N.A.	Oil Cons. Division ED 1st Street MB NO. 1004-0137 Expires: February 28, 199
SUBMIT IN DUPLICATE	OMB NO. 1004-0137
(See other instrigant 1 S.	1st Street Expires: February 28, 199
	ALL COOL OF BREAKING

DEPARTMENT OF THE INTERIOR  DEPARTMENT OF THE INTERIOR  DEPARTMENT OF THE INTERIOR  DEPARTMENT OF THE INTERIOR  WELL COMPLETION OF RECOMMENT  WELL WILL ON		1	UNITED STA	TES		SUBM	IT IN DUF	nstr <b>Qo# 1</b>	S 1s	t Stre	et MB NO.	1004-0137	5/.	Jonagi
WELL COMPLETION OR RECOMPLETION REPORT AND LOG   WALL	Form 3160-4	TO DESCRIPTION OF THE INTERIOR							TO IV					
WELL COMPLETION OR RECOMPLETION REPORT AND TUGS   F ADMAN ALCOTTER OR INDER PROPERTY OF THE	( luby 1992)		TOFIANDM	ANAGEME				Arte	SIA, LE	XHADBOG	NM-046	37934	$\overline{}$	Ant
1.   PAPE OF WORLE	(July 1992)	BUREA	Of Labor		SEDOP*	F AND LO	)G *				LOTTEE OR	TRIBE NAME	Ξ	1110
1.   PAPE OF WORLE		IN ETION	OR RECON	MPLETION	REPUR	AITO			6. IF	INDIAN. AL	LOTTEL			<u> </u>
### WELL   WELL	WELL COM	APLETION	GAS						_	0055	MENT NAM			V
2 NAME OF C   AROC (Texas) Inc.	1a TYPE OF WELL	[37]	F-1	DRY	OTHER				7. U	INIT AGREE	ravhurd	Jackson	PSU	
2 NAME OF C   AROC (Texas) Inc.		WELL [7]	,,,,,,,			165	728-	$\sigma_{z,j}$	<u> </u>		CASE NAME	WELL NO.		
2 NAME OF C   AROC (Texas) Inc.	h TYPE OF COMPLETION		PLUG	DIFF	_	OF THE PARTY.		· ·	\8. F	ARM OR L	EASE IV	No. 12		
2 NAME OF C   AROC (Texas) Inc.	WORK		· · · ·	7		Olympy —		F				140. 12		
3. AUDICESS AV ACROSC (TOKAS) INC.  3. AUDICESS AV TUISIA, OK 74135  4. LOCATIONO A SURVEY  3. AUDICESS AV TUISIA, OK 74135  3. AUDI	[ <del>[]</del> ]					/ <b>?</b> V	Šir d	1	9.	API WELL	10.	45 3034	2	
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15 DATE SPUCCED   16 DATE TO REACHED   17 DATE COMP   18 ELEVATION DE RIKE, RT GR. ETCT   19 ELEVATORIO F. RIKE, RT GR.	330' FNL	\$ 330. EAA	L, Ollic D							12 COUNT	Y OR PARIS	H 13. S	STATE	
15. DATE SPUDGED 07726/00 17. DATE COMP (Ready) 16 POOL 19. ELEVATION IDF, RYEB, RT GR, ETC) 19. ELEVATION DF, RYEB, RT GR,	At top prod, interval reported	below			14 PER	MIT NO.	DATE	ISSUED	l		になると	ı		
15. DATE SPUDGED					1				DE PKB R	T, GR, ETC	7)	9. ELEV. CA	SINGH	IEAD
15. DATE SPUDCED	At total depth			T - CATE COI	MP (Re	ady to Prod.)	18. E	LEVATION	3622	•				ARI F TOOLS
15. DATE SPICIOLO   07/28/100   21. PLUBBACK TO. MO & TVD   22. F. MULTIPLE COMP. HOW MANY.   23. F. MULTIPLE COMP. HOW MANY.   23. F. MULTIPLE COMP. HOW MANY.   23. F. MULTIPLE COMP. HOW MANY.   24. PRODUCTION INTERVAL (S), OF THIS COMPLETION. TOP, BOTTOM, NAME (MD AND TVD')   25. WAS DIRECTED AND INTERVAL (S), OF THIS COMPLETION. TOP, BOTTOM, NAME (MD AND TVD')   27. WAS WELL CORED NO.   28. CASING SIZEGRADE   WEIGHT LIBIT   DEPTH SET MID!   HOLE SIZE   TOP OF CEMENTING RECORD   AMOUNT PULLED NO.   28. STORY   24. SORY   2		16. DATE	TD REACHED	1	08/16/0	0 _		NITEDVA			ROTARY T	ools	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
20 TOTAL DEPTH, MD & TVD   32.50   3	15. DATE SPUDGED	<u> </u>	7/26/00		22, IF MUL	TIPLE COMP	.  2:	ORILLE	D BY	l			1	
24. PRODUCING INTERVAL (S), OF THIS COMPLETION. TOP, BOTTOM, NAME (MD AND TVDT)   Yes   2990" - 3197" (Premier Sand)   77. WAS WELL CORED   77. WAS WELL C	UTIZ TIOS	21. P	LUGBACK TD, MI	) & (VD	HOWN	ANY*	1		<b></b>		all	2VEY N	AADE	
24. PRODUCTION ECORD 24. PRODUCTION FINE COMPLETION. TOP, BOTTOM, NAME, (RUDANO 16.7) 25. TYPE ELECTRIC AND OTHER LOGS RUN 26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED NO 28. TYPE ELECTRIC AND OTHER LOGS RUN 28. CASING SIZEJORADE 28. CASING SIZEJORADE 29. WEIGHT LEFT 29. LINER RECORD 29. 12.14" 29. LINER RECORD 29. 11.5.5 # 35.00" 21. 17.18" 20. SIZE 29. TOP (MID 20. SIZE 29. TOP (MID 20. SIZE			2250'		\					25. WAS	DIRECHOIM	AL SURVEY !!		
