

November 1987
Form 10-10-1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Expires August 31, 1988

LEASE DESIGNATION AND SERIAL NO.

USA NM 33565

IF INDIAN ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Rio Puerco Federal

WELL NO.

1-7

FIELD AND POOL, OR WILDCAT

Wildcat

SEC. T., R., M., OR BLK. AND
SURVEY OR AREA

NW/NE/SE Sec. 7
T12N R2W NMPM

COUNTY OR PARISH

Sandoval

STATE
New Mexico

OIL WELL ☒ GAS WELL ☐ OTHER ☐ Drilling

NAME OF OPERATOR

Austra-Tex Oil Company

ADDRESS OF OPERATOR

909 N.E. Loop 410, Suite 600, San Antonio, Tx 78209

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2310' FSL and 890' FEL

PERMIT NO.

ELEVATIONS (Show whether DF, RT, GR, etc.)

5956' GR

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) Weekly Progress Report

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

ATTACHED PLEASE FIND THE DAILY DRILLING REPORTS COVERING THE
PERIOD 9/24/87 to 10/05/87.

RECEIVED

OCT 26 1987

OIL CON. DIV.
DIST. 3

I hereby certify that the foregoing is true and correct

SIGNED

TITLE V. Pres-Engineering

DATE 10/05/87

(This space for Federal or State office use)

APPROVED BY

TITLE

APPROVED BY
DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NMCCS

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

AUSTRA- X OIL COMPANY: DAILY MINING REPORT

DATE: 9/24/87	REPORT No.: 7	REPORT BY: RWA	D.S.G.: 5	WELL: RioPuerco 7-1	AFED:
COUNTY: Sandoval	STATE/COUNTRY: New Mexico			ONSHORE: ☒ OFFSHORE: ☐	
DEPTH: 2955	PROGRESS: 300	RKB-WL: 7.9	FORMATION: Sandstone	STATUS: Drilling	
CONTRACTOR: United Drilling		RIG: #4	TYPE:		

PUMP DATA:	MAKE:	MODEL:	LINER:	STROKE:	OUTPUT:
No. 1	Nat	250	5 1/2	15	4.75
No. 2	Nat	250	5 1/2	15	4.75

BHA:	BHA:	STRING:	STRING:	STRING:
LENGTH:	WEIGHT:	ROTATE WT:	P/U WT:	S/O WT:
591	58	85	87	83

BHA DESCRIPTION:	4 1/2" Bit
	Shock Sub
	2 3/4" Drill Collar

MUD RECORD:	TYPE: Low solids New Drill	WT: 8.7	VIS: 36	PV: 5	YP: 7	ML: 6.6
GELS: 2 1/10	CAKE: 1	CHL: 450	Ca: 40	pH: 8.5	Pa: .15	Pf: .06
				OIL: 0	SD: Tr	SLB: 25

BIT RECORD:	BIT #:	SIZE:	SERIAL #:	TYPE:	WFB:	JETS:	IN:	OUT:	FOOTAGE:	HRS RUN:	CUM HRS:	CONDITION:
	2	7 1/8	NH056	AD11	HTC	3-13	545	2804	2259	63 1/2	81	TR-BR-I
	3	7 1/8	NH957	AT22	HTC	3-13	2804		151	9 1/2	90 1/2	SEO

BIT HYDRAULICS:	SPH:	GPH:	PUMP PSI:	AV DC:	AV DP:	CRT AV:	BIT PRESS. LOSS:	HWP:	IF:	NOZZLE VEL:	HWP/SDIM:
	56	266	750	284	142	222	375	58	263	219	1.19

