지원보다 보고	
Cementing a	<u>nd Stimulat</u>	ion Recor	·d		14 H		ACCEPTED FO	IR RECADA	
36. I hereby certify t	hat the foregoing	and attached in	formation is comp	lete and correct a	s determine	ed from a	ll available records	<del>m neovity —</del>	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\									
SIGNED	l. Zdmi	ter_	TITLE _	ngineering	Analys	st_		9-7a83	
SIGNED A	. Edmister	ter	TITLE _		<del></del>		_ <b>5 5 6 7 7 7 7 7 7 7 7 7 7</b>	≥ 7983	

\*(See Instructions and Spaces for Additional Data on Reverse Side) FARWINGTON KESUURCE AREA

# INSTRUCTIONS

or a State agency, ber of copies to be a, the local Federal ectric, etc.), formass. All attachments attachments. Show the producing lequately identified, ting tool.			TO THE DESIGNATION OF THE PRINCIPLE OF T
to either a Federal agency or a State agency of this form and the number of copies to be or may be obtained from, the local Federal core analysis, all types electric, etc.), formate laws and regulations. All attachments of this form and in any attachments.  Federal requirements. Consult local State of this form and in any attachments.  I federal requirements of the producing to page) on this form, adequately identified the location of the cementing tool.	IC MARKERS	TOP	600 830 1350 1820 1820 1820 1820 4510 4510 5400 5400 5400 5400 5400 540
	ĞEOLOGIC	NAMA	
20 100000000000000000000000000000000000	15 - 2 88.	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	**************************************
	DRILL-STEM TESTS	CONTENTS, ETC.	CCING INTERVALUED, OF THIS CONFLETION—TOP, BOTTOM, NAME (MD AND TVD)  10' - 6034' Gallup  15' - 5754' Gallup  ELECTRIC AND OTHER LOGG REN  - GR, CDL-CNL-65
completion Any neces rding separ- currently a to the ext to the ext to the ext to the ext to the separ- currently a to the separ- currently a to the separ-	NTERVALE : AND ALI OT-IN: PRESSURES, A	DESCRIPTION, CONT	CASING ENCORD GENERAL CASING ENCORD GENERAL COLOR GENERAL CASING ENCORD GENERAL CASING ENCORD GENERAL CASING ENCORD GENERAL CASING ENCORD GENERAL CASING CAS
d regulations procedures as 33, below reg 1, copies, of a ltached here ltached here ltached here lto from from from from from from from fro	TELOWING AND BH	( G 16 )	LINER RECORD  TE TOP (MD) MOTION (MD) SACKS CRIMENT SCILLEN (3  1/2" 5105' 6075' 126 CU. ft.  SPATION RECUED; Interval, size and mighber).
itting a complete and correct we not or State laws and regulation cal, area, or regional procedures teens 22 and 24, and 33, below re y ecord is submitted, copies of a nurveys, should be attached here requirements, locations on red as reference (where not other and name (s) (if any) for only tely produced, showing the additional records for the well and the produced, showing the additional report on this form for the copies of the control of the copies of the	TIME TOOL OPEN	BGTTOM	50' - 6034" 17-0.29" holes (сети в 15' - 5754 23-0.28" holes (сети в 15'
ned for submode Federal and regard to lo tructions on this summar directional strategies of the submode of the	POROUS ZONES; IMPORTANT ZONES OF POROSITI ENVAL TESTED, CUSHION USED,	101	THE TROOUCTION PRODUCTION METHOD MARKED AGENCY AND THE SERVICES TEST PURPLING TEST POWER
seneral: This form is designed for sub- in both, pursuant to applicible Federal inbuilted, particularly with regard to la ind/or State office. See instructions on I not filed prior to the time this summa for filed prior to the time this summa for filed prior to the see instructions on for filed prior to the see in the summa for and pressure tests, and directional for filed prior to the see in applicable. State for a state file in the see in applicable. State for see in the see in the see in the see for each additional interval to be separate for each additional interval to be separate for a see in the separate completion for each additional interval to be separate for a separate completion for each for ea	ALL	FORSTATION	174 24-HOUR RATE 15  AF SITUS OF GLE Used for fuel, content, etc.)  The property of the content of the cont
	37. SUM		Copy certify that the foregoing and attached information is complete and concert for Additional and Spaces for Additional

Angel Peak No. 27 Sec. 11, T28N, R11W, N.M.P.M. San Juan County, New Mexico



#### Item 28 Cementing Record

Cemented 9-5/8" casing with 319 cu. ft. Cl B with 2% CaCl<sub>2</sub>.

