CMD : OG5SECT Cols 6, 11-13 - 107.57 acro ONGARD
INQUIRE LAND BY SECTION 10/19/05 14:08:05 OGOMES -TPGM PAGE NO: 1

Sec : 30 Twp : 29N Rng : 09W Section Type : NORMAL

	-					 						
	Federal owned	12 11.49		Federal owned	10.55			Federal owned	10.47		Federal owned	10.54
A A	Federal owned	13 38.18	2	Federal owned	10 36.47		A	Fee owned	40.00	A A	Fee owned	140.00 187.16
	Federal owned	14 40.92	842 (83.88%)	Federal owned	45.31	en announce de control de la c	A	Fee owned	40.00	A A	Fee owned	40.00
A	Federal owned	15 40.56	A A	Federal owned	44.94		A	Federal owned	7 46.91		 Federal owned	5 44.86

Entered Generary 30, 1969

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION UPON ITS OWN MOTION TO CONSIDER THE ESTABLISHMENT OF NON-STANDARD GAS PRORATION UNITS AND UNORTHODOX GAS WELL LOCATIONS, WHERE NECESSARY, IN THE AZTEC AND BLANCO-PICTURED CLIFFS GAS POOLS IN SECTIONS 6, 7, 18, 19, 30, AND 31, TOWN-SHIPS 29 AND 30 NORTH, RANGES 8 AND 9 WEST, NMPM, SAN JUAN COUNTY, NEW MEXICO.

CASE No. 4032 Order No. R-3669

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on January 22, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this <u>30th</u> day of January, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That due to variations in legal subdivisions of the U. S. Public Land Surveys along the west sides of Township 29 North, Range 8 West, Township 29 North, Range 9 West, Township 30 North, Range 8 West, and Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico, the west halves of Sections 6, 7, 18, 19, 30, and 31 in each of said townships are irregular in size.
- (3) That said irregularity in size precludes the establishment of standard 160-acre drilling and proration units.
- (4) That said irregularity in size precludes the drilling of wells at locations prescribed for standard 160-acre units.

-2-CASE No. 4032 Order No. R-3669

- (5) That the principal gas producing formation in the area is the Pictured Cliffs.
- (6) That a standard gas proration unit in the Pictured Cliffs formation in the area of the subject sections is 160 acres.
- (7) That the principal gas producing pools in the subject area are the Aztec-Pictured Cliffs Gas Pool and the Blanco-Pictured Cliffs Gas Pool.
- (8) That the applicable rules provide that gas wells in the Aztec-Pictured Cliffs and Blanco-Pictured Cliffs Gas Pools be located not closer than 790 feet to any outer boundary of the tract nor closer than 130 feet to any quarter-quarter section line or subdivision inner boundary.
- (9) That in order to ensure systematic development and thereby prevent waste and protect correlative rights, non-standard gas proration units approximating 160 acres each should be established for the Pictured Cliffs formation along the west side of the subject sections.
- (10) That gas wells drilled on said units should be located not closer than 500 feet to any outer boundary of the tract nor closer than 130 feet to any quarter-quarter section line or subdivision inner boundary.
- (11) That Administrative Order No. NWU 3-75, dated March 18, 1968, approved a non-standard gas proration unit in the Blanco-Pictured Cliffs Gas Pool comprising the W/2 of Section 31, Township 30 North, Range 8 West, NMPM, San Juan County, New Mexico.
- (12) That Administrative Order No. NWU 3-75 should be superseded by this order.

IT IS THEREFORE ORDERED:

(1) That the following-described non-standard gas spacing and proration units in the Pictured Cliffs formation, San Juan County, New Mexico, are hereby established:

-3-CASE No. 4032 Order No. R-3669

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM

Unit	Acres	Description			
1	131.24	Section 6:	Lots 8, 9, 10, 11, and 12		
2	159 .99		Lots 14 and 15 Lots 5, 6, 7, and 8		
3	168.01		Lots 9, 10, 11, and 12 Lot 1 and NE/4 NW/4		
4	173.87	Section 18:	Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4		
5	173.85	Section 19:	Lots 1, 2, 3, E/2 NW/4, and NE/4 SW/4		
6	173.75		Lot 4 and SE/4 SW/4 Lots 1, 2, and E/2 NW/4		

TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM

<u>Unit</u>	Acres	<u>De</u>	scription
1	172.00	Section 6:	Lots 8, 9, 10, 11, 12, 13, and 14
2	171.16	Section 6: Section 7:	SE/4 SW/4 Lots 5, 6, 7, 9, and E/2 NW/4
3	177.18		Lot 8 and SE/4 SW/4 Lot 1 and E/2 NW/4
4	169.34		Lots 2, 3, 4, and $E/2 SW/4$ Lot 1 and $NE/4 NW/4$
5	166.18	Section 19: Section 30:	Lots 6, 9, 4, SE/4 NW/4, and E/2 SW/4 Lot 1
6	187.16	Section 30:	Lots 6, 10, 11, 12, 13, and E/2 NW/4

-4-CASE No. 4032 Order No. R-3669

TOWNSHIP 30 NORTH, RANGE 8 WEST, NMPM

<u>Unit</u>	Acres	De	escription
1	164.28	Section 6:	Lots 3, 4, 5, 6, SE/4 NW/4, and NE/4 SW/4
2	166.72		Lot 7 and SE/4 SW/4 Lots 1, 2, and E/2 NW/4
3	167.32		Lots 3, 4, and E/2 SW/4 Lot 1 and NE/4 NW/4
4	167.62	Section 18:	Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4
5	169.64	Section 19:	Lots 1, 2, 8, E/2 NW/4, and NE/4 SW/4
6	172.90		Lot 9 and SE/4 SW/4 Lots 6, 2, and E/2 NW/4
7	154.19		Lots 3, 10, 11, and NE/4 SW/4
		Section 31:	Lots 7 and 8
8	128.31	Section 31:	Lots 9, 10, 15, 16, 17, and 18

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM

Unit	Acres	<u>Description</u>				
1	148.69	Section 6:	Lots 4, 5, 6, E/2 NW/4, and NE/4 SW/4			
2	151.16		Lot 7 and SE/4 SW/4 Lots 1, 2, and E/2 NW/4			
3	150.94		Lots 3, 4, and E/2 SW/4 Lot 1 and NE/4 NW/4			
4	153.45	Section 18:	Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4			

-5-CASE No. 4032 Order No. R-3669

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM (Continued from Page 4)

<u>Unit</u>	Acres	Description			
5	155.16	Section 19:	Lots 1, 2, 3, E/2 NW/4, and NE/4 SW/4		
6	152.48	Section 31:	Lots 2, 3, 4, SE/4 NW/4, and E/2 SW/4		

- (2) That each well drilled to or completed in the Pictured Cliffs formation on one of the above-described units shall be located not closer than 500 feet to any outer boundary of such unit nor closer than 130 feet to any quarter-quarter section line or subdivision inner boundary.
- (3) That Administrative Order No. NWU 3-75 is hereby superseded.
- (4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

. L. PORTER, Jr., Member & Secretary

SEAL

esr/

2005 MAY 26 (13) 8 13

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

a.	Type of Work	5. Lease Number	
a.	DRILL	NMSF-080781	
		Unit Reporting Numb	er
b. .	Type of Well GAS	6. If Indian, All. or Tribe	
2.	Operator	7. Unit Agreement Nam	e
	BURLINGTON RESCURCES Oil & Gas Company LP		
3.	Address & Phone No. of Operator	8. Farm or Lease Name	
	PO Box 4289, Farmington, NM 87499	9. Well Number	
/	(505) 326-9700	CAIN #100	
4.	Location of Well	10. Field, Pool, Wildcat	
	Unit N (SESW), 1145' FSL cation FWL 13 1145' FSL catio	Basin Fruit Aztec Pich	
	P	, 11. Sec., Twn, Rge, Mer	. (NMPM)
	Latitude 36° 41.5533'N Longitude 107° 49.3083'W	VSec. 30, T29N, R9	
	Longitude 107 49.3063 W	API# 30-045-	33117
14.	Distance in Miles from Nearest Town	12. County	13. State
	11.7 miles from Gobernador	San Juan	MM
15.	Distance from Proposed Location to Nearest Property or Lease Li	ne	
16.	1145' Acres in Lease	47	A
10.	Acres in Lease	17. Acres Assigned to 96.69 SW PC & 268	
18.	Distance from Proposed Location to Nearest Well, Drig, Compl, or	Applied for on this Leas	9
19.	339' - Cain #16 Proposed Depth	20. Rotary or Cable To	alo.
13.	2173'	Rotary	
21.	Elevations (DF, FT, GR, Etc.) 5644′ GL	22. Approx. Date Work	will Start
23.	Proposed Casing and Cementing Program		
	See Operations Plan attached		
	Det OD of		
24.	Authorized by: Cllsy (llegal	5/25/05	<u> </u>
	Sr. Regulatory Specialist	Date	
PERM	IIT NO APPROVAL DA	ΛΈ	
	(1X/M/ h. ~ 15-1	,	0 .00
APPR	TITLE AT M	DATE_	6-15-05
	replacified Description	5184.60	
Archa	eological Report attached	リーダ ひょくんしょん ボニ	1 11/1
Threa ' NOTE:	tened and Endangered Species Report attached This format is issued in fleu of U.S. BLM Form 3160-3	ORFNSP19AZ	-
Threa NOTE: Title 18	tened and Endangered Species Report attached This format is issued in fleu of U.S. BLM Form 3160-3 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make	ake to any department or agen	-
Threa : NOTE: Title 18 States	tened and Endangered Species Report attached This format is issued in fleu of U.S. BLM Form 3160-3	ake to any department or agen	cy of the United

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

DISTRICT IV 2040 Swell Po o. Santa Fe, KM 67605

268.42 S2 FC

☐ AMENDED REPORT

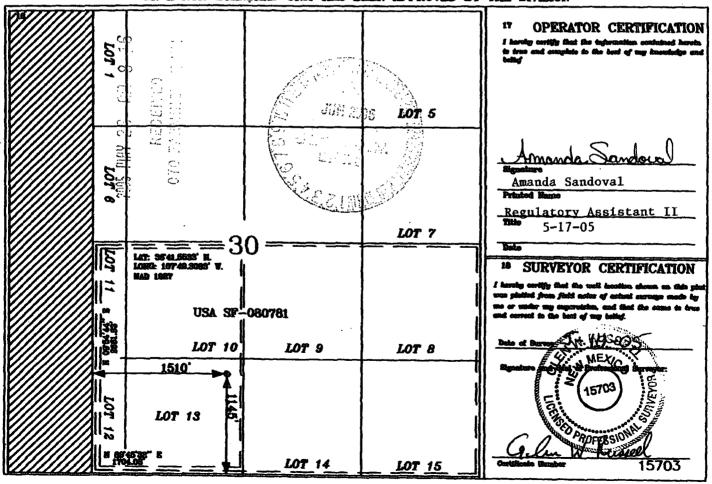
WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number		^B Pool Code		
30-045- 33117		71629/ 71280	Basin Fruitland Coal/ Aztec Pict	tured Cliffs
⁴ Property Code	⁶ Property Name			• Well Number
18487	CAIN			100
†OGHID Ho.		o _{Op}	erator Hame	• Elevation
14538 BURLINGTON RESOURCES OIL AND GAS			S OIL AND GAS COMPANY LP	5644'

¹⁰ Surface Location

96.69 SW	PC PC		th South or	todii)	* Consolidation C	20de	²⁵ Order No.		-
UL or let no.	Section	Township	Rango	lot Ma	Feet from the	Morth/South line	Feet from the	East/Vest line	County
"Bottom Hole Location If Different From Surface									
N	30	29-N	9-W		1145'	South	1510'	West	San Juan
UL or lot no.	Section	Township	Bango	Lot Man	Foot from the	Horth/South line	Feet from the	East/West line	County

