Susana Martinez Governor

Ken McQueen Cabinet Secretary

Matthias Sayer Deputy Cabinet Secretary Heather Riley, Division Director Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following <u>3160-4 or 3160-5</u> form.

Operator Signature Date: 1/10/2019 Well information:

> Hilcorp Energy Company 30-045-30710 PAN AMERICAN FEDERAL GAS COM B #003

Application Type:

P&A Drilling/Casing Change Location Change

Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84; Submit Gas Capture Plan form prior to spudding or initiating recompletion operations)



Conditions of Approval:

- Notify the OCD 24hrs prior to beginning operations.
- The Pictured Cliffs must be plugged in this well or a density exception approved for **30-045-08926 PAN AMERICAN FEDERAL GAS COM B #001.**

Rotheric Prem

NMOCD Approved by Signature

<u>2/18/19</u> Date

Form 3160-5 (August 2007)	UNITED STATE DEPARTMENT OF THE BUREAU OF LAND MAN	INTERIOR AGEMENT	JAN	<b>CEIVED</b> 2 8 2013 5. Lease Serial No.		1004-0137		
S Do not abandoi	SUNDRY NOTICES AND REPO use this form for proposals to ned well. Use Form 3160-3 (AF	RTS ON WELLS drill or to re-en PD) for such pro	ter an posals.	b.Timdiad,fAllette Id Managemer	e or Tribe Nar			
	SUBMIT IN TRIPLICATE - Other instr			7. If Unit of CA/Ag	greement, Nan	ne and/or No.		
1. Type of Well Oil Well Other			8. Well Name and No. Pan American Federal Gas Com B 3					
2. Name of Operator	ıy	9. API Well No. <b>30-045-30710</b>						
382 Road 3100, Aztec, NM 87410			area code) <b>3400</b>	Aztec Pictu	0. Field and Pool or Exploratory Area Aztec Pictured Cliffs/Basin Fruitland Coal			
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) Surface Unit P (Lot 16) 660' FSL & 660' FEL, Sec.			R11W	11. Country or Pari San J		New Mexico		
	CK THE APPROPRIATE BOX(ES)	TO INDICATE NAT	URE OF NOT	TICE, REPORT	OR OTHER	DATA		
TYPE OF SUBMISSIO	N	Т	YPE OF AC	TION				
Notice of Intent         X         Subsequent Report	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	R	roduction (Start/Res eclamation ecomplete		Water Shut-Off Well Integrity X Other Continue TA		
Final Abandonment Notice	Change Plans	Plug and Abandon Plug Back		emporarily Abandor ater Disposal	1	Status		
08926) to the Aztec F The new PC complet is currently Tempora production without a	ly for final inspection.) pany has submitted an NOI to Pictured Cliffs formation and c tion will replace the Pan Ameri arily Abandoned behind a 4.5" a density exception for the Azt	ommingle with ican Federal Ga CIBP @ 2070', a	the existing s Com B 3 a is of 10/14/2	Dakota forma is to the Azteo 2004. The TA'o	ation. c Pictured d zone will	Cliffs formation, that not be returned to		
TA status.				8101 111	1510			
		LEB 0 1 5018						
				<b>d</b> J O WN				
14. I hereby certify that the foregoin	ng is true and correct. Name (Printed/Typed	d)						
Cherylene Weston			Title Operations/Regulatory Technician - Sr.					
Signature Cheryle	relloton	Date	-10-10	1				
0	THIS SPACE FOR	R FEDERAL OR	STATE OFF	ICE USE		/ /		
that the applicant holds legal or equ	attached. Approval of this notice does not w iitable title to those rights in the subject lease		Title Office	PE to		Date 1/31/19		
false, fictitious or fraudulent statem	rations thereon. Title 43 U.S.C. Section 1212, make it a crime eents or representations as to any matter with				artment or age	ncy of the United States any		
(Instruction on page 2)								