Cemented 7" 1st stage with 1292 cu. ft. 65-35 Poz with 12% gel, 12-1/4# Gilsonite and 1/4# Flocele per sack followed by 118 cu. ft. Cl B with 2% CaCl<sub>2</sub>.

Cemented 2nd stage with 947 cu. ft. 65-35 Poz with 12% gel, 12-1/4#

Gilsonite and 1/4# Flocele per sack followed by 118 cu. ft. Cl B with 2% CaCl<sub>2</sub>.

Cemented 4-1/2" with 186 cu. ft. 50-50 Poz with 2% gel, 0.6% FLA, 1/4# Flocele, and 10# salt per sack.

#### Item 32 Stimulation Record

Perfs 5860' - 6034' Break down and acidize with 2200 gallons 15% HCL. Fracture with 2,441,050 SCF  $\rm N_2$ ; 30,366 gallons KCL water and 80,000# sand.

Perfs 5415' - 5754' Break down and acidize with 2800 gallons 15% HCL. Fracture with 45,000 gallons 70 & 75 quality foam pad, 98,922 gallons 70 quality foam and 180,000# sand.

NO. OF COPIES RECI	IVED	i	-			
DISTRIBUTIO	1					
SANTA FE						
FILE						
U.S.G.S.						
LAND OFFICE	LAND OFFICE					
TRANSPORTER	OIL					
L	GAS					
OPERATOR	OPERATOR					
PROPATION OF						

August 17, 1983

(Date)

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-104

	FILE	7	JOK ALLOWABLE	Supersedes Old C-104 and C-11 Effective 1-1-65					
	U.S.G.S.	AUTHORIZATION TO TR	ANSPORT OIL AND MATERIA						
	LAND OFFICE	- AUTHORIZATION TO TRA	ANSPORT OIL AND NATURAL	GAS ·					
	I BAUS GODES OIL			CALLES TEXT					
	TRANSPORTER GAS		, EREW						
	OPERATOR	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
	PROPATION OFFICE								
1.	Operator		<del></del>						
	Union Texas Petrolou	Union Toyon Datus Law Comment							
	Address Address								
	P O Boy 808 Formi	noton Nos Maria 07/00	DI\$1. 3						
	P. O. Box 808, Farming Reason(s) for filing (Check proper bo								
	New Well	Change in Transporter of:	Other (Please explain)	1					
			producing into UTP						
	Recompletion	1/83 for testing.							
	Change in Ownership	Casinghead Gas Conde	ensate						
	If oheren of any other								
	If change of ownership give name and address of previous owner								
11.	DESCRIPTION OF WELL AND	LEASE		·					
	Lease Name	Well No. Pool Name, Including F	Formation Kind of Lea	se Lease No.					
	Angel Peak	27 Undesignated	Gallup State, Feder	ral or Fee Fed. SF 047017-A					
	Location			10d. 51 047017 H					
	1 T	762 Courth	. 072						
	Unit Letter;1	762 Feet From The South Lin	ne and 9/3 Feet From	The <u>East</u>					
	Line of Service 11 To	201	1177						
	Line of Section 11 To	ownship 28N Range	11W , NMPM, San	Juan County					
	DECIGE AREA OF THE LEGISLE								
111.	Name of Authorized Transporter of O	RTER OF OIL AND NATURAL GA							
		or Condensate	Address (Give address to which appr	oved copy of this form is to be sent)					
	Plateau, Inc.		P. O. Box 489, Bloomfi	ield, N.M. 87413					
	Name of Authorized Transporter of Co	asinghead Gas X or Dry Gas	Address (Give address to which appr	oved copy of this form is to be sent)					
	Union Texas Petroleu	n Corporation	P. O. Box 808, Farmington, N.M. 87499						
	If well produces oil or liquids,	Unit Sec. Twp. Rge.	Is gas actually connected? W	hen					
	give location of tanks,	! I	yes	7/9/83					
	If this production is commingled w	rith that from any other lease or pool,	give commingling order number:						
	COMPLETION DATA	ith that from any other lease or pool,	give comminging order number.						
		Oil Well Gas Well	New Well Workover Deepen	Plug Back   Same Res'v. Diff. Res'v.					
	Designate Type of Completi	ion = (X) $XX$	xx	1 1					
	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
	5/26/83	6/14/83	6075	6043					
	Elevations (DF, RKB, RT, GR, etc.)		Top Oil/Gas Pay	Tubing Depth					
				i i					
	5742 R.K.B. Perforations	Gallup	5415	5922 Depth Casing Shoe					
	5415 - 6034			1 ' '					
	3413 - 8034		D CENENTING DECORD	6075					
			D CEMENTING RECORD	T					
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
	12-1/4"	9-5/8", 36.00#, K-55		319 cu. ft.					
	8-3/4"	7", 23.00#, K-55	5310	<b>2</b> 475 cu. ft. (2 Stages					
	6-1/4"	4-1/2", 11.60#, K~55	5105 - 6075	186 cu. ft.					
		2-3/8", E.U.E., 4.70#	5922						
V.	TEST DATA AND REQUEST F	FOR AT LOWABLE (Test must be a	after recovery of total volume of load oi	l and must be equal to or exceed top allow-					
	TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable. (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable.)								
	Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas i	lift, etc.)					
	7/11/83	7/25/83	Pumping						
	Length of Test	7/25/83 Tubing Pressure	Pumping Casing Pressure	Choke Size					
	24 hours	40	174	1-1/4"					
	Actual Prod. During Test	Oil-Bbls.	174 Water-Bbls.	1-1/4"   Gas - MCF					
		15	Q	441					
	15 bb1.								
		$\mathcal{C}$		•					
	Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate					
	No. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	25.14							
,	Testing Method (pitot, back pr.)	Tubing Pressure ( shut-in )	Casing Pressure (Shut-in)	Choke Size					
i	reating Method (pitot, buck pr.)	I uping Pleasure ( Shut-In )	Coming Freedom (Data-22)	0.024 5.24					
ı									
VI.	CERTIFICATE OF COMPLIANCE			ATION COMMISSION					
			APPROVED AUM 9 1983						
	I hereby certify that the rules and	regulations of the Oil Conservation	J. J. Clen						
	Commission have been complied	with and that the information given							
	above is true and complete to th	he best of my knowledge and belief.							
		÷ . Λ	TITLE	STOOK DISTRICT M. C.					
		.) <i>///</i>	This form is to be filed in compliance with RULE 1104.  If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation						
	6 41 / K								
	symeth Z. /	o all							
	•	nature)	tests takens on the well in acco	ordance with RULE 111.					
	Area Production Supe	ridtendent	All meditions of this form m	ust be filled out completely for allow-					
		itle)	able on new and recompleted w	velis.					

