District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 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

Form C-101 June 16, 2008

Submit to appropriate District Office

AMENDED REPORT

H 2 205 302 3115 N 10 E LEA - ^A Proposed Bottom Hole Location If Different From Surface	<u> </u>	PLICA		Operator Name a APACHE CORP ERANS AIRPAR	md Address ORATION K LANE, S	1	S-RIN I I	LR, D	EEP	EN, PLUGB	⁴ OGRÍD I API Nu	Number	
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¹¹ Work Type Code ¹⁰ CalderRotary ¹¹ Lease Type Code ¹⁰ Ground Level Elevation ¹¹ Morkiple ¹⁰ Proposed Depth ¹⁰ Samuation ¹⁰ Constructor ¹⁰ Signid Date ¹¹ Morkiple ¹⁰ Proposed Depth ¹⁰ Easing and Cement Program ¹⁰ Constructor ¹⁰ Signid Date ¹¹ Morkiple ¹¹ Proposed Casing and Cement Program ¹⁰ Constructor ¹⁰ Signid Date ¹¹ Lease Type Code ¹⁰ Casing Size Casing weight/Dot Setting Depth Sacks of Cement Estimated TOC ¹¹ Lease Type Code ¹⁰ Casing weight/Dot Setting Depth Sacks of Cement Estimated TOC ¹¹ Lease Type Code ¹⁰ Casing weight/Dot Setting Depth Sacks of Cement Estimated TOC ¹¹ Lease Type Code ¹⁰ Casing weight/Dot Setting Depth Sacks of Cement Estimated TOC ¹¹ Lease Type Code ¹⁰ Casing weight/Dot Setting Depth Imated TOC Date ¹¹ Lease Type Code ¹⁰ Casing weight/Dot Setting Depth Imated TOC Date ¹¹ Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zon casing weight/Dot case is theph Code of the Casing Safe Permit Expires 2 Years	UL or lot no. H			Range		1 Feet fro	m the N	Vorth/Sou		Feet from the		line	•
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²¹ Proposed Casing and Cement Program Hole Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 11 8 5/8 24 395 d00 Circ. To Srf 7.768 5.1/2 17 4020 1000 100 ² CBL ** Describe the progosed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zon ** Describe the biowout prevention program, if any. Use additional sheets if necessary. **PLEASE SEE ATTACHED PROCEDURE . MIRU PULLAG UNT ************************************	¹⁶ N	fultiple			1	¹⁸ Fon	nation			¹⁹ Contractor		20 SI	pud Date
est of my knowledge and belief. iignature: AUFFMAN OIL CONSERVATION DIVISION Approved by: Printed name: KATIE KAUFFMAN Title: PETROLEUM ENGINEERING Title: NOV 2 4 2010 Expiration Date: NOV 2 4 2010 Expiration Date: NOV 2 4 2010	¹² Describe t Describe the 1. M 2. TI 3. SE 4. ES 5. ST 6. SF 7. TI 8. M 9. TI 10. CI 11. TI 12. Ti 13. R	he proposed blowout pr IRU PULLA H W/BIT & T CR @ 26- T. PMP IN TNG OUT C T CIBP @3 H W/TBG & ILL OUT W H W/BIT, D RC CLEAN H W/BIT, G & H W/BOX 1 JN PROD, F	5 d program. If evention prog NG UNIT DO CIBP @ 3 45 RATE, POSSI DF CR 400' & WHPSTOCI 'INDOW PRILL NO DEH PKR, SWAB CAP & RETRII CQUP & PUT	1/2 this application i ram, if any. Use 650 BLY SQZ w/200 s. K, SET WHIPSTC EPER THAN 3785 ON TEST EVE WHIPSTOC ON TEST	s to DEEP additional : s cmt. OCK ON TO , K, DO CHP	17 EN or PLUG BA sheets if necess	ACK, give tl ary, *PLEA	4020 he data c ASE SEE	Ε ΑΤΤΑ	1000 resent productive ze CHED PROCEDU SS 2 Years F ess Dritting Plug	re rom A Under	bbroat	00' CBL
Add. Add. Printed name:KATIE KAUFFMAN Title: Petrol:EUM ENGINEERING TECH Approval Date NOV 2 4 2010 E-mail Address:KATIE.KAUFFMAN@APACHECORP.COM	²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.					plete to the	OIL CONSERVATION DIVISION						
PETRUECUM ENGINEEN Title:ENGINEERING TECH Approval Date NOV 2 4 2010 Expiration Date: NOV 2 4 201 E-mail Address:KATIE.KAUFFMAN@APACHECORP.COM	Signature: Later Muf Mag						Approved by:						
Title:ENGINEERING TECH Approval Date NOV 2 4 2010 Expiration Date: NOV 2 4 2010 B-mail Address:KATIE.KAUFFMAN@APACHECORP.COM	Printed name:KATIE KAUFFMAN						Tille: PETROLEUM ENGIMEEN						
	Title:ENGINEERING TECH												
Date: 11/1/2010 Phone: 432.818.1065 Conditions of Approval Attached	E-mail Addre	ss:KATIE.I	KAUFFMAN	@APACHECOR	Р.СОМ								
	Date:11/1/20	10		Phone:432.81	8.1065		Condition	s of App	roval At	itached			