٣

-

Hilcorp Energy Company Current Schematic Well Name: PAN AMERICAN FEDERAL GAS COM B #3										
004530710		Surface Legal Location Field Name		Route 0701	State/Province New Mexico	Well Configuration Type				
ound Elevatio		Original KB/RT Elevation (ft) KB-Ground Distance (ft)		KB-Casing Flange		Hanger Distance (ft)				
870.00		5,876.00 6.00								
		Vertical, Original Hole, 1/10	/2019	2:46:45 PM						
D (ftKB)	TVD (ftKB)	Vertical	schemat	ic (actual)						
-9.5					Polished Rod; 22.00 ft Surface Casing Cement: 6.0-219.0: 8/12/ Sucker Rod; 1.625.00 ft	2001				
5.9		ATT/RATURATES ATTACHTATES AT ATTACHTATES ATTACHTAR A ATACTATION A ATTACTAR ATTACTAR ATTACTAR ATTACTAR ATTACTAR			Production Casina Cement: 6.0-2.381.0: Sucker Rod w/Molded Guides; 250.00 ft – Sinker Bar; 25.00 ft					
12.5					X-Linked Gel; 10/14/2004; Ac w/758 gals w/72,879 gals (slurry vol) Delta 140 frac f	15% HCI ac. Fracd Upper FC perfs dwn 4-1/2" csg Iuid (20# Borate XL gelled FW) carrying 113,000# sd				
216.9					Max sd conc 5.3 ppg.	T (80,000# 20/40 Brady sd & 33,000# 16/30 Brady sd).				
219.2		1; Surface; 7 in; 6.46 in; 6.0 ftKB; 219.0 ftKB			Top Perf (ftKB): 1838					
219.2		N0000000			Bottom Perf (ftKB): 1969 Top Perf TVD (ftKB): Bottom Perf TVD (ftKB):					
1,637.5		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 6.0 ftKB;		30000	5 Min (psi): 10 Min (psi):					
		1,000.4 III (b)			15 Min (psi): 756.0 Frac Interval TVD (ftKB): Initial Frac Gradient:					
1,806.4					AIR (bbl/min): 31.0 ATP (psi): 1293.0 MIR (bbl/min): MIR (bbl/min):					
1,837.9		Perforated; 1,838.0-1,842.0; 10/15/2004		1 Million	SICP (psi): Breakdown Pressure (psi): Ball Seat 7: No					
1,841.9		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 1,806.4 ftKB; 1,903.7 ftKB		10000	Designed Water (bbl): Total Water Pumped (bbl): Proppant Type:					
1,887.5					Total Proppant (ib): 113000.0 Flush Volume (bbl): % Pad (%):					
1,903.5					Surfactant Type: Surfactant Volume (gal): Surfactant Average Concentration:					
1,912.7			46		Bactericide Type: Bactericide Volume (gal):					
1,916.7			F1		Bactericide Average Concentration: Stabilizer Rod; 4.00 ft					
1,919.9		Perforated; 1,920.0-1,922.0; 10/15/2004		50000						
1,921.9		renorated, 1,320.0-1,322.0, 10/13/2004		20000						
1,923.9				44444	Sinker Bar; 25.00 ft					
1,925.9		Perforated; 1,924.0-1,926.0; 10/15/2004		55050	Stabilizer Rod; 4.00 ft Sinker Bar; 25.00 ft Stabilizer Rod; 4.00 ft					
1,941.6					Sinker Bar; 25.00 ft Stabilizer Rod; 4.00 ft					
1,945.5			<b>A</b>		Sinker Bar; 25.00 ft -Stabilizer Rod; 4.00 ft X-Linked Gel; 10/14/2004; Ac w/513 gals	15% HCI ac. Ppd 4,307 gals 20# gel wtr for flush & stej				