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Office District I	State of New Mexico	Form C-103
	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	30-045-
District III	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
District IV	,	D 1 17 NV 407 000701
1220 S. St. Francis Dr., Santa Fe, NM 875	ES AND REPORTS ON WELLS	Federal Lease - NMSF-080781 7. Lease Name or Unit Agreement Name
	TO DRILL OR TO DEEPEN OR PLUG BACK TO A	, see the see that
DIFFERENT RESERVOIR. USE "APPLICATIO	N FOR PERMIT" (FORM C-101) FOR SUCH	
PROPOSALS.) 1. Type of Well:		8. Well Number
Oil Well Gas Well X	Other	Cain #100
2. Name of Operator		9. OGRID Number
BURLINGTON RESO 3. Address of Operator	URCES OIL & GAS COMPANY LP	14538 10. Pool name or Wildcat
•	EET, FARMINGTON, NM 87402	Basin FC / Aztec PC
4. Well Location		
Unit Letter N 1	145 feet from the South line and Township 29N Range 9W	1510 feet from the <u>West</u> line NMPM County San Juan
Control of the Contro	Elevation (Show whether DR, RKB, RT, GR, etc.)	14(v)) (v) County Sair Juan
	5644' GR	
Pit or Below-grade Tank Application	ox Closure	
Pit type new drill Depth to Groundw		>1000' Distance from nearest surface water <200'
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume	bbls; Construction Material
	Appropriate Box to Indicate Nature of No	•
NOTICE OF IN	1	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK TEMPORARILY ABANDON	PLUG AND ABANDON REMEDIA CHANGE PLANS COMMEN	L WORK CE DRILLING OPNS. ALTERING CASING P AND A
PULL OR ALTER CASING		EEMENT JOB
OTHER: New I	Fill Pit X OTHER:	
	d operations. (Clearly state all pertinent details, and g	ve pertinent dates, including estimated date
of starting any proposed work)	. SEE RULE 1103. For Multiple Completions: Attac	ch wellbore diagram of proposed completion
or recompletion.		
New Drill, Lined:		
New Drill, Lined:		
New Drill, Lined: Burlington Resources proposes to co	nstruct a new drilling pit and an associated vent/flare prew drilling pit will be a lined pit as detailed in Burli	oit. Based on Burlington's interpretation of the
New Drill, Lined: Burlington Resources proposes to co Ecosphere's risk ranking criteria, the	new drilling pit will be a lined pit as detailed in Burli	ngton's Revised Drilling / Workover Pit Construction /
New Drill, Lined: Burlington Resources proposes to co Ecosphere's risk ranking criteria, the Operation Procedures dated Novemb that portion will be lined as per the re	new drilling pit will be a lined pit as detailed in Burli er 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates	oit. Based on Burlington's interpretation of the ngton's Revised Drilling / Workover Pit Construction / of the vent/flare pit will be designed to manage fluids and closing these pits according to the Drilling / Workover Pit
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New Drill, Lined: Burlington Resources proposes to conception Procedures dated November that portion will be lined as per the number of Closure Procedure dated August 2, 2 I hereby certify that the information about	new drilling pit will be a lined pit as detailed in Burlinger 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates 004 on file at the NMOCD office. We is true and complete to the best of my knowledge and according to NMOCD guidelines, a general permit	ngton's Revised Drilling / Workover Pit Construction / of the vent/flare pit will be designed to manage fluids and closing these pits according to the Drilling / Workover Pit and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan
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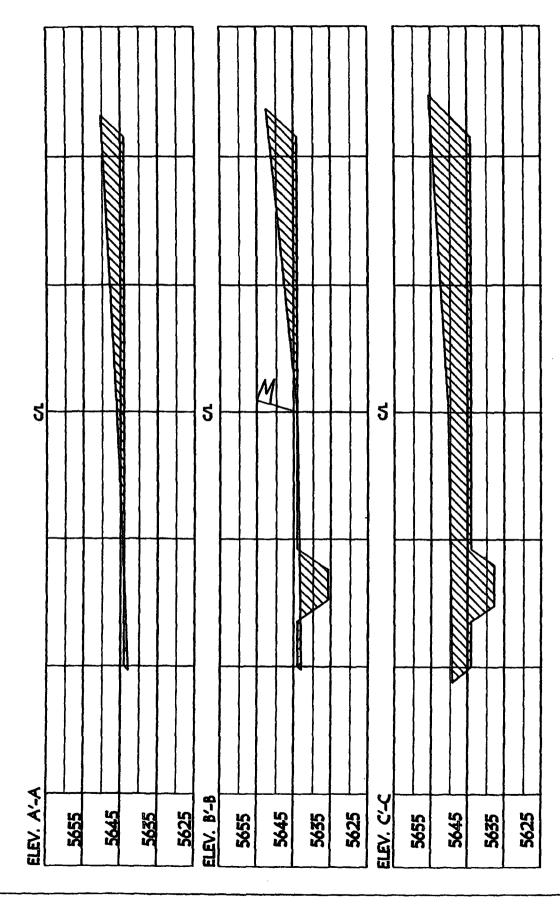
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SECTION 30, T-29- N, R-9-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 5444' NATE AND COUNTY, NM BURLINGTON RESOURCES OIL & GAS COMPANY LP 305' X 340' = 2.38 ACRES DOWN SBOYE (T) 205' X 240' DIKE NEW ACCESS 9 **20, CONSLIKINCHON SONE**

LATITUDE, 36" 41,5533" LONGITUDE, 107" 49,3088" NADZZ

RECEIVE MLDRICE TO BE 8'A ABOVE DEEP SIDE (OVERFLOW - 3' WEDE AND I'A ABOVE SHALLOW SIDE).

SECTION 30, T-29- N, R-9-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 5644', DATE: APRIL 27, 2005 BURLINGTON RESOURCES OIL & GAS COMPANY LP



CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR LYNMARKED BURIED PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. NOTE. VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

OPERATIONS PLAN

Well Name:

Cain #100

Location:

Unit N (SESW), 1145' FSL & 1510' FWL, Section 30, T29N, R9W

San Juan County, New Mexico

Latitude 36° 41.5533'N; Longitude 107° 49.3083'W

Formation:

Basin Fruitland Coal

Elevation:

5644' GR

Formation:	Тор	Bottom	Contents
Surface	San Jose		
Ojo Alamo	840	1007	
Kirtland	1007	1768'	gas
T/Fruitland	1768'		gas
B/Fruitland Coal	1972'		gas
Pictured Cliffs	1973'		_
Total Depth	2173'		

Note: The Total Depth for this well is into the Pictured Cliffs interval, but currently only have plans to complete the Fruitland Coal interval. We could in the near future perforate/stimulate the Pictured Cliffs interval, but only would once Regulatory approval was asked for and received.

Logging Program: None

Mud Program:

<u>Interval</u>	<u>Interval</u> <u>Type</u>		<u>Vis.</u> Fluid Loss		
0- 120'	Spud /Air/Air Mist	8.4-8.9	40-50 no control		
120-2173'	Non-dispersed	8.4-9.5	30-60 no control		
Casing Program:					
Hole Size	<u>Depth Interval</u>	<u>Csq.Size</u>	<u>Wt.</u>	<u>Grade</u>	
8 🖁 "	0 - 120'	7"	20.0#	J-55	
6 4"	0 - 2173'	4 1/2"	10.5#	J/K-55	
Tubing Program:					
	0 - 2173'	2 3/8"	4.7#	J-55	

Float Equipment: 7" surface casing - guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe and float collar on bottom. Centralizers run every third joint above shoe to the base of the Ojo Alamo @ 1007'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1007'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 4 1/2" x 2 3/8" x 11" 2000 psi xmas tree assembly.

Cementing:

7" surface casing Pre-Set Drilled - Cement with Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (Bring cement to surface). Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

7" surface casing - Cement with 42 sx Type III cement with 0.25 pps Celloflake, 3% CaCl. (54 cu ft of slurry @ 1.28 yield). 200% excess, bring cement to surface. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. WOC until cement establishes 250 psi compressive strength prior to NU of BOPE.

4 1/2" production casing - Cement with 100 sx (213 cu ft of slurry @ 2.13 yield) Premium Lite with 3% calcium chloride, 5 pps LCM-1, and 1/4#/sack celloflake, 0.4% FL-52, & 0.4% SMS. Tail with 90 sacks (124 cu ft of slurry @ 1.38 yield) Type III cmt with 1% calcium chloride, 1/4#/sack Celloflake and 0.2% FL-52. Total of 337 cf - 50% excess to circulate to surface.

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 1500 psi/30 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- The Fruitland Coal formation will be completed.
- Anticipated pore pressure for the Fruitland is between 600 700 psi.
- This gas is dedicated.
- The south half of the section is dedicated to this well.
- New casing will be utilized.
- Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

5/25/05 Date

Drilling Rig Choke Manifold Configur 2000 pel System

Burilington Resource

Orilling Rig 2000 pel System

Figure #3

10-02-4

he BOP. All BOP equipment is 2000 pel wor ie rama. A stripping head to be insta ura douttis gata BOP to be equip flome, 7-1/16" bore, 2000 polini

Pigure 62

10-02-4

submitted in lieu of Form 3160-5

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	Sundry Notices and Reports on Wells 2005 JUL 13 PM 4 01		
	RECEIVED	5.	Lease Number
	e of Well GAS O70 FARMINGTON IN GENTER	6.	NMSF-080781 If Indian, All. or Tribe Name
Bu	ne of Operator JRLINGTON	7.	Unit Agreement Name
	ress & Phone No. of Operator	<u>∄</u> 8	Well Name & Number
	Box 4289, Farmington, NM 87499 (505) 326-9700	9.	Cain 100 API Well No.
4 Ì 00	ation of Well, Footage, Sec., T, R, M	· 	30-045-33117
	T-N, R-W, NMPM	10.	Field and Pool
, ·	Ba	sin Fruitla	nd Coal/Aztec Pictured Cliff
Un	it N (SESW) 1145' FSL & 1510' FWL, Sec. 30, T29N R9W NMPM	11.	County and State San Juan Co., NM
	CCK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT of Submission Type of Action	r, OTHER	DATA
1717	X Notice of Intent Abandonment Change of Plans Recompletion New Construction	<u>x</u>	Other - Dedicated Acreage Change
	Subsequent Report Plugging Non-Routine Fracturing Casing Repair Water Shut off		
	Final Abandonment Altering Casing Conversion to Injection		
13. Des	cribe Proposed or Completed Operations		
It is inte	ended to correct the Pictured Cliffs acreage submitted on the above approved southwest half 96.69 acres to the West half 182.16 acres.	f Applicati	on for Permit to Drill
		•	
Signed J	reby certify that the foregoing is true and correct. Amanda Sandoval Title Regulatory Co	ompliance A	ssistant II Date 7/13/05
APPROY CONDITION Title 18 U.S.O	Acce for Federal of State Office use) VED BY Title Pet . English Fine Common C		Date 7/18/05
Title 18 U.S.C	· · · · · · · · · · · · · · · · · · ·		

DISTRICT I 1685 H. Prench Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DESTRICT II 611 South First, Artesia, N.M. 66210

DESTRICT HI 1000 Rio Brazos Rd., Asteo, N.M. 87410 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 67505 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

DISTRICT IV 2040 South Pacheco, Santa Fe, 104 87605

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Rumber		⁸ Pool Code	*Pool Name				
30-045-33	30-045-33117 71629/71280 Basin Fruitland Coal/ Aztec						
⁴ Property Code		*Pr	• Well Humber				
18487		•	CAIN				
TOGRID No.		•0 0	ereter Name	* Elevation			
14538		BURLINGTON RESOURCES	5644'				

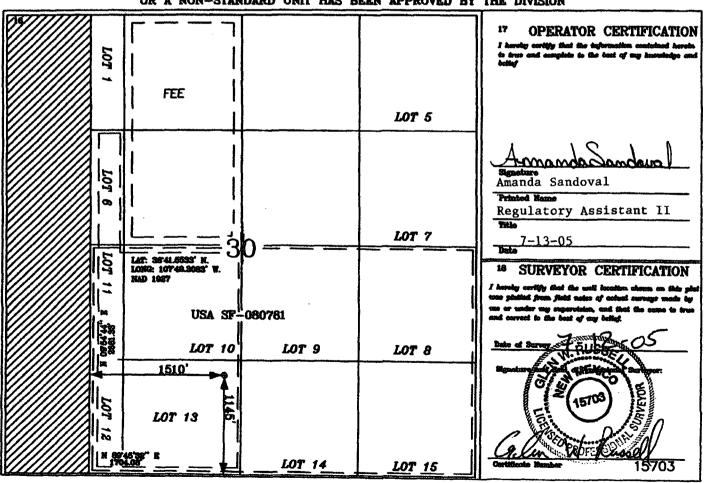
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Vest line	County
N	30	29-N	9-M		1145	South	1510'	WEST	san Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	iot idn	Feet from the	North/South line	Post from the	Rant/West lime	County
PC 182.1 FC 268.4		17-70	st Joint or	is (III)	⁸⁴ Consolidation C	lode	²⁸ Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



trict I
5 N. French Dr., Hobbs, NM 88240
trict II
South First, Artesia, NM 88210
trict III
0 Rio Brazos Road, Aztec, NM 87410
rict IV
0 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 March 19, 2001 bmit 1 copy of the final affected wells