2990 - 3197 (Premier Sarch)   28   1797 (Premier Sarch)   29   1797 (Premier Sarch)   24#   508'   121/4"   400 sx - circulated   100 none	3500'		3230 - TOP	BOTTOM, NAM	IE (MD AND	TVD*)					Yes			
2990 - 3197 (Premier Sarch)   28   1797 (Premier Sarch)   29   1797 (Premier Sarch)   24#   508'   121/4"   400 sx - circulated   100 none	24 PRODUCING INTERVAL	S), OF THIS CO	MPLETION							27.				
### TYPE ELECTRIC AND OTHER CORD. CASING RECORD. (Report all strings set interty. CASING RECORD.)  ### TYPE ELECTRIC AND OTHER CORD.  ### TYPE ELECTRIC AND OTHER ELECTRIC AND OTHER CORD.  ### TYPE ELECTRIC AND OTHER CORD.  ### TYPE ELECTRIC AND OTHER ELECTRIC AND OTHER CORD.  ### TYPE ELECTRIC AND OTHER ELECTRIC AND OTHER CORD.  ### TYPE ELECTRIC AND OTHER ELECTRIC AND OTHER ELECTRIC AND OTHER CORD.  ### TYPE ELECTRIC AND OTHER ELECTRIC AND OT	. 04071/Dr	amier Sano	1)								N <sub>1</sub>	0		
ACASING SIZE/GRADE   WEIGHT LIBET   DEPTH SET (MD)   HOLE SIZE   107-07   SX - circulated   None   12 11/4"   400 SX - circulated   1075 SX - circulated   107	2990' - 3197 (1.1	HER LOGS RU	N CB	CBI -CCL			- ort 0	II etrinas	set in w	/ell)	7500	- T	AN	MOUNT PULLED
28	CR-DIL-MLL, G	R-CDL-CN	L-CAL, GR	CASIN	NG REC	ORD (Re	port a	TO	P OF CEME	NT, CEMEN	ITING RECU	1		none
24#   3508'   77/8'   1075 \$x - CITCUTATEU			ITICHT LB/FT	DEPTH SE	T (MD)	HOLL		1	400 ex -	circulat	ed	1		* *
29.   SIZE   TOP (MD   BOTTOM (MD)   SACKS CEMENT   SCREEN (MD)   SACKS CEMENT   SACKS CEMENT   SCREEN (MD)   SACKS CEMENT   SACK	CASING SIZE/GRADE			508'		12 1/4	,"		1075 sx	c- circula	ated	\		
10.5   1/2"   10.5	9.5/8"	24	4#			7 /18		1			TUB	ING RECO	RD	
1.0   1.0	5 1/2"	1				<u> </u>			30.	·	DEPTH	SET (MD)		PACKER SET (M
29   SIZE   TOP (MD   BOTTOM (MD)   SOURCE   SIZE   TOP (MD   BOTTOM (MD)   SIZE   TOP (MD   SIZE   TOP (MD   MD)   SIZE   TOP (MD)   SIZ			LINE	RECORD	SACKS	EMENT	SCRE	EN (MD)	·		320	0'	<del></del> +	
31. PERFORATION RECORD   (Interval, size, and number)   DEPTH INTERVAL (MO)   Acid W/4000 gals 15% NET L   2990', 91', 3000', 01', 24', 29', 30', 31', 35', 45', 57', 69', 86', 87', 88',     2990', 91', 3000', 01', 24', 29', 30', 31', 35', 45', 57', 69', 86', 87', 88',     38', 89', 3107', 12', 20', 29', 47', 71', 96', 97', 3275', 76', 89', 3303',     31'	29.	TOP (MD	BOTTO	M (MD)	GAUITE									TE ETC
31. PERFORATION RECORD   (Interval, size, and number)   DEPTH INTERVAL (MO)   Acid W/4000 gals 15% NET L   2990', 91', 3000', 01', 24', 29', 30', 31', 35', 45', 57', 69', 86', 87', 88',     2990', 91', 3000', 01', 24', 29', 30', 31', 35', 45', 57', 69', 86', 87', 88',     38', 89', 3107', 12', 20', 29', 47', 71', 96', 97', 3275', 76', 89', 3303',     31'	SIZE	101 (							215 646	T FRAC	TURE, CE	MENT, SQ	UEE	TERIAL USED
2990', 91', 3000', 01', 24', 29', 30', 31', 35', 45', 57', 69', 86', 87', 88', 2990 - 3300'  38', 89', 3107', 12', 20', 29', 47', 71', 96', 97', 3275', 76', 89', 3303', 12/20 w/43,900gal (20# Delta 14', 15', 16', 33', 50' (33 holes)  PRODUCTION  PRODUCTION  PRODUCTION  PRODUCTION  PRODUCTION  PRODUCTION  PRODUCTION  Producing  PRODUCTION  Producing  Og/01/00  Date First PRODUCTION  PRODUCTION  PRODUCTION  Producing  Og/01/00  Date Of First  HOURS TESTED  CHOKE SIZE  PRODUCTION  PRODUCTION  PRODUCTION  PRODUCTION  PRODUCTION  Ogli-BBL  GAS-MCF  WATER-BBL  OIL GRAVITY - API (CORR.)  36.5 °  