11/24/10

District I	State of New Mexico
1625 N. French Dr., Hobbs, NM 88240 District 11	Energy, Minerals & Natural Resources Department
1301 W. Grand Avenue, Artesia, NM 88210	OIL CONSERVATION DIVISION
District 111	1220 South St. Francis Dr.
1000 Rio Brazos Rd., Aztee, NM 87410 District IV	Santa Fe, NM 87505
1220 S. St. Francis Dr., Santa Fe, NM 87505	

Form C-102 Revised July 16, 2010 Submit one copy to appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

3			³ Pool Code ³ Pool Name 23000 EUNICE MONUMENT; GRAYBURG-SAN ANDRES					DRES		
⁴ Property Code 302708			⁵ Property Name NM GSAU					⁴ Well Number 362		
⁷ OGRID No. 873				⁸ Operator Name Apache Corporation					⁹ Elevation 3576°	
					¹⁰ Surface	Location				
UL or lot no. H	Section 2	Township Range Lot Idn Feet from the North/South line Feet from the East/				East/West lin E	e County LEA			
	L	J	^{II} Bo	ottom Hol	e Location I	f Different Froi	m Surface			
UL or lat no. H	Section 2	Township 20S	Range 36E	Lot Idn	Feet from the 2415	North/South line N	Fect from the 10	East/West lin E	te County LEA	
¹² Dedicated Acre 40	s ¹³ Joint a	r Infill ¹⁴ C	oosolidation	Code ¹⁵ Or	der 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.

16			¹⁷ OPERATOR CERTIFICATION
			Thereby certify that the information contained herein is true and complete
			to the best of my knowledge and belief, and that this inganization either
			costs a working interest or unleased mineral interest in the land including
			the proposed bottom hole location or has a right to drill this well at this
			location pursuant to a contract with an axiver of such a mineral or working
			interest, or to a voluntary pooling agreement or a compulsory pooling
			order heretofore entered by the division.
	 		KILLEX WAMAN 11/1/2010
			Signature Date
			KATTE KAUFFMAN
			KATIE.KAUFFMAN@APACHECORP.COM E-mail Address
	 	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	¹⁸ SURVEYOR CERTIFICATION
			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 belief.
	 		Date of Survey
			Signature and Seal of Professional Surveyor:
		-	
			Certificate Number

## NMGSAU #362

## Procedure

- 1) MIRU Pulling Unit
- TIH w/4 ¾" bit on 2 7/8" workstring with drill collars & drill out CIBP @ 3650'. Push plug to at least 3805'. Circulate well clean. TOH.
- 3) TIH w/tubing & cement retainer. Set retainer @ 3645'.
- 4) Establish pump in rate & squeeze w/200 sx low fluid loss cement. Hesitate squeeze if low pressure is encountered.
- 5) Sting out of retainer & circulate clean. TOH.
- 6) Set CIBP at 3400' (Directional plan being finalized) on wireline
- 7) TIH w/tubing & whipstock. Set whipstock on top of CIBP. Orientation is not required.
- 8) Mill out window. TOH
- 9) TIH w/bit, directional assembly and drill collars with PH6 tubing in openhole section. Ensure collars will stay in vertical section. Drill no deeper than 3785' TVD based upon openhole log of #362. Utilize Easy Mud or equivalent.
- 10) Circulate well clean & TOH
- 11) TIH w/tubing & packer. Swab on test
- 12) If justified, acidize well w/3000 gallons 15% HCl at 2 -3 BPM.
- 13) Flow well back
- 14) TOH
- 15) TIH w/box tap and retrieve whipstock. TOH
- 16) TIH w/bit and collars and drill out CIBP. TOH
- 17) Run production equipment.
- 18) Place well on test.

Worlent	wellb	NL
Anache Cornoration		

Apacin	e corporat	1011	
Author:	Stroup		
Well Name	NMGSAU	Well No.	362
Field	Monument	API #:	30-025-38316
County	Lea	Prop #:	31324401
State	New Mexico	Zone:	Grayburg
Date	9/10/2010		
GL	3630'		-
KB	3641'		-

	TOC @ surface 11" hole 8 5/8" (J55 - 24#) @ 395'	
	7-7/8" hole	
	CIBP @ 3650' w/2 sx	
	3665-72, 3697-3700, 3751-56, 3	762-72, 3790-3800
	CIBP @ 3812'	
	3817-25, 3848-52	
	CIBP @ 3865'	Perforations TA
	3870-74, 3894-3900, 3916-20	PBTD @ <u>3967'</u>
	PBTD @ 3967'	TD @ 4020'
TD @ 4020'	5 1/2" (J55 - 17#) @ 4020' w/10	00 sx

Description	O.D.	Grade	Weight	Depth	Cmt Sx	тос
Surface Csg	8 5/8	J-55	24.00	395	400	surface
Inter Csg						
Prod Csg	5 1/2	J-55	17.00	4,020	1,000	surface
Liner						