Form C-104B

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

Change of Operator Name

у.				
OGRID:	167067		•	
fective Date:	6/1/2001			·
Previous O	perator Name and Info	rmation:	New Op	erator Name and Information:
Name:	Cross Timbers Operati	ng Company	New Name:	XTO Energy Inc.
Address:	2700 Farmington		•	2700 Farmington Ave
Address:	Building K, Su		Address:	
, State, Zip:	Farmington, NM 87401		City, State, Zip:	Farmington, NM 87401
			*	
Signature: ted name: Title:	GARY L MARKESTAD VICE-PRESIDENT, SAN JA 5/23/01 Phone:	hutul	x-4001	AUG 2001 BUILDING CALENDARY CALENDARY
			<u>NM</u> (OCD Approval
		Signat	ure:	
		Printed Na	me: SUPI	ERVISOR DISTRICT #3
		Distr	riet:	AUG 1 5 2001
		D	ate:	

OIL CON	SERVATION COMMISSION	en e	
	BOX 697	6 E	
1	120 EAST CHACO		:
AZ	TEC, NEW MEXICO	6	
IOTICE OF GAS CONNECTION			
	DATE	February 17, 1971	
THIS IS TO NOTIFY THE OIL CONSERVATION CO	OMMISSION THAT CONNECT	ION FOR THE PURCHASE OF (GAS FRO
	Production Company OPERATOR		
	W HANNOR		
Texas National Gas Com. #1	WELL UNIT	19-29-9 S-T-R	
Aztec Pictured Cliffs	El Paso Natural Ga	s Company	
POOL	NAME	OF PURCHASER	
WAS MADE ON January 29, 1971 DATE	, FIRST DELIVERY	February 9, 1971	
AOF 2,901			
Choke 2,533 INITIAL POTENTIAL			
	El Paso Nat	ural Gas Company	
		iginal Signed By W. M. Rodger	\$
	REPRESENTATI		
	Chief Dispa	tehar	
	TITLE	c wsser	
CC: TO OPERATOR Farmington & Denver			•
OIL CONSERVATION COMMISSION - SANTA FE			
F. N. WOODRUFF - EL PASO			

BXXXXXXX

FILE

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

	Southeast	New Mexico	Northwestern New Mexico					
т.	Anhy	T.	Çanyon	т.	Ojo Alamo	T.	Penn. "B"	
T	R a1 +	T	Straum	т	Kirtland-Emitland	Т	Penn "C"	
B.	Salt	T.	Atoka	T.	Pictured Cliffs1907'	T.	Penn. "D"	
T.	Yates	T.	Miss	T.	Cliff House	T.	Penn. "D" Leadville Madison	
T.	Queen	T.	Silurian	T.	Point Lookout	T.	Elbert	
T.	Grayburg	T.	Montoya	Т.	Mancos	T	McCracken	
					Gallup			
T.	Glorieta	T.	McKee	Bas	se Greenhorn	T.	Granite	
T.	Paddock	T.	Ellenburger	T.	Dakota	T.		
T.	Blinebry	T.	Gr. Wash	T.	Morrison	T.		
T.	Tubb	T.	Granite	T.	Todilto	T.	·	
					Entrada			
T.	Abo	T.	Bone Springs	т.	Wingate	T.		
					Chinle			
Т.	Penn.	T.		Т.	Permian	T.		
T	Cisco (Bough C)	T.		T.	Penn "A"	T.	·	

FORMATION RECORD (Attach additional sheets if necessary)

From	То	Thickness in Feet	Formation	From	То	Thickness in Feet	Formation (1997)
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NO. OF COPIES RECEIVED	5				Li.	X	; \$	
DISTRIBUTION		NEW	MEXICO OIL CONS	ERVATION C	OMMISSION		Form C-101	5. 2 0m. at
SANTA FE /				•	1	9 F	nevised 1-1-0	530-045-20723
FILE /					Carry Carry		STATE	Type of Lease
U.S.G.S. 2	2				nega udli u	当		
LAND OFFICE	_						.5. State Oil	& Gas Lease No.
OPERATOR /					entered The The Comments	2		······
					14.0012			
	N FOR PE	RMIT TO	DRILL, DEEPEN	, OR PLUG I	BACK			
la. Type of Work							7. Unit Agre	ement Name
DRILL XX			DEEPEN		PLUG B	ACK		
b. Type of Well							8, Farm or L	
OIL GAS XX	ОТНЕ	R		SINGLE XX	MULT	ZONE		National Gas Com
2. Name of Operator							9. Well No.	
PAN AMERICAN PE	TROLEUM	CORPORA	TION					1
3. Address of Operator	•		·					d Pool, or Wildcat
501 Airport Dri							Aztec I	ictured Cliffs
4. Location of Well UNIT LETTE	K K	Loc	ATED 1670 T	FEET FROM THE	South	LINE		
AND 820 FEET FROM	THE West	LIN	E OF SEC. 19	TWP. 29N	RGE. 9W	NMPM		
							12. County	
							San Juar	J (
		777777			//////			
				19. Proposed I	epth 1	9A. Formatio	n.	20. Rotary or C.T.
		7/////		2100'		Picture	i Cliffs	Rotary
21. Elevations (Show whether DF,	RT, etc.)	21A. Kind	& Status Plug. Bond	21B. Drilling (Contractor		22. Approx	. Date Work will start
5540 'GL		Sta	ate Wide	Arapaho	e Drill	ing Co.	1	L-30-70
23.		Þ	ROPOSED CASING A	ND CEMENT PE	POGRAM		7:	
SIZE OF HOLE	C175.05		,			T		
	SIZE OF		WEIGHT PER FOO			SACKS OF		EST. TOP
12-1/4"	8-5/		24#		00'	 	00	Surface
6-3/4"	2-7/	8	6.4#	21	.00	5:	50	Surface
	ļ					LANE	,	
					-00(VAL VAL	ESS	
Well to be dri	lled thro	ough Pic	ctured Cliffs	and casin	g satting	DAYS	NCED!	
Well to be drill Completion base Copy of Location	,				FOR YU	DAYS UNI	'	
Completion base	ed upon	ın-casır	ng Gamma Kay-I	Neutron Lo	g DRILLING	28		TENA
					(-	2	-/01	
Copy of Location	on Plat a	attached	d.		WDIRES	Parameter.	1 1 4 500	
					EXLIN	2-28	DEC	4070
Copy of logs wi	ill be fu	ırnished	d upon complet	tion of th	e well.		DEC	4 1970
	•			•			1000	1011
Non-Standard Un	nit appro	oved und	der NMOCC Ord	er No. R-3	669.			ON. COM.
	•			••			\ D	IST. 3
							_	
Verbal approval	l receive	ed Mr. I	Emery Arnold,	NMOCC, to	Joe Pr	idgeon,	Pan Amer	cican, 11-30-70.
(Since well loo	cation wa	as move	d, please voi	d Form C-1	01 date	d 11-25	-70)	,
ABOVE SPACE DESCRIBE PR	OPOSED PRO	GRAM: IF P	PROPOSAL IS TO DEEPEN	OR PLUG BACK.	IVE DATA ON	PRESENT PRO	DUCTIVE 70NF	AND PROPOSED NEW PRODUCT
TE ZONES GIVE BLOWDUT PREVENTI	ER PROGRAM, I	F ANY.						AND PROPOSED NEW PRODUCT
hereby certify that the information	on above is tru	ie and comp	lete to the best of my	knowledge and l	elief.			
·	Ran	10		7			3.7	1 20 1070
gned	~~~/	ven	Title Area	Engineer			Date NOVE	ember 30, 1970
(This space for S	State Use)							
0'	1/2	a //	ν	7	_			
PPROVED BY MILLLY	Mew	ly	TITLE Sup	Kul	111		DATE	30-70
ONDITIONS OF APPROVAL, IF		/	- //					

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-192
Supersedes G-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section Lagse perator Texas National Gas Com Pan American Petroleum Corp. Range Township County nit Letter Section San Juan 29N 9W K ctual Footage Location of Well: 820 West South 1670 feet from the feet from the line and line Dedicated Acteaget * Producing Formation vel Elev. 5540 Pictured Cliffs Aztec Pictured Cliffs Acres 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? 4 1970 DEC If answer is "yes," type of consolidation _ X Yes Communitiza OIL CON. COM. 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 Commission. *Non-Standard Proration Unit approved under N.M.O.C.C. Order No. R-3669. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Sec. 19 D. A. Wayhan Position Area Engineer Company PAN AMERICAN PETROLEUM CORP. 82d November 30, 1970 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 ec. knowledge and belief. Date Surveyed November 28, 1970 Sec 30 Scale: 1"= 1000' Certificate No.

2 0代0

.A. •					
					
NO. OF COPIES RECEIVED	우		i i i		- "
DISTRIBUTION	NE)	MEXICO OIL CONSER	time after	Form C-1(11-65 20
SANTA FE /	1			SA India	-1-65 30-045-20723 rate Type of Lease
FILE	 		13.2 1 m 20	1	FEE X
u.s.g.s. 2	4-1		Ö	\$	Dil & Gas Lease No.
LAND OFFICE	<u> </u>			J.J. State	on a das Lease No.
OPERATOR /			"f"	* home	mmmm
A PRI ICATIO	N COD DEDMIT TO	DOUL DEEDEN C			
	N FOR PERMIT I	DRILL, DEEPEN, C	R PLUG BACK	7 Unit A	greement Name
a. Type of Work					greenen Nume
DRILL X		DEEPEN	PLUG E	BACK SETTING	т Lease Name
b. Type of Well		s	SINGLE MUL	TIBLE [7]	_
oil GAS WELL X	OTHER		ZONE XX	Texas	National Gas Com
-	DOLETH CORDON	TT OX		9. Well N	0.
PAN AMERICAN PET	ROLEUM CORPORA	TION	······································	10 Field	and Pool, or Wildcat
		27 27 1 07/	0.1		·
501 Airport Driv					Pictured Cliffs
UNIT LETTE	R <u>K</u> Lo	CATED 1670 FE	ET FROM THESOUT	LINE	
10/01	77	10	2027		
AND 1340 FEET FROM	THE West	NE OF SEC. 19 TW	P. 29N RGE. 9	NMPM 12. Coun	
				//////	
HHHHHHH	HHHHHH	HHHHHH	HHHHH	HIIII San J	uan
HHHHHHHH	HHHHH		. Proposed Depth 1	9A. Formation	20. Rotary or C.T.
			_ 1		_
21. Elevations (Show whether DF,	RT, etc.) 21A. Kin	i & Status Plug. Bond 21		Pictured Cliff	S Rotary rox. Date Work will start
III II was seek lake			Arapahoe Drill:		
Will report late	r L	tate wide	Atapanoe Dilli.	rng co. I	11-28-70
		PROPOSED CASING AND	CEMENT PROGRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMEN	T EST. TOP
12-1/4"	8-5/8"	24#	200'	200	Surface
6-3/4"	2-7/8''	6.4#	2100'	550	Surface
	, -			- 10	
				APPROVAL VALID APPROVAL VALID OR 90 DAYS UNLES OR 90 COMMENCI	5
				- O() D' LIENC	ED,
Well to be drill	ed through Pic	tured Cliffs and	casing set.	APPROVAYS UNLESON OR 90 DAYS UNLESON COMMENCE OF THE PROPERTY	1 -
	9		Di	11LIII 2 28 - 17	Mark Control of the C
Completion based	upon in-casin	g Gamma Ray-Neut	ron log.		1977
- -		,	EXPIR	ES	
Copy of Location	Plat attached		-		A TYTM
				1	The B. W. Standard
Copy of logs wil	1 be furnished	upon completion	of the well.	NOW	2 A 107A
		. ,) [1404	3 0 1970
Non-Standard Uni	t approved und	er NMOCC Order N	io, R-3669.	/ \ou er	N. COM.
	• •				ST. 3
				0.0	11.3
					- Company of the Comp
Verbal approval	received Mr. E	mery Arnold, NMC	CC, to Joe Pri	dgeon. Pan Ame	rican, 11-25-70.
·			·		<u> </u>
N ABOVE SPACE DESCRIBE PR	OPOSED PROGRAM: IF PROGRAM: IF	PROPOSAL IS TO DEEPEN OR	PLUG BACK, GIVE DATA ON	PRESENT PRODUCTIVE Z	NE AND PROPOSED NEW PRODUC-
hereby certify that the information	n above is true and con	plete to the best of my kno	wledge and belief.		
X /DD I	10/10	-			
Signed	asla	Title Area Eng	ineer	Date NO	vember 25, 1970
(This space for S	State Use)				
	1/				
APPROVED BY SILLIA	Plund	*:*: E			
CONDITIONS OF APPROVAL OF	ANV			DATE	
THE THE PROVALLE	mit i				
/		*			