All assitions 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 transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

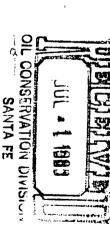
- 1	3. 22.102
	SF 047017-A
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME

GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to deepen or plug back to a different eservoir. Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME  8. FARM OR LEASE NAME		
eservoir. Use Form 9-331-C for such proposals.)			
1. oil gas	Angel Peak		
well well other	9. WELL NO.		
2. NAME OF OPERATOR	27		
Union Texas Petroleum Corporation	10. FIELD OR WILDCAT NAME		
3. ADDRESS OF OPERATOR	Undesignated Gallup		
P. O. Box 808, Farmington, N.M. 87499	11. SEC., T., R., M., OR BLK. AND SURVEY OR		
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	Sec. 11. T-28N, R-11W, N.M.P.M  12. COUNTY OR PARISH 13. STATE  San Juan New Mexico		
below.)			
AT SURFACE: 1762 ft./S; 973 ft./E lines AT TOP PROD. INTERVAL: Same as above			
AT TOTAL DEPTH.			
Same as above,	14. API NO.		
<ol> <li>CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT. OR OTHER DATA</li> </ol>			
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)		
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	5742 R.K.B.		
EST WATER SHUT-OFF			
PULL OR ALTER CASING	change on Form 9-3302 1983		
AULTIPLE COMPLETE			
CHANGE ZONES U U.S. GEOLOGICAL OU	rey / OIL CON. DIV.		
ABANDON*   Other) Drilled to T.D. and cased HARMMGT IN N. N.			
unci) Dillied to 1.b. and Cased	26 4 20 6 4 20		
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is di measured and true vertical depths for all markers and zones pertinent.)	rectionally drilled, give subsurface locations and		
1. Spudded 12-1/4" hole at 6:30 P.M., 5-26-8	3.		
2. Drilled 12-1/4" surface hole to a total d			
3. Ran 7 joints 9-5/8", 36.0#, K-55 casing as			
4. Cemented with 319 cu. ft. Class "B" with			
to surface.	•		
5. Wait on cement 13 hours.			
6. Pressure tested casing to 1500 PSI.			
7. Drilled 8-3/4" hole with mud to an intermed	ediate total depth of 5310 ft.		
R.K.B.	<u>-</u>		
8. Logged well.	·		
9. Ran 119 joints 7", 23.0#, K-55 casing from	m surface to 5310 ft. R.K.B.		
Float collar at 5265 ft. R.K.B., D.V. too.			
	(Over)		
Subsurface Safety Valve: Manu. and Type	Set @ Ft.		
18. I hereby certify that the foregoing is true and correct	:		
SIGNED W. K. Cooper TITLE Field Oper. N	Mgr. DATE <u>June 9, 1983</u>		
(This space for Federal or State office	·		
APPROVED BY TITLE	DAYEGUT TUB TUB REGULE		
CONDITIONS OF APPROVAL, IF ANY:			
	~ 1		