36.5 °  36.5 °  NOV 27 2090  36. Thereby certify that theyforegoing and attactor information is complete and determined from all available records  Logs & Directional Survey  36. Thereby certify that theyforegoing and attactor information is complete and determined from all available records  SIGNED  **(See Instructions and Spaces for Additional Date on Reverse Side)  **(See Instructions and Spaces for Additional Date on Reverse Side)  **(See Instructions and Spaces for Additional Date on My false, fictitious or fraudulent statements							32.	A	INTERVAL	(MD)	AMOUN	T AND KIND	als 1	5% NEFE
2990', 91', 3000', 01', 24', 29', 30', 31', 35', 45', 57', 69', 86', 67', 60', 89', 303', 12', 20', 29', 47', 71', 96', 97', 3275', 76', 89', 3303', 12', 12', 20', 29', 47', 71', 96', 97', 3275', 76', 89', 3303', 12', 12', 20', 29', 47', 71', 96', 97', 3275', 76', 89', 3303', 12', 12', 20', 29', 47', 71', 96', 97', 3275', 76', 89', 3303', 12', 20', 29', 47', 71', 96', 97', 3275', 76', 89', 3303', 12', 20', 29', 47', 71', 96', 97', 3275', 76', 89', 3303', 12', 20', 20', 43', 90', 90', 90', 90', 90', 90', 90', 90		NRD (	Interval, size, and	number)				3000, -	3350'		Acid,	W/4000 9	,a.c	
2990', 91', 3000', 01', 24', 29', 30', 30', 30', 3275', 76', 89', 3303',  12/20 w/43,900gal (2U# Delta 18', 16', 33', 50' (33 holes)  PRODUCTION  133.*  DATE FIRST PRODUCTION  PRODUCTION METHOD  PUmping  O9/01/00  DATE OF TEST  HOURS TESTED  CHOKE SIZE  PRODN FOR OIL - BBL GAS - MCF WATER - BBL GAS-OIL RATIO  O9/06/00  PLOWING PRESSURE  CALCULATED  24 HOUR RATE  24 HOUR RATE  36.5  36.5  NOV 27 2000  36. LIST OF ATTACHNEENS  Sold to GPM (Duke Energy)  36. List of ATTACHNEENS  Logs & Directional Survey  16. Thereby certify that the foregoing and attacker information is complete and repress as determined from all available records  Logs & Directional Survey  (See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)	31. PERFORATION RECO			s' 45', 57', 6	39', 86', <sup>(</sup>	37', 88',		2550	-		Frac	w/800sx	16/3	0 sand & 20
PRODUCTION  14', 15', 16', 33', 50' (33 holes)  PRODUCTION  Producing  PRODUCTION  Producing  Producin	2000' 91', 3000',	01', 24', 29	y, 30°, 31°, 3°		-a. an'	3303'	1				12/2	0 w/43,90	)0ga	I (20# Delta
14', 15', 16', 33, 30 (COST)  PRODUCTION METHOD (Flowing, gas lift, pumping - size and type or now, producing)  Producing  GAS-MCF WATER - BBL GAS-MCF  OIL - BBL GAS - MCF WATER - BBL GAS-MCF  OSCIPLATION  OSCIPLATION  OSCIPLATION  OIL - BBL GAS - MCF WATER - BBL GAS - MCF WATER - BBL OIL GRAVITY - API (CORR.)  OSCIPLATION  OSCIPLATION  OSCIPLATION  OIL - BBL GAS - MCF WATER - BBL OIL GRAVITY - API (CORR.)  OIL - BBL GAS - MCF WATER - BBL OIL GRAVIT	2000,000	י 20' 29'	47', 71', 96',	97', 3275',	/6,09,	3000 (	1							
14', 15', 16', 33, 30 (COST)  PRODUCTION METHOD (Flowing, gas lift, pumping - size and type or now, producing)  Producing  GAS-MCF WATER - BBL GAS-MCF  OIL - BBL GAS - MCF WATER - BBL GAS-MCF  OSCIPLATION  OSCIPLATION  OSCIPLATION  OIL - BBL GAS - MCF WATER - BBL GAS - MCF WATER - BBL OIL GRAVITY - API (CORR.)  OSCIPLATION  OSCIPLATION  OSCIPLATION  OIL - BBL GAS - MCF WATER - BBL OIL GRAVITY - API (CORR.)  OIL - BBL GAS - MCF WATER - BBL OIL GRAVIT	88', 89', 3107', 14	5, 20, 20 ;	es)			PF	RODUC	TION	-4 2(220)		WELL STAT		lucing (	or Shut iii)