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Pan American Petroleum Corp. Texas National Gas Com Init Letter Section Township Range County K 19 29N 9W San Juan		All distances must be f	rom the outer boundaries	of the Section.	<u>i</u>	-	
Example recognition of Welli 1670 Issue from the South Important Protection Pool Aztec Pictured Cliffs 1. Outline the acreage dedicated to the subject well by colored pencil or hackure 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? [X Yes No If answer is "yes," type of consolidation	Pan American Petroleum	Corp.		nal Gas Com		Well No. 1	
1340 1670		-			Juan E	2	
Post Procedure Formation Post	Actual Footage Location of Well:		7.01.0				···
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?	itee trom the	: line ond	I	eet from the			
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? Yes No If answer is "yes," type of consolidation Communitization 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 Commission. *Non-Standard Protation Unit approved under N.M.O.C.C. Order No. R-3669. CERTIFICATION I haveby certify that the information contained have a complete to the Best of my knowledge and belief. Name D. A. Wayhan Position Area Engineer Company PAN AMERICAN PETROLEUM CORP. Date November 25, 1970 I hereby certify that the well location shown on this play was plotted from field notes of earner to the best of my knowledge and belief. Duit Surveyed. November 25, 1970 Howen a supervision, out field the same is trow advanced a deriver to the best of my knowledge and belief. Duit Surveyed. November 25, 1970	,			ured Cliffs	1		
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, incre-pooling, etc? Yes	1. Outline the acreage dedica	ted to the subject we	ell by colored penci	l or hachure me	arks on the pl	at below.	
Area Engineer Sec 19 100 Sec 19 100 Sec 10	interest and royalty).						•
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 Commission. *Non-Standard Proration Unit approved under N.M.O.C.C. Order No. R-3669. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. None D. A. Wayhan Position Area Engineer Company PAN AMERICAN PETROLEUM CORP. Date November 25, 1970 I hereby certify that the well location shown on this plot was plotted from field notes of ectual surveys made by me or under my superrision, and their the same is true and correct to the best of my knowledge and belief. November 25; 1970 Inverting Allowable and belief.	dated by communitization, a	unitization, force-pooli	ng. etc?			owners been	consoli-
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 Commission. **Non-Standard Proration Unit approved under N.M.O.C.C. Order No. R-3669. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Nome D. A. Wayhan Position Area Engineer Company PAN AMERICAN PETROLEUM CORP. Date November 25, 1970 I hereby certify that the well location shown on this plat was plotted from field notes of extend surveys made by me or under my supervision, and that the same is true and correct to the bust of my knowledge and belief. Dote Surveyed November 25, 1970 Hereit a district survey and belief.	•						
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forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. *Non-Standard Proration Unit approved under N.M.O.C.C. Order No. R-3669. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Name D. A. Wayhan Position Area Engineer Company PAN AMERICAN PETROLEUM CORP. Date November 25, 1970 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 November 25, 1970 Legister substitution and belief.		ed to the well until al	l interests have bee	n consolidated	(by commun	itization, uni	tization.
CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Name D. A. Wayhan Position Area Engineer Company PAN AMERICAN PETROLEUM CORP. Date November 25, 1970 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 November 25, 1970 Institute advancemental language.	forced-pooling, or otherwise	or until a non-standar	d unit, eliminating	such interests,	has been app	roved by the	Commis-
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Name D. A. Wayhan Position Area Engineer Company PAN AMERICAN PETROLEUM CORP. Date November 25, 1970 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 November 25, 1970 Institute and correct to the best of my knowledge and belief.	*Non-Standa	rd Proration Unit	t approved unde	r N.M.O.C.C	C. Order No	o. R-3669.	
teined herein is true and complete to the best of my knowledge and belief. Name D. A. Wayhan Position Area Engineer Company PAN AMERICAN PETROLEUM CORP. Date November 25, 1970 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made from ending true and correct to the best of my knowledge and belief. Date Surveyed November 25, 1970 Institute additional Engineer Limited and correct to the best of my knowledge and belief.					CE	RTIFICATION	
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D. A. Wayhan Position Area Engineer Company PAN AMERICAN PETROLEUM CORP. Date November 25, 1970 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 November 25, 1970 Iterative all histograph Linguisters					X (II	Land	lia
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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 November 25, 1970 institute standard training.			OIL DOT 3		· · ·	AN PETROLE	UM CORP.
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 November 25, 1970 Heattice of Analose growth Engineer					Date		٠.
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under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed: November: 25, 1970 Restricted difficulties desired linguisters		NAME OF THE PARTY	.]			*	
Date Surveyed November 25, 3,970 Heatrice of Parkenging Linguister	1 , 29					• ,	•
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November 25, 1970 Restricted the design of			1		knowledge and	l belief.	
November 25, 1970 Restricte additional flagicies			<u> </u>		<u>.</u> •		
Registered Professional Linguista			e ·	·			
A material state of the state o				-			· · · · · · · · · · · · · · · · · · ·
		Sec. 30			Fed BA	Cinga Lagran	

NO. OF COPIES RECEIVED	5					
DISTRIBUTION	NEW	MEXICO OIL CON	SERVATION COMMIS	SION <u>F</u>	orm C-101	
SAÚTA FE /	<u></u>					30 -04 5 - 20 <u>6</u> 2 5
FILE /					5A. Indicate Ty	·
u.s.g.s.	<u>Z/ </u>			1_	STATE	
LAND OFFICE				-	5, State Oil & C	Gas Lease No.
OPERATOR /					*******	
			· · · · · · · · · · · · · · · · · · ·			
	N FOR PERMIT TO	DRILL, DEEPE	N, OR PLUG BACK			
1a. Type of Work				1	7. Unit Agreem	ent Name
DRILL	•	DEEPEN [PL	UG BACK		
b. Type of Well					8. Farm or Leas	
OIL GAS WELL	GTHER		SINGLE Z	MULTIPLE ZONE	Gerk Cas	Com "D"
2. Name of Operator					9. Well No.	
PAN AMERICAN P	ETROLEUM CORPO	ration		}	1	
3. Address of Operator					10, Field and F	Pool, or Wildcat
501 A irport B	rive, Farmingto	on. New Mexic	o 87401		/Aztec Pi	ctured Cliffs
4. Location of Well			FEET FROM THE	orth LINE	IIIIIIII	
AND 920 FEET FROM	THE West LI	NE OF SEC. 30	TWP. 29N RGE.	9W KMPM		
HIHIHIHI	HIIIIIIIII		THIITH		12. County	.XIIIIIII
					San Juan	
	<i>HHHHHH</i>	*****	/////////////////////////////////////	////////	HIIII	HHHHH
HHHHHHH	<i>HHHHHH</i>	<i>HHHHH</i>	19. Proposed Depth	19A, Formation	20	0. Rotary or C.T.
			2100*	Pictured	C14 660	Doteum
21. Elevations (Show whether DF	RT, etc.) 21A. Kind	i & Status Pluz, Bond				Rotary Oute Work will stort
	1	-			1	
Will Report La	iter st	ate Wide			9-1	17-70
23.	1	PROPOSED CASING	AND CEMENT PROGRA	M		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	OT SETTING DEF	TH SACKS OF	CEMENT	EST. TOP
12-1/4"	8-5/8"	24	200	200	1	Surface
6-3/4"	4-1/2"	10.5#	2100	450		Surface
in-casing Came Copy of Locati Copy of logs w	illed through P: Ray-Neutron on Plat attache fill be furnishe mit approved un ROPOSED PROGRAM: IF	ed. ed upon comple ader 1940GC Ore	der No. R-3669, APPROVAL FOR 90 DAYS U DRILLING COMM	ell. RLID INLESS ENCED, 7 1970	ANG I	1 upon 1 1970 1 1970 1 COM. T. 3
I hereby certify that the information			y knowledge and belief.			
Orginal Signer		Aras	Engineer		Q.	-13-70
Signed G. W. EATON.	υ ν .	_ Title	. wri2+veer	D	ate	
(This space for	State Use)					
	10/12.	I = Q	op p		5	-///
CONDITIONS OF APPROVAL,	1 Cland	TITLE Le	of Port 11	0	ATE	-14.70

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section. C, era: Gerk Gas Com "D" I'm American Petroleum Corp. Township Hange l Unit Livier Section County 9W San Juan 29N 30 nerses Paraga Location of Wells 920 West 700 North feet from the line and feet from the Grant Lyvel Elev. Producing Formation Pool Dedicated Acreage: Pictured Cliffs Aztec Pictured Cliffs REPORT LATER 187.16 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 that he interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all AUG 1 4 1970 dated by communitization, unitization, force-pooling. etc? OIL CON. COM. Communitization X Yes If answer is "yes," type of consolidation _ ☐ No DIST. 3 if answer is "no," list the owners and tract descriptions which have actually been consolidated. (Usethis 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, climinating such interests, has been approved by the Commis-*Non-Standard Proration Unit Approved Under NMOCC ORDER NO. R-3669. CERTIFICATION I hereby certify that the information coned herein is true and complete to the my knowledge and belief. 5 G. W. Eaton. Position Area Engineer PAN AMERICAN PETROLEUM CORP. 7 August 13, 1970 Seç I hereby certify that the well location 30 shown on this plot was plotted from field nates of actual surveys made by me or 8 under my supervision, and that the same 11 10 9 is true and correct to the best of my knowledge and belief. Date Surveyed 📑 August 10, 1970 Regulate. delle Messional Single 12 and/o ".chd Surv&/) 13 15 Buckersch Fred B. Kerr Jr. Scale:

SIGNED A MILLIAM TITLE Area Engineer	DATE September 11, 1970
N 1118 Marilan.	_
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
	0000
\ \(\sigma_0\)	11 001. 3
	12 00N. COM.
	ED 3 D KIN
$\mathbf{j} = \mathbf{i}$	e 1070
	AT THE
at 212' with 200 sacks Type "A" cement with 2% CaCl. The cemen	it circulated.
A 12-1/4" hole was spudded 9-10-70 and drilled to 212'. The 8-	-5/8" casing was sat
17. Describe Proposed or Completed Operations (Clearly state all partinent details, and give pertinent dates, including work) SEE RULE 1103.	s estimated date of starting any proposed
OTHER	
OTHER	
PULL OR ALTER CASING CASING TEST AND CEMENT JOB	
TEMPORARILY ABANDON COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
NOTICE OF INTENTION TO: SUBSEQUEN	T REPORT OF:
Check Appropriate Box To Indicate Nature of Notice, Report or Ot	
GL 5588', RDB 5601'	San Juan
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
THE West LINE, SECTION 30 TOWNSHIF 29-N RANGE 9-W NMPM	
UNIT LETTER C , 700 FEET FROM THE NORTH LINE AND 920 FEET FROM	Aztec Pictured Cliffs
4. Location of Well	10. Field and Pool, or Wildcat
3. Address of Operator 501 Airport Drive, Farmington, New Mexico 87401	9. Well No. 1
PAN AMERICAN PETROLEUM CORPORATION	Gerk Gas Com "D"
2. Name of Operator	8. Farm or Lease Name
OIL GAS X OTHER-	
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OF PLUG BACK TO A DIFFERENT RESERVOIR. JSE "APPLICATION FOR PERMIT _" (FORM C-101) FOR SUCH PROPOSALS.) 1.	7, Unit Agreement 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 RESERVOIR. JSE "APPLICATION FOR PERMIT _" (FORM C-101) FOR SUCH PROPOSALS.)	
DPERATOR /	5. State Oil & Gas Lease No.
U.S.G.S.	State Fee X
FILE / L	
SANTA FE / NEW MEXICO OIL CONSERVATION COMMISSION	C-102 and C-103 Effective 1-1-65
DISTRIBUTION	Supersedes Old
NO. OF COPIES RECEIVED 3	Form C-103