JUN 21 1993

\*See Instructions on Reverse Side

FARMINGTON DISTRICT



# Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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 office. Item 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, Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below. Between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

# GPO : 1981 0 - 347-166

- Circulated 10 bbls. Cemented first stage with 1292 cu. ft. 65-35 Poz with 12% gel, 12-1/4# Gilsonite Cemented stage with 947 cu. ft. 65-35 Poz with 12% gel, 12-1/4# Gilsonite and 1/4# 1/4# Flocele per sack followed by 118 cm. ft. Class "B" with 2% CaCl2. Flocele per sack followed by 118 cu. ft. Class "B" with 2% CaCl2. Plug down at 5:45 A.M., 6-1-83. 10.
- 11. Wait on cement 11-1/2 hours.

- 12. Drilled out D.V. tool and pressure tested to 1500 PSI.
- Drilled 6-1/4" hole with natural gas to a total depth of 6075 ft. 13.
- 14. Logged well.
- at R.K.B. Ran 30 joints 4-1/2", 11.6#, K-55 casing as liner and set at 6075 ft. 5105 ft, R.K.B., float collar at 6043 ft. R.K.B. 15.
- Cemented with 186 cu. ft. 50-50 Poz with 2% gel, 0.6% FLA, 1/4# Flocele per sack and Reversed out 15 bbls. cement. 16.
- 17. Released rig at 6:00 A.M., 6-4-83.