DATE FIRST PRODUCTION ME PRODUCTION ME Pumping 09/01/00  DATE OF TEST HOURS TESTED CHOKE SIZE PRODN FOR TEST PERIOD 35 20 108 571  TEST PERIOD 35 20 IORGANITY - API (CORR.)  OIL BBL GAS - MCF WATER - BBL OIL GRAVITY - API (CORR.)  A DISPOSITION OF GAS Sold, used for fuel, vented, etc.) Sold to GPM (Duke Energy)  36. LIST OF ATTACHINENT Logs & Directional Survey 10. Thereby certify that the foregoing and attacker information is complete and page as determined from all available records SIGNED  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)	14', 15', 16', 33',	50 (33 110)				wing, gas lift, p	umping -	size and type	e ot pump)				<del></del>	GAS-OIL RATIO
DATE FIRST  O9/01/00  DATE OF TEST  HOURS TESTED  CHOKE SIZE  PRODN FOR TEST PERIOD  35 20 108 571  TEST PERIOD  O9/06/00  24  FLOW TBG PRESS  CASING PRESSURE  CALCULATED  24 HOUR RATE  24 HOUR RATE  CALCULATED  ACCEPTED FOR RECORD  TEST WITNESSED BY Mr. Wade White  36. I DISPOSITION OF GAS  Sold to GPM (Duke Energy)  NOV 27 2000  35. LIST OF ATTACHNENTS  Logs & Directional Survey  16. I hereby certify that the foregoing and attacked information is complete and option as determined from all available records  SIGNED  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)	22 *		PRODU	CTION METHOD						MCF	WATE	R - BBL	1	•
109/06/00 24  FLOW TBG PRESS CASING PRESSURE CALCULATED 24-HOUR RATE 2	DATE FIRST PROBOS.		101		PROD'N		OIL -	BBL			400		1	571
99/06/00  ELOW TBG PRESS  CASING PRESSURE  24 HOUR RATE  24 HOUR RATE  CALCULATED  24 HOUR RATE  CALCULATED  24 HOUR RATE  CALCULATED  24 HOUR RATE  CALCULATED  C	DATE OF TEST	HOURS T	ESTED C	TORE OILL	TEST PE	RIOD	26	1	20			OIL GRAVITY	- API (	CORR.)
OBJORNO  TO STAT ACTION OF GAS  SIGNED  OIL BEL CALCULATED  24-HOUR RATE  OIL BEL CALCULATED  24-HOUR RATE  24-HOUR RATE  OIL BEL CALCULATED  24-HOUR RATE  24-HOUR RATE  24-HOUR RATE  A DISPOSITION OF GAS  Sold to GPM (Duke Energy)  Sold to GPM (Duke Energy)  NOV 27 2000  NOV 27 2000  TEST WITNESSED BY Mr. Wade White  FEST WITNESSED BY Mr. Wade White  A DISPOSITION OF GAS  SOLD TO STAT ACHIVENTS  Logs & Directional Survey  16-END MAN EMBOLITIES OF AREA OF LAND MAN EMBOLITIES OF FRAUDING OF FRA	DATE OF 120		1		\ <u></u>			GAS - MCF	1	NATER - BB	.			
24-HOUR RATE  34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  Sold to GPM (Duke Energy)  35. LIST OF ATTACHNENTS  Logs & Directional Survey  36. Thereby certify that the foregoing and attacked information is complete and parent as determined from all available records  36. Thereby certify that the foregoing and attacked information is complete and parent as determined from all available records  36. Thereby certify that the foregoing and attacked information is complete and parent as determined from all available records  36. Thereby certify that the foregoing and attacked information is complete and parent as determined from all available records  36. Thereby certify that the foregoing and attacked information is complete and parent as determined from all available records  36. Thereby certify that the foregoing and attacked information is complete and parent as determined from all available records  36. Thereby certify that the foregoing and attacked information is complete and parent as determined from all available records  36. Thereby certify that the foregoing and attacked information is complete and parent as determined from all available records  CERTIFICATION OF THE STATE AND ASSOCIATION OF THE STA	09/06/00	24	- FOSUPE C	ALCULATED	011	ACCE	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO	V- Warrang	1	en;	1	36.5	•	