DATE September 11, 1970

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

DISTRIBUTION SANTA FE NEW MEXICO OIL CONSERVATION COMMISSION FILE U.S.G.S. LAND OFFICE OPERATOR SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR "POPOSALS TO DRILL ON TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVO 1. OIL WELL GAS WELL OTHER- 2. Name of Operator	Sa. Indicate Type of Lease State Fee. X 5. State Oil & Gas Lease No.
SANTA FE NEW MEXICO OIL CONSERVATION COMMISSION FILE U.S.G.S. LAND OFFICE OPERATOR SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVO USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. OIL WELL GAS WELL OTHER-	C-102 and C-103 Effective 1-1-65 Sa. Indicate Type of Lease State Fee X 5. State Oil & Gas Lease No.
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVO USE "APPLICATION FOR PERMIT " (FORM C-101) FOR SUCH PROPOSALS.) 1. OIL WELL GAS WELL OTHER-	Sa. Indicate Type of Lease State Fee. X 5. State Oil & Gas Lease No.
U.S.G.S. LAND OFFICE OPERATOR SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVO USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. OIL WELL GAS WELL OTHER-	State State Oil & Gas Lease No.
CON NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVE USE "APPLICATION FOR PERMIT -" (FORM C-10) FOR SUCH PROPOSALS.) 1. OIL GAS WELL WELL WELL WELL	State State Oil & Gas Lease No.
OPERATOR SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVO USE "APPLICATION FOR PERMIT" (FORM C-10) FOR SUCH PROPOSALS.) 1. OIL WELL WELL OTHER-	5. State Oil & Gas Lease No.
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVO USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. OIL WELL WELL OTHER-	
1. OIL GAS WELL WELL A OTHER-	
1. OIL GAS WELL WELL TO OTHER-	
OIL GAS TO OTHER-	1R. ()
	7. Unit Agreement Name
	8. Farm or Lease Name
PAN AMERICAN PETROLEUM CORPORATION	0
3. Address of Operator	9. Well No.
501 Administration Provides the Many Many 15 and a CT/01	
501 Airport Drive, Farmington, New Mexico 87401 4. Location of Well	10. Field and Pool, or Wildcat
	1
UNIT LETTER C,	FEET FROM AZTEC PICTURE CITES
THE West LINE, SECTION 30 TOWNSHIP 29-N RANGE 9-W	NMPM. ()
15, Elevation (Show whether DF, RT, CR, etc.)	12, County
GL 5588', RDB 5601'	San Juan
Check Appropriate Box To Indicate Nature of Notice, Rep	
NOTICE OF INTENTION TO: SUB	SEQUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING CASING TEST AND CEMENT J	
OTHERSet	ting 4-1/2" casing K
OTHER	
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent date	
The 4-1/2" casing was set at 2059' with 400 sacks Type "Pozmix and 6% Gel and 2 pounds medium Tuf Plug followed Neat. The cement circulated. Tested casing with 3200 per	by 100 sacks Type "C"
The 4-1/2" casing was set at 2059' with 400 sacks Type "Pozmix and 6% Gel and 2 pounds medium Tuf Plug followed Neat. The cement circulated. Tested casing with 3200 per second s	by 100 sacks Type "C"
The 4-1/2" casing was set at 2059' with 400 sacks Type "Pozmix and 6% Gel and 2 pounds medium Tuf Plug followed	by 100 sacks Type "C" si OK.
The 4-1/2" casing was set at 2059' with 400 sacks Type "Pozmix and 6% Gel and 2 pounds medium Tuf Plug followed Neat. The cement circulated. Tested casing with 3200 per second s	by 100 sacks Type "C" si OK.
The 4-1/2" casing was set at 2059' with 400 sacks Type "Pozmix and 6% Gel and 2 pounds medium Tuf Plug followed Neat. The cement circulated. Tested casing with 3200 per second s	by 100 sacks Type "C" si OK.

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	_	ź _		Form C-103
DISTRIBUTION	 , 	 		Supersedes Old C-102 and C-103
SANTA FE	+/		NEW MEXICO OIL CONSERVATION COMMISSION	Effective 1-1-65
FILE	-+-	+		5a. Indicate Type of Lease
U.S.G.S.	-	+		State Fee X
OPERATOR .	+7	 		5. State Oil & Gas Lease No.
		i	<u> </u>	
(DO NOT USE THIS US	SU FORM FO	INDRY NOT	ICES AND REPORTS ON WELLS TO DRILL OR TO DEEPEN OF PLUG BACK TO A DIFFERENT RESERVOIR. PERMIT -** (FORM C-101) FOR SUCH PROPOSALS.)	
1. OIL GA]K 07HE		7. Unit Agreement Name
2. Name of Operator PAN AN	ŒRIC	AN PETRO	LEUM CORPORATION	8. Form or Lease Name Gerk Gas Com "D"
3. Address of Operator				9. Well No.
	rpor	t Drive,	Farmington, New Mexico 87401	1
4. Location of Well		700	No. and O.	10. Field and Pool, or Wildcat
UNIT LETTERC		700	FEET FROM THE NORTH LINE AND 920	Aztec Pictured Cliffs
THE West	_ LINE,	SECTION	30 TOWNSHIP 29-N RANGE 9-W	нмрм.
	IIII	7777777	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
			GL 5588', RDB 5601'	San Juan
16.	Che	eck Approp	oriate Box To Indicate Nature of Notice, Repor	rt or Other Data
нот		OF INTENT	-	EQUENT REPORT OF:
•				
PERFORM REMEDIAL WORK	H		PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	H		COMMENCE DRILLING OPNS. CHANGE PLANS CASING TEST AND CEMENT JQB	PLUG AND ABANDONMENT
POLE OR ALTER CASING			OTHER	
OTHER				
				Tilde and the second se
work) SEE RULE 1 103	Comple 3.	ted Operations	s (Clearly state all pertinent details, and give pertinent dates,	including estimated date of starting any proposed
TD 2080', H	PBD 2	2023'.		
·				
			eptember 15, 1970. Ran tubing to PBD	
			er with 0.8% KCl and 7 pounds Gel per	
			erforated 1963-73' and 1983-88' with	
fraced with	1 10,	,800 Serr	ons water containing 0.8% KCl and 7 p	ounds Gel per 1000
garions and	10 na	,vvv poum	ds 10-20 sand. Breakdown pressure 14 mm 1200 psi and average 1250 psi. AI	W. Treating pressures:
HAXIMUM 14	o pa)T 9 III.LILLIN	um 1200 pai and average 1230 pai. Ai	R 31 BFM.
				/Ribling 1
				/ 1.000
				SEP & L 1970 OIL CON. COM. DIST 3
				0000
				OIL CON. COW.
				DIST. 3
18 I hereby cartify that the	e infor-	nation shows !	s true and complete to the best of my knowledge and belief.	
			s true and complete to the nest of my knowledge and belief.	
		oked sy Www.	Area Engineer	Santambar 17 10
SIGNED D. A	<u>. 1777(</u>	(HAIA	TITLE Area Engineer	September 17, 19
APPROVED BY				
CONDITIONS OF APPROV				

NO. OF COPIES RECEIV	ED 6,					Form C	-105
DISTRIBUTION							d 1-1-6f
SANTA FE						Sa. Indicate	e Type of Louse
FILE			EXICO OIL CON			State	Fee X
		VELL COMPLE	TION OR RECO	DMPLETIO	N REPORT AN	D LOG 5. State Or	l & Gas Lease No.
U.S.G.S.						1	_
LAND OFFICE					(1:2:3:2	7777773 ×	mm: mmm
OPERATOR	12+				100		
T					/ 	<u> </u>	reement Name
Id. TYPE OF WELL				ſ		\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	eement Attac
	VIEL	GAS WELL	X DRY	OTHER			
b. TYPE OF COMPLE	ETION ORK	- 2 LUG [DIFF.			., - 1	Lease Name Gas Com "D"
WELL OV	ER DEEPE		RESVR.	OTHER			
2. Name of Operator						CON. 9, Well He.	_
		EUM CORPORA	rion		<u> </u>	3	1
3. Address of Cperator		•	_		6. 1000-1-1-1-1-1	i	and Pech, or Vildeat
	ort Drive,	Farmington,	New Mexico	87401		Aztec	Pictured Cliffs
4. Location of Well							
UNIT LETTERC	LOCATED	700 FEET FR	OM THE NORT	LINE AND	920	ET FROM	
				111111	11111111	12. "ounty	· Allilli
THE West LINE OF	sec. 30 T	WF. 29-N RGE	. 9-W NMPM			///// Sam Ju	an ())))))
15. Date Spudded	.6. Date T.D. F	leached 17. Date (Compl. (Kendy to F	roJ.) 15. E	levations (DF, RI	B, RT, GR, etc. / 19.	. Elev. Cashinghead
9-10-70	9-13-7	70 9-	21-70	GR	5588', RKB	5601'	5588 '
70. Total Depth		g Back T.D.	22. If Multipl	e Cangl., Hes		, Retary Tools	Cai le Tools
2080¹		2023*	Many		Drilled B	Y O-TD	į
24. Producing Interval			Name				25, Was Directional Survey
							\:ade
							37 .
1963-88", F 26. Type Electric and	ictured Cli	ffs					No
						37.	Was Well Cored
Gamma Ray-N	eutron Cor	relation wit					No
28.		CAS	ING RECORD (Rep	ort all strings	set in well)		
CASING SIZE	WEIGHT LB.	/FT. DEPTH	SET HOL	ESIZE	CEMENT	ING RECORD	AMOUNT PULLED
8-5/8"	24	212	12	-1/4"	200 sx (c	irc)	None
4-1/2"	9.5	2059	6	-3/4"	500 sx (c	irc)	None
•							
29.	L	INER RECORD			30.	TUBING REC	CORD
SIZE	TOP	воттом	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					1-1/4"		
		 			1 1/7	2703	
31. Perforation Record	(Interval, size an	d number)		92.	ACID SHOT ERA	CTURE, CEMENT SO	OUEEZE ETC
	,				INTERVAL		
							ND MATERIAL USED
1963-73' x 3	1983–88' x: 3	2 SPF		1963-8			300 gal. water x
					30,000	1b. 10-20 sa	ma
				ļ			
				<u> </u>			
33.		N. O. A. (E.L.)		UCTION	,	1	
Date First Production	Produ	action Method (Flou	ing, gas lit, pump	ug - Size an	ttype pump)	1	us (Prod. or Shut-in)
		Flowing					Shut IN
Date of Test	Hours Testec.	Choke Size	Prod'n. For Test Period	Oil — Bal.	Gas - MCF	Water — Bb1.	Gas = Oil Hatio
9-27-70	3 hr.	3/4"	<u> </u>				<u> </u>
Flow Tubing Press.	Casing Pressur	e Calculated 24- Hour Rate	OH = Bbt.	Gas = 1.	1	r - 3bl. Of	i Gravity - API (Corr.)
102 psig	358 psig		<u> </u>	1384	(AOF 2012)		
34. Disposition of Gas		el, vented, etc.)				Test Witnessed	Ву
To be sold	i to El Pas	o Natural Ga	s Co.				
35. List of Attachment							
or I to the state of							
30, I nereby cernify inc	it the information :	shown on both sides	of this join is tru	e and complet	e to the best of m	knowledge and belie	: 1.
			of this form is tru	e and complet	e to the best of m	knowledge and belie	:f.
OPT	it the information s	x*		e and complet		·) October 13, 1970

•

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, I:ems 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Northwestern New Me rico

_____ T. ____

Southeastern New Mexico

_____T.__

____т. -

Abo ___

Wolfcamp_

T Cisco (Bough C) _____ T.