DRILLING DATA:	WEIGHT ON BIT:	15-18	ROTARY:	70	SURVEY DATA:	DEPTH:	ANGLE:	DEPTH:	ANGLE:	DEPTH:	ANGLE:
						2790	3 1/4				

FROM:	TO:	HRS:	DAILY OPERATIONS REPORT:
0700	0730	1/2	Service Rig
0730	1200	4 1/2	Drilling from 2655' to 2804'
1200	1230	1/2	Circ. & condition. Drop trace. Pullout of hole
1230	1630	4	Finish pulling out of hole. Hole tight from TD to surface casing. 10-15 overpull.
1630	2030	4	Make up Bit #3. RTH with same.
2030	2130	1	Drilling from 2804' to 2830'.
2130	2230	1	Circ. & Survey @ 2790'.
2230	0700	8 1/2	Drilling from 2830' to 2955'.
			Attempting to free balled bit.
			Formation Tops:
			Aqua ZARCA - 2939'
			2941 - 22 units of gas. 2944 - 4 units of gas

MUD LOGGERS REPORT:	
CONNECTION GAS:	0
BACKGROUND GAS:	2-3
TRIP GAS:	18
DRLS BREAKS:	2940-2955
	2940-2 units of gas

WELL CONTROL DATA:	PUMP No. 1	PUMP No. 2
STROKES/MINUTE:		
PUMP PRESSURE:		
DEPTH:		

DAILY WELL COST:	8,689
PER WELL COST:	118,000

LAST CASING DATA:				
SIZE:	WT/FT:	GRADE:	CSS SEAT:	SHOE TEST:
9 5/8	36	K-55	545	

DATE: 9/25/87	REPORT No.: 8	REPORT BY: RWA	D.S.S.: 6	WELL: RioPuerco 7-1	AFE#:
COUNTY: Sandoval	STATE/COUNTRY: New Mexico			ONSHORE: ☒	OFFSHORE: ☐
DEPTH: 3276	PROGRESS: 321	RKB-M: 7.9	FORMATION: Shale	STATUS: Drilling	
CONTRACTOR: United Drilling			RIG: #4	TYPE:	

BHA:	BHA:	STRING:	STRING:	STRING:
LENGTH:	WEIGHT:	ROTATE WT:	P/U WT:	S/O WT:
591	BB	96	98	94

Same as 9/24

[illegible]

DRILLING DATA:	WEIGHT ON BIT:	25	ROTARY:	80
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SURVEY DATA:	DEPTH:	ANGLE:	DEPTH:	ANGLE:	DEPTH:	ANGLE:
	3045	3 1/2°				

[illegible]

WELL CONTROL DATA:	PUMP No. 1	PUMP No. 2
STROKES/MINUTE:		
PUMP PRESSURE:		
DEPTH:		

LAST CABING DATA:				
SIZE:	WT/FT:	GRADE:	CSG SEAT:	SHOE TEST:
9 5/8	36	K-55	545	

DATE: 9/26/87	REPORT No.: 9	REPORT BY: RWA	D.S.S.: 7	WELL: Rio Puerco 7-1	AFE#:
COUNTY: Sandoval	STATE/COUNTRY: New Mexico			ONSHORE: ☒ OFFSHORE: ☐	
DEPTH: 3500	PROGRESS: 224	RKB-WL: 7.9	FORMATION: Shale & SS	STATUS: Drilling	
CONTRACTOR: United Drilling		RIG: #4		TYPE:	

BHA:	BHA:	STRING:	STRING:	STRING:
LENGTH:	WEIGHT:	ROTATE WT:	P/U WT:	S/O WT:
608	57	102	104	98

2 7/8" Bit, 3 sub, 2-6 1/4" drillcollars,
stabilizer, 18-6 1/4" drillcollars

DIT RECORD:	DIT #:	SIZE:	SERIAL #:	TYPE:	NFB:	JETS:	IN:	OUT:	FOOTAGE:	HRS RUN:	CUM HRS:	CONDITION:
	3	7 $\frac{7}{8}$	NH957	ATJ22	HTC	3-13	2804	3284	480	33 $\frac{1}{2}$	114 $\frac{1}{2}$	T1-B1-I
	4	7 $\frac{7}{8}$	RR2	ATJ11	HTC	3-12	3284		216	16	130 $\frac{1}{2}$	

DRILLING DATA:	WEIGHT ON BIT:	25-27	ROTARY:	80
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SURVEY DATA:	DEPTH:	ANGLE:	DEPTH:	ANGLE:	DEPTH:	ANGLE:
	3276	2 1/4°				