34. DISPOSITION OF GAS  Sold to GPM (Duke Energy)  35. LIST OF ATTACHMENTS  Logs & Directional Survey  36. I hereby certify that the foregoing and attacked information is complete and parent as determined from all available records  SIGNED  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)	FLOW TBG PRESS	CASING	PRESSURE	4-HOUR RATE		PETE	W. C	CHEST		ļ	TOOSED BY			
34. DISPOSITION OF GAS Sold to GPM (Duke Energy)  35. LIST OF ATTACHNENTS Logs & Directional Survey  36. I hereby certify that the foregoing and attacked information is complete and parent as determined from all available records  36. I hereby certify that the foregoing and attacked information is complete and parent as determined from all available records  SIGNED  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  The second of the United States any false, fictitious or fraudulent statements	, 22		[				L			TEST WITH	Nade W	hite		
34. DISPOSITION OF GPM (Duke Energy)  35. LIST OF ATTACHNENTS  Logs & Directional Survey  Logs & Directional Survey  36. Thereby certify that the foregoing and attacked information is complete and parent as determined from all available records  SIGNED  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)  *(See Instructions and Spaces for Additional Date on Reverse Side)		l	(Sold used for fue	I, vented, etc.)	:					1011.	7744			
35. LIST OF ATTACHNENTS  Logs & Directional Survey  36. I hereby certify that the foregoing and attacked information is complete and the foregoing and attacked information is complete. The foregoing are complete and the foregoing and attacked information is complete and the foregoing and attacked information is complete and the foregoing a	34. DISPOSITION OF	GAS	e Energy)			NO	1 27	2000		<u>;</u>				
SIGNED  *(See Instructions and Spaces for Additional Date on States any false, fictitious or fraudulent statements  *(See Instructions and Spaces for Additional Date on States any false, fictitious or fraudulent statements  *(See Instructions and Spaces for Additional Date on States any false, fictitious or fraudulent statements	Sold to	GP341 (291)			Á				cords					4.4.00
SIGNED  *(See Instructions and Spaces for Additional Date on States any false, fictitious or fraudulent statements  *(See Instructions and Spaces for Additional Date on States any false, fictitious or fraudulent statements  *(See Instructions and Spaces for Additional Date on States any false, fictitious or fraudulent statements	35. LIST OF ATTACH	ectional Su	rvey	- stim id complete	e a digres	as determine	d from all	avaliable rec		fficer		DATE	10/	11/00
SIGNED  *(See Instructions and Spaces for Additional Date on States any false, fictitious or fraudulent statements  *(See Instructions and Spaces for Additional Date on States any false, fictitious or fraudulent statements  *(See Instructions and Spaces for Additional Date on States any false, fictitious or fraudulent statements	Logs & Dil	at the foregoing	and attacked inform	TIAUDII IS CONTIDIO	Her	ASWELL	THE STATE	MANEND	CAIMS C	111061				
The state of the property and Willfully to Hake to the state of the st	36. (Heleby column)	1/2m	4 L	1			e for Ar	ditional	Data on F	leverse S	ide) atitious or fra	udulent stater	ments	
The state of the property and Willfully to Hake to the state of the st	SIGNED	<u></u>	<del></del>	*(See Vinst	ructions	and Space	nent or ag	ency of the l	Jnited State:	s any faise, t	icutions of 7,0			
Title 18 U.S.C. 1001, makes it a China total and		مستبيد داران	e folkany person ki	nowingly and Willin	ully to make	to stry depart								
	Title 18 U.S.C. 1001	, makes it a com-	vithin its jurisdiction	1										