1,961.0		Perforated; 1,961.0-1,969.0; 10/15/2004		20202	rate test. Fracd dwn 4-1/2" csg w/94,647 gelled FW) carrying 142,500# sd coated Brady sd & 43,000# 16/30 Brady sd). Ma	<sup>7</sup> gals (slurry vol) Delta 140 frac fluid (20# Borate XL w/Sandwedge and Sandwedge NT (99,500# 20/40 x sd conc 5.3 ppg.				
1,969.2		Tubing - EPC; 2 3/8 in; 4.70 lb/ft; J-55;			····· XTO StimTreat data ·····					
1,970.5		1,903.7 ftKB; 2,035.4 ftKB			Top Perf (ftKB): 2019 Bottom Perf (ftKB): 2043 Top Perf TVD (ftKB):					
1,974.7			4 P		Bottom Perf TVD (ftKB): 5 Min (psi): 10 Min (psi):					
1,999.7					15 Min (psi): 1208.0 Frac Interval TVD (ftKB): Initial Frac Gradient:					
2,003.6			4P		AIR (bbl/min): 32.0 ATP (psi): 1887.0 MIR (bbl/min):					
2,019.0				SXXX:	SICP (psi): Breakdown Pressure (psi):					
2,022.0		Perforated; 2,019.0-2,022.0; 10/15/2004			Ball Seat ?: No Designed Water (bbl): Total Water Pumped (bbl):					
2,027.9					Proppant Type: Total Proppant (lb): 142500.0 Flush Volume (bbl):					
2,028.5		100 100 100 100 100 100 100 100 100 100		10000	% Pad (%): Surfactant Type: Surfactant Volume (gal): Surfactant Average Concentration:					
2,032.5		55597 <b>-</b>		542302	Bactericide Type:					
2,033.5			T		Bactericide Volume (gal): Bactericide Average Concentration: Lift Sub; 1.00 ft					
2,033.5				60000	Spiral Rod Guide; 0.40 ft					
2,034.1		Perforated; 2,028.0-2,043.0; 10/15/2004	2.5	100000						
2,035.4		Seat Nipple; 2 3/8 in; 2,035.4 ftKB; 2,036.1		10000						
				20000	Rod Insert Pump; 10.00 ft					
2,043.0			D Q	10000	Strainer Nipple; 1.00 ft N2 Energized Frac; 8/29/2001; ACIDIZED	& FRAC'D DWN CSG W/500 GALS 15% NEFE HCL				
2,044.0		OEMA w/Weep Hole; 2 3/8 in; 4.70 lb/ft; J-			ACID & 20,000 GALS 70Q, N2 FOAMED CARRYING 44,080# 20/40 BRADY SD (	CLEARFRAC FLUID (0.5% J508W IN 4% KCL WTR)				
2,044.9		55; 2,036.1 ftKB; 2,056.1 ftKB			····· XTO StimTreat data ·····					
2,056.1					Top Perf (ftKB): 2080 Bottom Perf (ftKB): 2090 Top Perf TVD (ftKB):					
2,069.9		PBTD; 2,070.0; Set CIBP.	-	- ***	Bottom Perf TVD (ftKB): 5 Min (psi): 10 Min (psi):					
2,070.9		4 1/2 CIBP, 2,070.0-2,071.0		<u> </u>	10 Min (psi): 15 Min (psi): 476.0 Frac Interval TVD (ftKB): Initial Frac Gradient:					
2,080.1		Porferented: 2,080,0,2,000,0; 8/20/2001		55555	AIR (bbl/min): 25.0 AIP (psi): 1275.0					
2,089.9		Perforated; 2,080.0-2,090.0; 8/29/2001		198998	MIR (bbl/min): SICP (psi): Breakdown Pressure (psi):					
2,335.0					Ball Seat 7: Designed Water (bbl): Total Water Pumped (bbl):					
2,378.9					Proppant Type: Total Proppant (b): 44080.0 Flush Volume (bbl):					
2,380.9		2; Production; 4 1/2 in; 0.00 in; 6.0 ftKB;			Flush Volume (bbl): % Pad (%): Surfactant Type: Surfactant Volume (gal):					
2,382.9		2,381.0 ftKB			Surfactant Volume (gal): Surfactant Average Concentration:					

www.peloton.com