T. Ojo Alamo T. Penu. "B" T. Kirtland-Fruitland T. Penu. "C" T. _ T. Penn. "B"_ T. Canyon ____ ____ T. Strawn ___ T. Pictured Cliffs 1962 T. Penil "D" _____ T. Atoka ____ B. T. Miss _____ T. Cliff House ____ T. Leadville ___ 7 Rivers ______ T. Devonian _____ T. Menefee _____ T. Madison _____ т. T. Silurian T. Point Lookout T. Elbert T. McC acken ______ T. McC acken _____ T. T. Grayburg ____ T. Gallup T. Ignacio Qtzte _____ T. Simpson ____ San Andres ____ T. McKee _____ Base Greenhorn ____ T. Granite ____ T. Ellenburger _____ T. Dakota ____ _____ T. ____ ______ Т. Gr. Wash ______ Т. Монтison _____ Т. ____ _______ T. Granite ______ T. Todilto ______ T. _____ T. Tubb ___ Drinkard ______ T. Delaware Sand _____ T. Entrada _____ T. T. _____ _____ T. Bone Springs _____ T. Wingate _

FORMATION RECORD (Attach additional sheets if necessary)

T. Permian

_____ T. Chinle __

From	То	Thickness in Feet	Formation	From	то	Thickness in Feet	Formation
1962	2016	54*	Pictured Cliffs				
						eas a manage proprietario	
	li						

TABULATION OF DEVIATION TESTS GERK GAS COM "D" NO. 1 PAN AMERICAN PETROLEUM CORPORATION

DEPTH	DEVIATION
215'	o°
793 '	1/4°
1246'	1/2°
20281	1°
2080 *	1-1/2°



AFFIDAVIT

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation test taken on PAN AMERICAN PETROLEUM CORPORATION'S Gerk Gas Com "D" No. 1 located in the NW/4 NW/4 (700' FNL and 920' FWL) Section 30, T-29-N, R-9-W, San Juan County, New Mexico.

Signed Coll On I Van
Title Area Engineer

THE STATE	OF NEW MEXICO)	
	,)	SS.
COUNTY OF	SAN JUAN)	

BEFORE ME, the undersigned authority, on this day personally appeared D. A. Wayhan known to me to be Area Engineer for Pan American Petroleum Corporation and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 13th day of October, 1970.

Roverly Riley Notary Public J

My Commission Expires: 200 1 1974

HO. OF COPIES RECEIVED DISTRIBUTION NEW MEXICO OIL CONSERVATION COMMISSION Form C-104 SANTA FE REQUEST FOR ALLOWABLE Supersedes Old C-104 and C-110 Effective 1-1-65 FILE AND u.s.g.s. AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS Pan American Petro. Corp. LAND OFFICE OIL TRANSPORTER cherged its role to OPERATOR AMOCO PROD. CO. PRORATION OFFICE Operato PAN AMERICAN PETROLEUM CORPORATION 501 Airport Drive, Farmington, New Mexico 87401 Reason(s) for filing (Check proper box) Other (Please explain) \mathbf{x} Change in Transporter of: CON. COM. Dry Gas Recompletion Oil ;:T. 3 Change in Ownership Casinghead Gas Condensate If change of ownership give name and address of previous owner ____ II. DESCRIPTION OF WELL AND LEASE | Well No. | Pool Name, Including Formation Lease No. State, Federal or Fee Fee Gerk Gas Com "1)" Aztec Pictured Cliffs _Feet From The <u>North</u> _ine and __ West Line of Section Township 29-N Range 9-W . NMPM. San Juan County III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS | Name of Authorized Transporter of Oil | or Condensate | | Address (Give address to which approved copy of this form is to be sent) Name of Authorized Transporter of Casinghead Gas ____ or Dry Gas Address (Give address to which approved copy of this form is to be sent) El Paso Natural Gas Co. O. Box 990, Farmington, New Mexico 87401 Twp. P.ge. If well produces oil or liquids, give location of tanks. No If this production is commingled with that from any other lease or pool, give commingling order number: COMPLETION DATA Oil Well Workover Plug Back | Same Res'v. Diff. Res'v. Designate Type of Completion - (X) Total Depth Date Compl. Ready to Prod. P.B.T.D. 9-10-70 9-21-70 20801 20231 Elevations (DF, RKB, RT, GR, etc., Name of Producing Formation Top Oil/Gas Pay Tubing Depth GR 5588', RKB 5601' Pictured Cliffs 19621 19631 Depth Casing Shoe 1963-73' x 1983-88' x 2 SPF 2059' TUBING, CASING, AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT 12-1/4" 8-5/8" 212' 200 sx ć-3/4" 4-1/2" 2059 1 500 ex 1-1/4" 19631 V. 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 for this depth or be for full 24 hours) OIL WELL Date First New Oil Run To Tanks Date of Test Producing Method (Flow, pump, gas lift, etc.) Length of Teet Tubing Pressure Actual Prod. During Teet Oil-Bble. Water - Bbls. Gas - MCF **GAS WELL** Actual Prod. Test-MCF/D ength of Test Bbls. Condensate/MMCF Gravity of Condensate 1384 (AOF 2012) Testing Method (pitos, back pr.) Coming Pressure (Shut-in) Choke Size Open Flow 608 psig 608 paig VI. CERTIFICATE OF COMPLIANCE OIL CONSERVATION COMMISSION J. J. 1970 I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief. APPROVED. Offernol Signed by Entery C. Arnold BY_ SUPERVISOR DIST. #3 TITLE ONGING COLD W This form is to be filed in compliance with RULE 1104. D. A. Marian

Area Engineer

October 13, 1970

(Title)

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 silowable on new and recompleted wells.

If this is a request for allowable for a newly drilled or deepened

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.

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ENERGY AND MAINISTRANC DEGAR		•		•
ENERGY AND MILIERALS DEPAR	•	ERVATION DIVISIO	••	i
" 00, 0* COFICE *CCCEVED	 [4	14	Form C-103
DISTRIBUTION	P.	. O. BOX 2088		Revised 19-1-78
SANTA FE	SANTA FE	, NEW MEXICO 87501		
FILE	·			Sa. Indicate Type of Lease
U.S.G.S.	ı			State Foo X
LAND OFFICE			•	
OPERATOR				5, State Oil & Gas Lease No.
IND MAY HER THIS CORM FOR	IDRY NOTICES AND REPORT	CO BLUE WALL TO A DIFFERENCE BUSES	VOIA.	
1.				7. Unit Agreement Name
WELL AND WELL X				
2. Name of Operator	OTHER-			8. Farm or Lease Hame
				1
Amoco Production	Company			Gerk Gas Com "D"
3. Address of Operator		·		9. Well No.
501 Airport Driv	e, Farmington, NM 87	401		1
4. Location of Well	_,			10. Field and Pool, or Wildcat
., -	=00			,
UNIT LETTERC	700 FEET FROM THE	North LINE AND 920	FEET FROM	Aztec Pictured Cliffs
Vact	30	29N 9W		XIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
THE WEST LIKE, SO	CTIONTOWNSHIP_	29N RANGE 9W	NLIPM.	
************				<i>x111111111111111111111111111111111111</i>
	15. Elevation (Show	whether DF, RT, GR, etc.)		12. County
	(((((())))) 5588'	GR		San Juan
16.	1 4	* * * * * * * * * * * * * * * * * * * *		
Chec	k Appropriate Box 10 Ind	icate Nature of Notice, Re	sport or Otl	ier Data
NOTICE OF	INTENTION TO:	su	JBSEQUENT	REPORT OF:
PERFORM REMEDIAL WORK	PLUG AKU ABAN	DON REMEDIAL WORK		ALTERING CASING
Ħ	PEUG AND ABAN	·— I	片	H
TEMPORABILY ABANDON		COMMENCE CRILLING OPH	۶۰ لیا	PLUS AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT	1 JQB	
		OTHER		
OTHERRepair				
17 Describe Proposed or Completed	Operations (Clearly state all per	inent details, and aive verticent do	tes including	estimated date of starting any proposed
work) SEE RULE 1103.	Operations (Ottain) state are per-	ment actates, and give pertitent ac	ites, incinaring	estimated date of starting day proposed
Amoco Production	Company requests app	roval to repair the s	ubiect we	ll according to
the attached pro		•	3	3
the arrached pro				
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	•		-ir CO	IN. DIV
			Dis	Т. З
			0	•
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ONDITIONS OF APPROVAL, IF ANY

- FARMINGTON DISTRICT WORKOVER

DATE: 9/12/84

ENG-40

OPERATIONS TO BE PERFORMED: (CIRCLE ONE) RECOMPLETION REPAIR SERVICE
LEASE AND WELL GERK GAS COM D. No. 1 FIELD AZTEC PICTURED Cliffs
FORMATION PICKIRED CLIFFS LOGS GAMMA-RAY, Newtron
LOCATION 100'FILX 920' FWL Section 30, T29N, R9W, Sw. Juan Co. NM
COMP. DATE 9/21/70 EL: 401 KB TD: 2080' PBD: 2023'
csg: 81/8 " 24 " K-55 e 21Z 1: 41/2 " 9,5 " K-55 e 2059 1
COMP. INT. 1963-73'x 1933-88 x 2 spf ORIG. STIM. 16,800 gol 140 x 30,000 10-20 sad
IP 1384 MCFD CURRENT PROD. INT. SAME
PURPOSE: repaire suspected casing leak
WJH TKA TWE GOM MCH 5/PERMITTING DESK ENGR FILE BYD GMK
WELLBORE SKETCH PROCEDURE
1. MIX RUSU ND WELLHEAD, NU BOD. TIX fUBING X tag for fill
* 2. If NO fill is present, TO x that TI x that x retrievamatic packer x Set at 1925' x put on production x test seperator and GOR meter with will perform back pressure tests on control this well during this test period 3. If fill is present, CO x Nz to PBD. TO x that is hole x Baker Model D, Size 24-19 production packer x Model B expended plug. Wireline Set At 1950'. Dump Sand on
1.4", 2.4" J.55, 18A 1913' 4. Il x retrievamatic packer x tubing x set at 1890 4. Il x retrievamatic packer x tubing x set at 1890 Ressure up on tubing to 1508 psi to determine integrity of production packer Replace belling to 1500 psi to Osspicologo 1910 PED 2023 1/2 determine fall of AND westing rate Beau
*3:1400 (\$4259 MOUNG uphole while officiately pressiving up classing x tubing to determine Source of leak is most likely the ONO Alamo between 800-1200'.
DISTRICT MANAGER W. O. Holcomb Tan
DISTRICT ENGINEER Sim California
DISTRICT FOREMAN JW. Estim
ENGINEER Aluxel Chots
DATE

ENGSPE

- 5. Squeeze leak by displacing 50 sx Class B Neat cut x 2% Callz to with 500' of the end of tubing. Set packer x bulliced cut into leak. Whit the and pressure up on cut again.
- Pressure test squeeze to /Scopsi. If pressure bleeds off, repeat Step 5 chowe. If Not, TO x fbg, TI x fbg x 21-19 Seal assembly. Circ Sand of packer, Displace 1200 gals water x 4 gal WA 840 x 1.5 gal WA 87Z down auxilus as a packer fluid. Sting into packer and put well an production test as outlined in Step 2.

Note: Casing roting is 2000 psi

If he fill is present, we will squeeze suspected casing leak often flow test. TIX the Better Model D productions parker (see 24-19) x Model B expendeble plug, set at 1950', dump sund on top of and proceed with program at 54p4.