MUD LOGGERS REPORT:	
CONNECTION GAS:	0
BACKGROUND GAS:	2-3
TRIP GAS:	250
DRUG BREAKS:	

DAILY WELL COST:	6.037
DAILY WELL COST:	12.074

LAST CASINO DATA:				
SIZE:	WT/FT:	GRADE:	CSS SEAT:	SHOE TEST:
9 5/8	36	K-55	545	

DATE: 9/27/87	REPORT No.: 10	REPORT BY: RWA	D.S.S.: 8	WELL: RioAguero 7-1	AFED:
COUNTY: Sandoval	STATE/COUNTRY: New Mexico			ONSHORE: ☒ OFFSHORE: ☐	
DEPTH: 3696	PROGRESS: 196	RKB-WL: 7.9	FORMATION: Shale & Siltstone	STATUS: Drilling	
CONTRACTOR: United Drilling			RIG: #4	TYPE:	

BHA:	BHA:	STRING:	STRING:	STRING:
LENGTH:	WEIGHT:	ROTATE WT:	P/U WT:	S/D WT:
608	57	102	104	98

SAME AS 9126187

SURVEY DATA:	DEPTH:	ANGLE:	DEPTH:	ANGLE:	DEPTH:	ANGLE:
	3577	1 1/2°				

LAST CASING DATA:				
SIZE:	WT/FT:	GRADE:	CSS SEAT:	SHOE TEST:
9 5/8	36	K-55	545	

DATE: 9/28/87	REPORT No.: 11	REPORT BY: RWA	D.S.S.: 9	WELL: Rio Puerco 7-1	AFES:
COUNTY: Sandoval	STATE/COUNTRY: New Mexico			ONSHORE: ☒ OFFSHORE: ☐	
DEPTH: 4.235	PROGRESS: 539	RKB-WL: 7.9	FORMATION: S. Hs bore Sandstone, sh	STATUS: Drilling	
CONTRACTOR: United Drilling		RIO: #4	TYPE:		

DMA:	DMA:	STRING:	STRING:	STRING:
LENGTH:	WEIGHT:	ROTATE WT:	P/U WT:	S/O WT:
608	57	113	112	110

same as 9/26/87

SURVEY DATA:	DEPTH:	ANGLE:	DEPTH:	ANGLE:	DEPTH:	ANGLE:
	4200	34°				

LAST CASINO DATA:				
SIZE:	WT/FT:	GRADE:	CSS SEAT:	SHOE TEST:
9 5/8	36	k-55	545	

DATE: 9/29/87	REPORT No.: 12	REPORT BY: RWA	D.S.S.: 10	WELL: Rio Puerco 7-1	AFED:
COUNTY: Sandoval	STATE/COUNTRY: New Mexico			ONSHORE: ☒ OFFSHORE: ☐	
DEPTH: 4510	PROGRESS: 275	RKB-ML: 7.9	FORMATION: Sand Siltstone, Shale	STATUS: Drilling	
CONTRACTOR: United Drilling		RIG: #4		TYPE:	

BHA:	BHA:	STRING:	STRING:	STRING:
LENGTH:	WEIGHT:	ROTATE WT:	P/U WT:	S/O WT:
608	57	113	112	110

MUD RECORD:		TYPE: Low Solids - Newdrill				WT: 9.0	VIS: 36	PV: 7	YP: 6	WL: 112
GELS: 5'26	CAKE: 2	CHL: 450	Ca: 440	pH: 8.0	Pa: .05	Pf: .01	OIL: 0	SD: 14	SLD: 2.5	

BIT HYDRAULICS:	SPH:	GPH:	PUMP PSI:	AV DC:	AV DP:	CRT AV:	BIT PRESS. LOSS:	HWP:	IF:	NOZZLE VEL:	HWP/SGIN:
	56	266	1350	284	142	217	534	83	319	258	1.7

[illegible]

WELL CONTROL DATA:	PUMP No. 1	PUMP No. 2
STROKES/MINUTE:		
PUMP PRESSURE:		
DEPTH:		