SUBMIT-IN-TRIPLICATE TEOR approved.  (Other instructions on reverse side)	1425. [//
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		T OF THE IN		IOR MA	Y 1 1 1983	5. LEASE DESIGNATION AND SERIAL NO.
		OGICAL SURVE		~11 <i>~</i>	· · · · · · · · · · · · · · · · · · ·	5. LEASE DESIGNATION AND SERIAL NO.
A BBU ICA TION		<del></del>		N OP DILIC	DACV	SF 047017-A
	1 FOR PERMIT	IC) DRILL, D		N, OR PLUG	BACK	The state of the s
1a. TYPE OF WORK	LL X	DEEPEN [	7	PLUG_B		7. UNIT AGREEMENT NAME
b. Type of Well			_	1	i i	·
WELL X GA	AS OTHER		ZON		TIPLE	8. FARM OR LEASE NAME
2. NAME OF OPERATOR				3	M. ≅.	Angel Peak
	etroleum Corpo	ration		<u> </u>		9. WELL NO.
3. ADDRESS OF OPERATOR			05.404		ZAL L	16. FIELD AND POOL, OR WILDCAT
P. O. BOX 808	Farmington,	New Mexico	8/499 any St	te requirements.	<u> </u>	
At surface	./South line a			$\cup$	S. GEOLOGICAL FARMINGTON	Undesignated Gallup
	•	110 9/5 10./1	ast 1	T d	88 T	Sec. 11, T-28N, R-11W,
At proposed prod. zon Same as				102	ناے عان	N.M.P.M. = 2==
14. DISTANCE IN MILES A		REST TOWN OR POST	OFFICE*		<del></del> _	12. COUNTY OR PARISH   18. STATE
2 miles South	of Bloomfield					San Juan New Mexico
15. DISTANCE FROM PROPO LOCATION TO NEAREST		. 1	16. NO.	OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL
PROPERTY OR LEASE L. (Also to nearest drig		347 ft.	402	2.34		06 H
18. DISTANCE FROM PROPO TO NEAREST WELL, DE			19. PRO	POSED DEPTH	20. вота	RY OR CABLE TOOLS
OR APPLIED FOR, ON THI		836 ft.	603		Rot	ary
21. ELEVATIONS (Show whe					# 14 E	22. APPROX. DATE WORK WILL START*
5730' GR		TO COMPLIANCE			TL:	May 10, 1983
20.	' "GENERI	HE GREOSH BE WESHIS	AND	CEMENTING PROC		ction is subject to administrative
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	т	SETTING DEPTH	аррсы	QUANTITY OF CEMENT
13-3/4"	9-5/8"	36.0# K-5		300'		cu. ft. (circulated)
8-3/4"	7"	26.0# K-5		5400'		cu. ft. (circulated)
6-1/4"	4-1/2"	11.6# K-5	5	5200' - 6037	/' 150	cu. ft. (top of liner)
We desire to dr	ill 13-3/4" su: w 9-5/8" casing	rface hole to	o app ment	rox. 300 ft.	using n	atural mud as a circulating ft. of Class "B" cement
circulated to the	he surface. P	ressure test	the	casing to a	prox. 80	0 PSIG for 10 minutes.
Drill 8-3/4" ho	le to approx.	5400 ft. usi	nor a	starch base.	permalo	oid, nondispersed mud as the
circulating med	ium. Log the w	well. Run ne	ew 7"	casing to	D with a	DV tool at approx. 2000 ft.
Cement 1st stage	e with approx.	750 cu. ft.	of(6	5/35/6 <b>5</b> 0110	wed by a	pprox. 100 cu. ft. of Class
"B" cement. Ce	ment the second	d stage with	appr	ox: 450 cu.	ft. of(6	5/35/12 followed by approx.
100 cu. ft. of (	Class "B". Ci:	rculate cemen	nt to	surface. I	orill out	the DV tool. Pressure test
the pipe to 1500	PSIG for 10 r	ninutes. Dr	illo	ut with 6-1/	4" bit t	o approx. 6037 ft. using
natural gas as 1	the circulating	medium. La	og th	e well. Rur	new 4-1	/2" casing to TD and cement
Clean the wall a	J Cu. It. OI 50	)/50 POZ M1X.	. WO	C. Perforat	e and fr	acture the Gallup zone.
mds Set a num	up. Kun new 2.	tanks Inst	•/# J ⊦-11	-oo tubing t	the Ga	llup zone. Run rod pump and wellhead to the existing Rudy
Gathering System	n and test the	well. The	ras f	a propertite r	I has on	eviously been dedicated to
a transporter.	NOTE: Actual	cement volum	nes t	o be calcula	ited from	caliner log
IN ABOVE SPACE DESCRIBE zone. If proposal is to d	PROPOSED PROGRAM: If rill or deepen directions	proposal is to deeper	or plu	g back, give data on	present produ	uctive zone and proposed new productive l and true vertical depths. Give blowout
preventer program, if any.		*·on				
SIGNED W. K.	oper ook	TITLE	Field	d Operations	Manager	DATE April 8, 1983
(This space for Federa	al or State office use)				<del></del>	
						ADD
PERMIT NO.			_ AI	PROVAL DATE	<del></del>	ALHEDAED
					•	AS AMENDED
CONDITIONS OF APPROVA	L, IF ANY:	TITLE	·		. <	Tout W. Thell
	•					MAY 99 1983
	h	A				JAMES E CHA
	C					DISTRICT ENGINEER
			Section 2	1	_	DISTRICT ENGINEER

NMOCE

#### . O. DOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-

ust he from the outer houndaries of the Section. Well No. UNION TEXAS PETROLEUM CORPORATION ANGEL PEAK 27 Unit Letter Range County 28 NORTH 11 WEST SAN JUAN Actual Fastage Location of Well: 1762 SOUTH 973 EAST feet from the feet from the line Ground Level Elev. Producing Formation Dedicated Acreages 5730 Gallup Undesignated Gallup 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation \_ If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)\_ No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division CERTIFICATION I hereby certify that the Information comtoined herein is true and complete to the 1983 APR 8 U. S. GEOLOGICAL SURVEY FARMINGTON, N. M. Rudy D. Motto Position Area Operations Manager Company Union Texas Petroleum Corp. March 10, 1983 973 chillethith abouting well location 3 2 0 1 Ó 0 February 23, 1983 Registered Professional Engineer and/or Land Surveyor Michael Daly Certificate No. 5992