ENERGY 410 MINERALS DEPARTMENT

(
DISTRIBUTION		
SANTA FE	i	
FILE		
U.S.G.S.		
LAND OFFICE	i	

	_ OIL CONSERVA	ATION DIVISION	
DISTRIBUTION	Р. О. ВС	X 2088	Form C-193 Revised 19-1-7
SANTA FE	SANTA FE. NEI	V MEXICO 87501	KEALZEG 12-1-1
PILE	7		Sa. Indicate Type of Lease
U.S.G.S.			
LAND OFFICE	7		State Fee K
OPERATOR]	•	S. State Oil & Gas Lease tio.
			·
SUND	RY NOTICES AND REPORTS OF	BALR TO A DIFFERENT RESERVOIR.	
USC "APPLICA	TIG FOR PERMIT L" (FORM C-101) FOR SU	CH PROPOSALS.)	7. Unit Agreement Name
1. OIL			7. Out Adreement Noise
week A	OTHER-		
2. Name of Operator			8. Farm or Lease Hame
Amoco Production Con	npa-ny		Gerk Gas Com "D"
3. Address of Operator			9. Well No.
501 Airport Drive F	Farmington, NM 87401		1
4. Location of Well	armingcon, Nr. 8/4()		10, Field and Pool, or Wildcat
· ·	760		Aztec Pictured Cliffs
UNIT LETTER C	700 PEET FROM THE NORT	b_ LINE AND 920 PEET FR	"" " " " " " " " " " " " " " " " " " "
			MIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
THE West LINE SECT	10N 30 TOWNSHIP 29	N RANGE OLD MAN	
the			
	15. Elevation (Show whether	DF, RT, GR, etc.)	12. County
	5588' GR		San Juan
İmmini	7//// 2200 GK		Jan Juan
Check	Appropriate Box To Indicate 1	Nature of Notice, Report or (Other Data
	NTENTION TO:	_	NT REPORT OF:
•			
NERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	
			ALTERING CASING
HOOMARILT ABANDON	[COMMENCE DRILLING OPHS.	PLUG AND ASANDOWMENT
THE OR ALTER CASTHE	_ CHANGE PLANS	CASING TEST AND CEMENT JOB	
		OTHER	
@THCR		1	
	perziions (Clearly state all pertinent der	ails, and give pertinent dates, includi	ing estimated date of starting any propose
work) SEE RULE 1103.			
in 1963'-1988', waite out of the production of the well. Injecte	up service unit 10/10/84. 23'. Tested backside to ed 30 minutes and blew ba n packer Model D. Let wa ed 100,000 scf N ₂ in 1963 ith no success. Decided P x A).	1300-1600 psi. Injecte ck, no gas. Pulled dou ter up the backside and	d 50,000 scf N ₂ ghnut while stinging swabbed water out
	rl.		
	, 12-100		
	I would be	<u> </u>	
1	A apr -liles	1 4 10144	4 1. No.
<i>!</i> ·	" 5/10/"		
	A aprior 5/16/85	Character	-3145
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	shove is true and complete to the heat of	i my snowledge and belief.	•
Original Sign	nea sy		
100 St. 0. St.	Adm	inistrative Supervisor	DATE 11/9/84
	•	•	
Original Signed by FR	ank t. Chavez	SUPERVIOR DISTRICT # 3	NOV 1 1 400 4

STATE OF NEW MEXICO

attached pro accept certify that the in	Signed By Shaw	er and complete to the best of	OIF (B 01 1985 CON. DIV. DIST. 3
attached pro	formation above is to	e and complete to the bear si	OIF (B 01 1985 CON. DIV. DIST. 3
		-	OIL (B 01 1985 CON. DIV. DIST. 3
			FEI OU	B 01 1985 CON. DIV.
				S 1 1985
				grve m
		requests approved	to repair the subject	t well according to the
A D - 1	obion Company	maguapha anawara1	to rangir the subject	t well according to the
Describe Proposed or Co work) SEE RULE 1603.	ompleted Operations ((Clearly state all pertinent des	ails, and give pertinent dates, includ-	ing estimated date of starting any propos
THER	_ _	_ CHANGE PLANS [_]	OTHER	[
POPARILY ABANDON	<u> </u>	PLUG AND ARAHOON [_]	COMMENCE ORILLING OPHS.	ALTERING CASING PLUG AND ABANDONWENT
	ice of intentio	رے 		ENT REPORT OF:
		iate Box To Indicate N	Vature of Notice, Report or (
		15. Elevation (Show whether		12. County
THE West	. LINE. SECTION3	0 Townsells 29N	MANGE 9W MA	
UNIT LETTERC	700	_FEET FROM THENorth	LINE AND PEET PR	Aztec Pictured Clif
501 Airport	Drive, Farmin	gton, NM 87401		1 10. Field and Pool, or Wildson
Amoco Produc	tion Company			Gerk Gas Com "D"
ame of Operator	OTHER	l+		8. Fam or Lease Irane
	SE "APPLICATING FOR PC	DOUIT - TOORM C-LOIP FOR BU		7. Unit Agreement l'acce
	SUNDRY NOTI	CES AND REPORTS ON	4 WELLS	
			•	State Oil & Cas Lease No.
CAND OFFICE				Sa. Indicate Type of Lease
U.S.G.S.			OX 2088 W MEXICO 87501	Form C-193 Revised 19-1

FARMINGTON DISTRICT WORKOVER

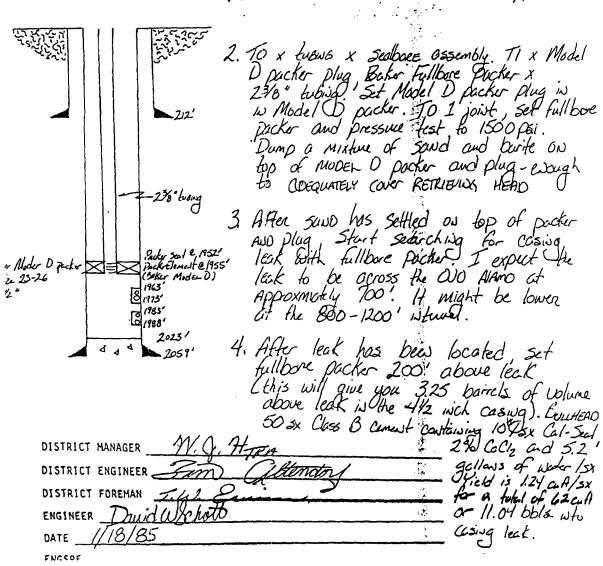
DATE: 1/17/85

OPERATIONS TO BE PERFORMED: (CIRCLE ONE) RECOMPLETION REPAIR SERVICE
LEASE AND WELL GERK GAS COM. D. N. I FIELD Aztec Pictures Ciffs
FORMATION PICKLED CLIPS LOGS GAMMA Ray- Newton
LOCATION 100' FULX 920' FWL, Section 30, T29N, ROW, Saw Juan Co, MM
COMP. DATE 9/21/70 EL: 5601/KB TO: 2080 PBD: 2023'
csg: 8/8 " 24 # K-550 212 ": 41/2 " 9.5 # K-550 2059"
COMP. INT. 1963-73, 1983-88 x 254 ORIG. STIM. SWHFX (1800 gg 1 HO x 30,005 10-20
IP 1384 MC-D CURRENT PROD. INT. SAME
PURPOSE: repair Casing last and Farm Frag
WJH TKA GON MCH 5/PERMITTING DESK ENGR (ILE) OHS RGH EVD GMK

WELLBORE SKETCH

PROCEDURE

1. MI x RUSU. ND WELLEAD (See Note 1), NU BOP



- Pump, thisotopic coment to 100' above lak (1.5 bbls) So that top of Cement is michaey between bottom of packer and top of leak. Keep pressure up on coment and how pressure for 60 minutes. Thickening time of this sturry at 80° is 1:15.
- 5. WCC aversite. Dave out cement x bit x Casing SCRAPER x pressure tests casing to 1500 psi. TO x bit x scraper. TI x tusting and retrieves some head. Circ sound off packer play and retrieve some. TO x packer play. Tix hubing and land at 1750' open evoled.
- 6. Refrac Pictured Cliffs down hibring and annihis with 45,000 gallows 70 quality form and 70,000 16 10:20 mesh berdy Sand. Use 2% filtered KCL water containing 20 16/1000 gal gel. Pump water, sould and 10% of N2 down annulus AND remaining N2 down tubing. Pump as follows (See Note 2):

Form Volume	abler Volume	Sturry Volume	Stage	Couc.,
(GAL/BBL)	(GAL/BOL)	(GR./BBL)	_ 'O	(PPG YFaan/Auga)
5000/119	1500 /34	1500/36	1	PAO (Foom/Sway)
500/119	1500 /36	1614/38	2	.5/1.7
5000//19	1500/36	1728/41	3	1.0/3.33
500//19	/500/36	1841/44	4	1.5/5.0
15000/357	4500/107	5865/140	5	2.0/6.7
10000/238	300/71	4138/99	4	2.5/8.33
·	•		, j	Flux#

- 7. Strut-in well a minimum of 24 hars. May want to shit-down the entire day after the frac
- 8. Clear out to top of Model Dpicker X. Nileogial, String into Sume X Seal cossembly and Swab well in to Kick of. After well has cleared up, mix 2 bbls whibitor and 5 bbls organ Scarenger with 21 bbls water. This is our packer fluid, Dump packer fluid down backside. KEEP ANY WATER off Farmston after frac.
- 1. Put well as 7-day flow test with 50 psi backpressure on tubidg. Record RESULTS on chily morning report. Put well back into Schesline.

Notes:

- 1. There is 9000 lb. compression on the turing when it was last landed in the Model D packer.
- 2. Experted treating preseres are 1200 psi on backsine and 2500 psi count bubing. Expected bottom hole treating pressure is 1800 psi. No injection ente is 12,700 sef/min mo 1411 sef/bbl liquin. Have about .5 million sef No on location. Squeeze will have been tested to 1500 psi. Absolute Maximum pressure, an Casing should be 1750 psi. Mormum rating on tubing is 6000 psi.

Monnin rating on tubing is 6000 psi.

3. If we cannot get into the formation below tubularlimits set down above. String into packer x

Sed assembly and frac down thubing with same
frac pump schedule shown in step to only add

5000 gals. to pap volume and pump at

15 BPM. Expected treating pressures down turing are 3600 3700 psi.

4. Total Pump rake for triple estry job is 30 BPM (21 BPM N2 pump rate × 9 BPM liquio pump rate). Total pump rok if it is necessary to go down tubing is is BPM (10.5 BPM N2 × 4.5 DPM water)

Mask's Diwe

GUALITY ConteuL:

1. Please Check

C. Sieve AMOLEYS FLALYSIS

b. Steam Cleux all fractants

T. FILTER ALL WATER to Inicion before it goes into well

d. Use bady swo

2. Record land recovered and lood yet to be recovered

Amoco Production Company Correction 6							
WELL REPAIR AUTHORIZATION AND REPORT						DELETION 9	
	WELL				•	FLAC (WELL) NO.	
LEASE/UNIT NAME AND WEL.	MUMBER		HORIZ	ON NAM			
7 7 11	7) 4/	1		tures	71 1	HORIZON COL	
(18K (7AZ COM	<u>D_1\b.</u>				ATE		
FIELD A / D /	0.50		ר אדאל		· · ·	ا المحال	
HZIEC PICTURED	C14/5		DAN JUAN		IN .	CONTROL DATE	
OPERATOR	DISTRICT		ELEVATION	EL	EV. REFERENCE PT.	MO DAY YE	
Amoro	HARMIN	15 By	5601	1,	KB		
LAST PRODUCING WELL ON LEAS		1. D.	P. B.T.D.	LOCATIO	N	54.1 ()	
3	NO.	2080'	2023		NL x 920 Fux Se	30 29.19/1 C. NM	
		2000		1/00 1	12 120 120 July ses	CALATO COLOR	
Amoco	112	OTHER WORKING		(12)			
WORKING INTEREST	~./.	DOUTTHAN	D NOYALLY (151			
Amoco	201	TOTAL REPAIR		EPAIR	PRODUCTION IN		
NET INTEREST	7797	HORIZONS 7	PRODUCING	INJECTI	ON EXPECTED	YES HO	
			· · · · · · · · · · · · · · · · · · ·				
TYPE JOB SELECT ONE MAJ	OR (1) AND	MAXIMUM THREE	MINOR 12		ESTIMATED COST		
<u></u>		·		_	INTANGIBLES	10 000	
CONVERT TO INJECTION	, CONVER	1 TO PROD	DEEPEN		RIG COST	s 18,000	
WATER FRAC	OIL FRA	·C	ACID FRAC		EQUIPMENT RENTAL	•	
ACIDIZE	REPAIR	CASING	WHIPSTOCK	[7]	CIRCULATING MEDIA	1,000	
PLUG BACK	PERFOR	ATE	CEMENT SQUEEZE	. 171	CEMENT AND SERVICE		
WASHING SAND	•	ONTROL	OTHER		PACKERS AND EQUIPMEN	5,000	
	•	·	. 01	. ـــا.	\		
SET LINER OR SCREEN		ER OR SCREEN	بے		PERFORATE, LOG, WIRELIN		
TREATING VOLUME - GAL.	45,0		IEA REPAIR CODE	المنسب	STIMULATION	60,000	
REPAIR DESCRIPTION MAXIMUM 25 SPACES LABOR						<u> 3,0</u> 00 .	
SQUEEZE CASING L	EAK X	Kefroc		į į	SPECIAL EQUIPMENT		
GROSS PRODUCTION	BEFORE	ANTICIPA	TED UNIT P	RICE	FISHING	** *******	
OIL BOPD		OTHER INTANGIBLES	18,400				
OIL BOPD STAR INTANGIBLES 78,430 WATER BWPD O TOTAL INTANGIBLES \$							
1/400						•	
OTHER /DAY			S/UNIT LA	<u> </u>	TANGIBLES	_	
					CSG., TBG., HEAD, ETC.	\$	
	ED PAYOU	·	MONTHS				
GROSS INJECTION	_				TOTAL GROSS COST	1/0,400	
WATER GAS	. 186	J. AIR	STEAM OTH	ER			
	BEFORE	ANTICIPATED			Amoco	, ,	
RATE SPD OR MCFD		٦.			WORKING INTEREST CO	st s 47 140	
PRESSURE PSIG		1					
							