LAST CASING DATA:				
SIZE:	WT/FT:	GRADE:	CSS SEAT:	SHOE TEST:
9 5/8	36	K-55	545	

DATE: 9/30/87	REPORT No.: 13	REPORT BY: RWA	D.S.S.: 11	WELL: Rio Puerco 7-1	AFED:
COUNTY: Sandoval	STATE/COUNTRY: New Mexico			ONSHORE: ☒ OFFSHORE: ☐	
DEPTH: 4670	PROGRESS: 160	RKB-ML: 7.9	FORMATION: Sandstone, Silty shale	STATUS: Drilling	
CONTRACTOR: United Drilling		RIO: #4	TYPE:		

BHA:	BHA:	STRING:	STRING:	STRING:
LENGTH:	WEIGHT:	ROTATE WT:	P/U WT:	S/O WT:
608	57	114	113	111

DNA DESCRIPTION:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
	SAME AS 9/26/87																																																																																																			

MUD RECORD:	TYPE: Low Solids Newdrill		WT: 9.0	VIS: 38	PV: 9	YP: 8	ML: 10
GELS: 3 (32)	CAKE: 2	CHL: 360	Ca: 450	pH: 8	Pn: .05	Pf: .01	OIL: 0
							SD: 1/4
							SLD: 25

BIT HYDRAULICS:	SPR:	GPM:	PUMP PSI:	AV BC:	AV DP:	CRT AV:	BIT PRESS. LOSS:	HWP:	IF:	NOZZLE VEL:	HWP/SQIN:
	56	266	1350	284	142	264	388	60	272	219	1.23

DRILLING DATA:	WEIGHT ON BIT:	30	ROTARY:	75
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SURVEY DATA:	DEPTH:	ANGLE:	DEPTH:	ANGLE:	DEPTH:	ANGLE:
	4580	3/4°				

[illegible]

MUD LOGGERS REPORT:	
CONNECTION GAS:	0
BACKGROUND GAS:	24
TRIP GAS:	0
DRLG BREAKS:	

WELL CONTROL DATA:	PUMP No. 1	PUMP No. 2
STROKES/MINUTE:		
PUMP PRESSURE:		
DEPTH:		

DAILY WELL COST:	9.873
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LAST CASING DATA:				
SIZE:	WT/FT:	GRADE:	CSS SEAT:	SHOE TEST:
9 5/8	36	K-55	545	

LAST CABING DATA:				
SIZE:	WT/FT:	GRADE:	CSS SEAT:	SHOE TEST:
9 5/8	36	K-55	545	

DATE: 10/2/87	REPORT No.: 15	REPORT BY: RWA	D.D.D.: 13	WELL: R.D. Puerto 7-1	APPRO:
COUNTRY: Sandoval	STATE/COUNTRY: New Mexico			ONSHORE: ☒	OFFSHORE: ☐
DEPTH: 5252	PROGRESS: 322	RKB-ML: 7.9	FORMATION: Limestone Siltstone, shale	STATUS: Drilling	
CONTRACTOR: United Drilling			RIG: #4	TYPE:	

DMA:	DMA:	STRING:	STRING:	STRING:
LENGTH:	WEIGHT:	ROTATE WT:	P/U WT:	S/O WT:
608	57	117	116	114

SAME AS 9/26/87

[illegible]

DRILLING DATA:	WEIGHT ON BIT:	43	ROTARY:	65
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SURVEY DATA:	DEPTH:	ANGLE:	DEPTH:	ANGLE:	DEPTH:	ANGLE:

MUD LOGGERS REPORT:	
CONNECTION GAS:	0
BACKGROUND GAS:	4-6
TRIP GAS:	0
DRUG BREAKS:	