or representations as to any matter within its jurisdiction

37. SUMMARY OF BODOIS TALL Grayburg San Andres Queen 7-Rivers unii-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and FORMATION 3202' 2774' 2348' 1890' 뎧 ביי ייייטיושווו zones of porosity and contents thereof, cored intervals; and all BOTTOM 3500' 3202' 2774 2348' DESCRIPTION, CONTENTS, ETC. Grayburg San Andres Queen 7-Rivers NAME GEOLOGIC MARKERS MEAS. DEPTH 1890' 2348' 2774' 3202' 뎡 

VERT DEPTH



## PATTERSON DRILLING COMPANY LP

- A LIMITED PARTNERSHIP -

410 North Loraine Street • Midland, Texas 79701 (915) 682-9401 • Fax (915) 682-1565

August 8, 2000

AROC (Texas), Inc. c/o Shahara Oil, LLC Attn: Perry Hughes 207 W. McKay Carlsbad, New Mexico 88220

Re: Deviation Report

Grayburg Jackson PSU AD #12

## Gentlemen:

The following is a deviation survey on the above-referenced well located in Eddy County, New Mexico.

496' - 1.00	2635' - 0.75
786' <b>–</b> 1.00	3122' - 1.00
1096' - 1.50	3500' - 1.00
1339' 1.75	
1649' - 1.50	
2142' - 0.50	

Sincerely,

Treva Forrester

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing was acknowledged before me this 8<sup>th</sup> day of August, 2000 by Treva Forrester.

MY COMMISSION EXPIRES:

REBECCA EDWARDS

Notary Public

STATE OF TEXAS

My CANNII. Exp. 07/24/2003

Roberts Edwards