REASON FOR WORK				_	1/11		
of In. Dall	TOPED A	A MASING L	SAK W 1902	. W	September 1984	1 0.1 1145	
1/15 WELL LEVE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				771000	I A KIG WIS	
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MOVED ON THE	,	. , ,			j. caree	is a mark to	
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the leak and	[· · ·		Il Not fow	ر ر	were the top		
						'/ L.(/	
.3 BCF au	CI TO	ital ason	c one .79 1	DE+	THIS WELL WIL	1 NOOL	
)		
145 Casua MA	ושאות	me ge n	staced x N	1 1	M		
1- 1			•••	- 70	77		
					<i>i</i>		
					· /		

REPAIR RESULT	SUCCESS FAILURE	· · · · · · · · · · · · · · · · · · · 	RECOMMENDED LL	246
DATE REPAIR COMPLETED	MO DAY_	YR	Taville 1	1118/B\$
GROSS PRODUCTION DURIS	NG PAYOUT		fim (Attendor)	1/25/55
. OIL80 PD	, GAS MC PD	. '		
WATEREWPD	OTHER/DAY	,		- "
GROSS INJECTION			AUTHORIZED	MO. DAY YR
ESTIMATED FINAL GROSS	COST \$	·	N. J. Holcomb	0.112585
				

STATE OF NEW MEXICO ENERGY AND MINIERALS DEPARTMENT

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DISTRIBUTION		
BANTA FE	L	Ī
FILE		
U.S.G.S.		
LAND OFFICE	1	Γ
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MOITIONS OF APPROVAL, IF ANT:

OIL CONSERVATION DIVISION

DISTRIBUTION	P. O. BOX 2088	Form C-103 Revised 19-1-78
F1LE U.S.G.S.	SANTA FE, NEW MEXICO 87501	Sa. Indicate Type of Lease State Fee K
OPERATOR OPERATOR		S. State Oil & Gas Lease No.
	FICES AND REPORTS ON WELLS	
I. OIL CAB X OTHER	£9	7. Unit Agreement None
2. Name of Operator Amoco Production Co.		8. Form or Lease trame Gerk Gas Com D
3. Address of Operator 501 Airport Drive, F	Farmington, N M 87401	9. Well No.
4, Location of Well Unit Letter C 700	PEET FROM THE NORTH LINE AND 920	Aztec Pictured Cliff
	30 29N 9 W	
	15. Elevation (Show whether DF, RT, GR, etc.) 5581!GR	12. County San Juan
Check Appropriate OF INTENTI	riate Box To Indicate Nature of Notice, Report	or Other Data
SULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT OF REPAIR	ALTERING CASING PLUC AND ABANDONMENT
QTHER	OTHER REPAIL	Sundry
Describe Proposed or Completed Operations	(Clearly state all persinent details, and give persinent dates, in	cluding estimated date of starting any proposed
well is 2080' and pl cu. ft. Class B Neat	up service unit on 3/8/85. Total lugback depth is 2023'. Squeezed . Pressure tested production ca 3'-1988' with 45,000 gal 70 qual	d casing at 735' with 59 asing to 1500 psi.
Released the rig on	3/20/85.	, we carry
		MEGEERE) APR 18 1985
		OIL CON. DIV.
		•
s: hereby centry that the information obove is to	rue and complete to the best of mir knowledge and belief.	4/15/85
Original Signed by CHARLES CHOLS	DEPUTY OF THE PROPERTY OF THE	4PR 1 8 7005

1-	· State o	t New Mexic	00		Form C-103	, 7
Submit 3 Copies to Appropriate District Office	Energy, Minerals and	Natural Reso	ources Department		Revised 1-1	-89
DISTRICT I P.O. Box 1980, Hobbs, NM 8824	OIL CONSER	VATION D.Box 2088	DIVISION	WELL API NO.		
DISTRICT II P.O. Drawer DD, Artesia, NM 8	Santa Fe. Nev		504-2088	f	0452068500	
	5210			5. Indicate Type of	STATE	FEE 🛛
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM	87410		(6. State Oil & Gas I	Lease No.	
1	NOTICES AND REPOR					
1.	OR PROPOSALS TO DRILL (RESERVOIR. USE "APPLICA DRM C-101) FOR SUCH PRO	ATION FOR PE		7. Lease Name or U		ne
1. Type of Well:	· · · · · · · · · · · · · · · · · · ·	JFUSALS.I		Ge	rk Gas Com D	i
	LL X OTHER					
2. Name of Operator Amoco Production Company		ention: Gail M. Jeff	erson, Rm 1942	8. Well No.	1	
3. Address of Operator			(303) 830-6157	9. Pool name or Wi	ldcat	
P.O. Box 800 Denver 4. Well Location	Colorado	80201	,,	Azte	Pictured Cliffs	
Unit Letter C :	700 Feet From The	North	Line and 92	Peet From T	he West	Line
Section 30	Township	29N R	inge 9W N	тмрм 5	San Juan	County
20000			er DF, RKB, RT, GR, etc.)	448		County
11. Checl	- 1	To dia - 4 - 31	Y-ACDY (*	0.1	D	
Chica	k Appropriate Box to FINTENTION TO:	indicate N	•	port, or Other BSEQUENT REP		
		ON X		r—		Γ-
PERFORM REMEDIAL WORK	PLUG AND ABAND		REMEDIAL WORK		TERING CASING	<u></u>
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DRILLING		UG AND ABAND	ONMENT L
PULL OR ALTER CASING	L_I	۲	CASING TEST AND CEN	MENT JOB		
OTHER:			OTHER:			L
12. Describe Proposed or Complete work) SEE RULE 1103.	ed Operations (Clearly state al.	l pertinent detal	ls, and give pertinent dates, i	ncluding estimated da	le of starting any pr	oposed
Amoco Production Comp	any requests permission	to plug and a	abandon the above refe	renced well per th	ne attached proc	edures.
					•	٠.
If you have any technical	questions, please contac	t Mike Kuta	s at (303) 830-5159 or	myself for any a	dministrative qu	estions.
				UE	in pana	
					WEITY,	
				ווט	MAY - 5 1991	, Ü
				⊘Dn.	(30 co	,
				OUL	CON. D Dist. 3	IV.
I hereby certify that the informati	on above is true and complete t	o the best of m	y knowledge and belief.			
SIGNATURE LAULU	1. Jefferson		Sr. Admin. S	taff Asst.	DATE 05-04-	1995
	Gail M. Jefferson, Rm 19	42		TE	LEPHONE NO. (303)	830-6157
(This space for State Use)						
	0.1		DEBUTY OF A		MAY	- 5 109
APPROVED BY Johnson	* Robinson	1	TILE DEPUTY OIL & GAS I	NSPECTOR, DIST.	MAI MAI	7 (3)
	• •					
Netity intime to	witness					

Gerk Gas Com D #1
Orig. Comp. 9/70
TD = 2080', PBTD = 2023'
Page 2 of 2

- 1. Check location for anchors. Install if necessary. Test anchors.
- 2. MIRUSU. Blow down well. Kill if necessary with fresh water. NDWH NUBOP. Caution: This well has H2S.
- 3. Squeeze perfs at 1963' to 1988 through model D packer at 1952 with 19 cuft cement. Pull up and place cement plug to 1500' with 46 cuft cement.
- 4. Pull up hole and spot cement plug from 1000' to surface with 92 cuft cement.
- 5. NDBOP. Cut off casing and wellhead. Install PXA marker according to BLM or State requirements.
- 6. Turn over to John Schwartz for reclamation.
- 7. Rehabilitate location according to BLM or State requirements.

	Amoco Production Company	File	
 	ENGIVEERING CHART	Anna	
SUBJECT	GREAK GCD 1	Date 3-14-9	 র্
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		by	
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	MODEL	D PKR CHSS	PRS TST
	CASing	+0 1300-1600 psi	- Results
		SQZ OT TON O	1
		Hole @ 735	502 . /
	3/85 - FOUND	Class B CMT F	SUE W
	- ortout	FRES TEST TO 1500	
	1952' 4.7" JSS 70 M#	c wan 45mg D 70	+ MP 9C
	1952 4.7 TSS 70 M	* 20-40 60	
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PER	MODEL D PER BACKS	2 18" TBY SET IN	, ,
	JA 1952-55		
1963	-73		:
	-73 6 -88 6		į
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	4/2 csn 2059		
	PBD = 2023' 9.5 # K55	•	
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Submit-3 Copies to Appropriate District Office

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103

DISTRICT

CONDITIONS OF AFFROVAL, IF ANY:

OIL CONSERVATION DIVISION

Revised 1-1-89

P.O. Box 1980, Hobbs, NM 88240 P.O. Box 2088 DISTRICT II P.O. Drawer DD, Artesia, NM 88210 Santa Fe, New Mexico 87504-2088		WELL API NO. 300452068500		
		5. Indicate Type of Lease STATE FEE X		
DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410	6. State Oil & Gas Lease No.			
SUNDRY NOTICES AND REPORTS O (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO D DIFFERENT RESERVOIR. USE "APPLICATION (FORM C-101) FOR SUCH PROPOSAL	DEEPEN OR PLUG BACK TO A FOR PERMIT	7. Lease Name or Unit Agreement Name		
1. Type of Well: OIL GAS WELL X OTHER		Gerk Gas Com D		
2. Name of Operator Among Production Company Cail M. I.	ff P- 120FG	8. Well No. #1		
Amoco Production Company Gail M. Je 3. Address of Operator	efferson, Rm 1295C	9. Pool name or Wildcat		
P. O. Box 800, Denver, Colo. 80201	(303) 830-6157	Aztec Pictured Cliffs		
4. Well Location Unit Letter C: 700 Feet From The North Section 30 Township 29N	0.5	O Feet From The West Line NMPM San Juan County		
	whether DF, RKB, RT, GR, etc.)			
11. Check Appropriate Box to Inc	licate Nature of Notice, R	eport, or Other Data		
NOTICE OF INTENTION TO:	SUB	SEQUENT REPORT OF:		
PERFORM REMEDIAL WORKPLUG-AND ABANDON	REMEDIAL WORK	ALTERING CASING		
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMEN				
PULL OR ALTER CASING	EMENT JOB			
OTHER:	OTHER:			
12. Describe Proposed or Completed Operations (Clearly state all pertinent a work) SEE RULE 1103.	details, and give pertinent dates, inclu	ding estimated date of starting any proposed		
MIRUSU 2/9/96. Pulled 62 joints of 1.25"	tbg.			
Squeezed perfs from 1782'-1988' with 75 s SD WOC. TIH tag TOC at 1782'. Load and profiled ok.	exs Class B neat. Avg ressure test product:	g rate 1.5 bpm, max rate 2.0 bpm. ion casing to 750# for 15 mins.		
Cemented inside production casing from 15 max rate 2.0 bpm. Cemented from 0-1000' rate 1.5 bpm, max rate 2.0 bpm.	500'-1782' with 20 so inside production ca	As Class B. Average rate 1.5 bpm, asing with 62 sxs Class B. Avg		
Cut off well head, install marker. RDMOSU 2/12/96.				
Thereby small by the fellows the short to be a set of the state of the	John on Abalia?	OUL COM DAY		
I hereby certify that the information above in true and complete to the best of my known stonature.	Sr. Admin. St	taff Asst. Bars 2/26/96		
TYPE OR PRINT NAME	1111.6			
	1,	ТЕГЕРНОМЕ НО.		
(This space for State title)		Puty 2000		
APPROVED BY Which Ut Afrik	- me Cals LPS Decto	Br 1-24-46		