DAILY WELL COST:	6,579
PER WELL COST:	171,200

LAST CABING DATA:				
SIZE:	WT/FT:	GRADE:	CSS SEAT:	SHOE TEST:
9 5/8	36	K-55	545	

DATE: 10/3/87	REPORT No.: 16	REPORT BY: RWA	D.S.S.: 14	WELL: Rio Puerco 7-1	AFED:
COUNTY: Sandoval	STATE/COUNTRY: New Mexico			ONSHORE: ☒	OFFSHORE: ☐
DEPTH: 5592	PROGRESS: 340	RKB-WL: 7.9	FORMATION: Siltstone Limestone	STATUS: Drilling	
CONTRACTOR: United Drilling		RIG: #4	Shale	TYPE:	

BHA:	BHA:	STRING:	STRING:	STRING:
LENGTH:	WEIGHT:	ROTATE WT:	P/U WT:	S/O WT:
608	57	119	118	116

Same as 9/26/87

SURVEY DATA:	DEPTH:	ANGLE:	DEPTH:	ANGLE:	DEPTH:	ANGLE:
	5275	1°				

LAST CASING DATA:				
SIZE:	WT/FT:	GRADE:	CSS SEAT:	SHOE TEST:
9 5/8	36	k-55	545	

DATE: 10/4/87	REPORT No.: 17	REPORT BY: RWA	D.S.S.: 15	WELL: Rio Puerco 7-1	AFED:
COUNTY: Sandoval	STATE/COUNTRY: New Mexico			ONSHORE: ☒ OFFSHORE: ☐	
DEPTH: 5732	PROGRESS: 140	RKB-ML: 7.9	FORMATION: ^{Shale} Limestone	STATUS: Drilling	
CONTRACTOR: United Drilling		RTG: #4		TYPE:	

BHA:	BHA:	STRING:	STRING:	STRING:
LENGTH:	WEIGHT:	ROTATE WT:	P/U WT:	S/O WT:
608	57	119	118	116

SAME AS 9/26/87

DIT RECORD:	DIT #:	SIZE:	SERIAL #:	TYPE:	NFB:	JETS:	IN:	OUT:	FOOTAGE:	HRS RUN:	CUM HRS:	CONDITION:
	6	7 7/8	Y30805	H33T	Reed	3-13	4610	5719	1109	88.5	321/4	T2-B1-I
	7	7 7/8	EF114	J33H	HTC	3-11	57A		13	1	322 1/4	

DRILLING DATA:	WEIGHT ON BIT:	35-45	ROTARY:	60-65
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SURVEY DATA:	DEPTH:	ANGLE:	DEPTH:	ANGLE:	DEPTH:	ANGLE:

[illegible]

WELL CONTROL DATA:	PUMP No. 1	PUMP No. 2
STROKES/MINUTE:		
PUMP PRESSURE:		
DEPTH:		

LAST CASING DATA:				
SIZE:	WT/FT:	GRADE:	CSS SEAT:	SHOE TEST:
9 5/8	36	K-55	545	

DATE: 10/5/87										REPORT No.: 18		REPORT BY: RWA		D.D.D.: 16		WELL: R. & P. 7-1		AFSU:	
COUNTY: Sandoval				STATE/COUNTRY: New Mexico						ONSHORE: ☒ OFFSHORE: ☐									
DEPTH: 5990		PROGRESS: 258		RKB-M: 7.9		FORMATION: Limestone ^{State}				STATUS: Drilling									
CONTRACTOR: United Drilling						RIG: #4				TYPE:									

BHA:	BHA:	STRING:	STRING:	STRING:
LENGTH:	WEIGHT:	ROTATE WT:	P/U WT:	S/O WT:
608	57	119	118	116

SAME AS 9/26/87

[illegible]

DRILLING DATA:	WEIGHT ON BIT:	45	ROTARY:	60-65
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SURVEY DATA:	DEPTH:	ANGLE:	DEPTH:	ANGLE:	DEPTH:	ANGLE:

DAILY OPERATIONS REPORT:

WELL CONTROL DATA:	PUMP No. 1	PUMP No. 2
STROKES/MINUTE:		
PUMP PRESSURE:		
DEPTH:		

DAILY WELL COST:	6.068
FLUM WELL COST:	4.05 12.1

LAST CASTING DATA:				
SIZE:	WT/FT:	GRADE:	CSG SEAT:	SHOE TEST:
9 5/8	36	k-55	545	