Submit 1 Copy To Appropriate District Office	State of New Mexico	Form C-103
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natural Resources	Revised July 18, 2013 WELL API NO.
<u>District II</u> – (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION	30-039-29275
District III - (505) 334-6178	1220 South St. Francis Dr.	5. Indicate Type of Lease STATE STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> – (505) 476-3460	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505		
	TICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPL	OSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A ICATION FOR PERMIT" (FORM C-101) FOR SUCH	San Juan 29-5 Unit
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well 🛛 Other	8. Well Number
		60F 9. OGRID Number
2. Name of Operator HILCORP ENERGY COMPA	ANY	372171
3. Address of Operator		10. Pool name or Wildcat
382 Road 3100, Aztec, NM 8	7410	Gobernador PC/Blanco MV/Basin DK
4. Well Location Unit Letter B 66	60 feet from the <u>North</u> line and <u>2500</u> feet	from the <u>East</u> line
Section 32	Township 29N Range 5W	NMPM Rio Arriba County
	11. Elevation (Show whether DR, RKB, RT, GR, etc.,	
	6509' GR	
12 Check	Appropriate Box to Indicate Nature of Notice,	Report or Other Data
		SEQUENT REPORT OF: K
	CHANGE PLANS COMMENCE DRI	
PULL OR ALTER CASING	MULTIPLE COMPL CASING/CEMEN	Т ЈОВ
DOWNHOLE COMMINGLE		
OTHER:	Recomplete OTHER:	
	pleted operations. (Clearly state all pertinent details, and vork). SEE RULE 19.15.7.14 NMAC. For Multiple Cor	
proposed completion or re		inpletions. Attach wendore diagram of
Hilcorn Energy Company plans to	recomplete the subject well in the Pictured Cliffs format	ion and downhole commingle with the existing
	s the PC C102, recomplete procedure & wellbore schem	
and approved before the work proc	eeds. A closed loop system will be utilized.	
		NM O C D
		MAY 2 2 2018
		DISTRICT 111
Spud Date:	Rig Release Date:	
14		
	ale must be approved prior the	
I hereby certify that the information	above is true and complete to the best of my knowledge	e and belief.
StipT	at	
SIGNATURE CALL	TITLE Operations / Regulatory Te	echnician – Sr. DATE <u>5/17/2018</u>
Type or print name Etta Trujill	o E-mail address: <u>ettrujillo@hilc</u>	orp.com PHONE: <u>505-324-5161</u>
For State Use Only	Deputy Oil & Gas	
APPROVED BY: Dral F.	District #	#3 DATE <u>5/29/18</u>
Conditions of Approval (if any):	R	
		4

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### **District**

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 **District III** 

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505

Phone:(505) 476-3470 Fax:(505) 476-3462

# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Form C-102 August 1, 2011

Permit 252592

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-039-29275	77440	GOBERNADOR PICTURED CLIFFS (GAS)
4. Property Code	5. Property Name	6. Well No.
318837	SAN JUAN 29 5 UNIT	060F
7. OGRID No.	8. Operator Name	9. Elevation
372171	HILCORP ENERGY COMPANY	6509

### 10. Surface Location UL - Lot Section Township Range Lot Idn Feet From N/S Line Feet From E/W Line County 05W N 2500 32 29N Е 660 В **RIO ARRIBA**

			11. Bottom	Hole Location	If Different F	rom Surface			
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00 E/2		13. Joint or Infill		14. Consolidation Code			15. 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

OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. E-Signed By: <i>Etta Trujillo</i> Title: Operations/Regulatory Tech Date: 5/17/2018
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.
Surveyed By: Jason C Edwards
Date of Survey: 9/1/2004
Certificate Number: 15269



# HILCORP ENERGY COMPANY SAN JUAN 29-5 UNIT 60F PICTURED CLIFFS RECOMPLETION SUNDRY

	JOB PROCEDURES
1.	MIRU service rig and associated equipment; test BOP.
2.	TOOH with 2 3/8" tubing set at 7,761'.
3.	Set a 4-1/2" cast iron bridge plug at +/- 3,700' to isolate the Mesa Verde and Dakota Formations. (Note: TOC at 2,370' by CBL.)
4.	Load the hole and pressure test the casing to frac pressure.
5.	N/D BOP, N/U frac stack and test frac stack to frac pressure.
6.	Perforate and frac the Pictured Cliffs in a single stage (Top Perforation @ 3,410'; Bottom Perforation @ 3,530').
7.	Isolate frac stage with a composite bridge plug.
8.	Nipple down frac stack, nipple up BOP and test.
9.	TIH with a mill and drill out top Pictured Cliffs isolation plug.
10.	Clean out to Mesa Verde and Dakota isolation plug and, when water and sand rates are acceptable, flow test the Pictured Cliffs.
11.	Drill out Mesa Verde and Dakota isolation plug and cleanout to PBTD of 7,865'. TOOH.
12.	TIH and land production tubing. Get a tri-mingled Mesa Verde + Dakota + Pictured Cliffs flow rate.



# HILCORP ENERGY COMPANY SAN JUAN 29-5 UNIT 60F PICTURED CLIFFS RECOMPLETION SUNDRY

	inergy Company		chematic - Ver	rsion 3		
Well Name:	SAN JUAN 29-5 UNIT #60 Surface Legal Location 032-029N-005W-B	F	License No.		State/Province NEW MEXICO	Well Configuration Type Vertical
ound Elevation (ft) 509.00	Original KB/RT Elevation (ft) 6,522,00		nd Distance (R)	KB-Casing Flange	the second s	g Hanger Distance (fl)
505.00				and the second second		
	Ve	ertical, Original H	Hole, 5/16/2018	3 4:54:38	PM	
MD TVD ftKB) (ftKB)			Vertical schematic	(actual)		
13.1 36.4	Tubing; 2 3/8 in; 4.70 lb/ft; J-	ftKB			CLOSE VALVE @ CEVENTIN HOSE WHACO PSI, DK. RELE CEVENTING HEAD VALVE. P	225.5 B12025 CENENT 5 ST CASING AS RESH WATER BREACHING DIRCULATION. G HACA AND PRESSLER TEST CENENTING LASE TEST PRESSLAR AND OPEN UMP 5 BELS. FRESH WATER AND 10 BELS. NOTE MIX & PLUE 202 (41.3 BELS 2020)
44.6	Tubing Pup Joint; 2 3/8 in; 4.	70 lb/ft; J-55; 44.5 ftKB; 54.5 ftKB			WEIGHT OF 15.5 PPG AND A	TH 2% SOULAND 225 FFS DODE & A A VIELD OF LIG CUSTISK RELEASE WIPER 154 EELS. FRESH WATER TO THE
54.5	Tubing Pup Joint; 2 3/8 in; 4.				CEVENT IN CASING @ 185	SUMP WITH AN ESTIMATED TOP OF
60.7	1	100,00.0100			PRESSURE CFF TO 140 PSI	R LAST PUMP PRESSURE () 1/2 EPV), ELEED AND SHUT IN CEMENTING MEAD, MAD JOE, CIRCULATED & SX (16 EELS /101
234.5		8			CUST), WOC HOLD CEVENT	ING EQUIPMENT RIG DOWN PREJDE
235.5					1. Surface 3 52 m 8.00 m 10	10 NKE, ALLMINUM BATTLE PLATE & 19%.
2,370.1					ATT S BELS. FRESH WATE	ISSATSE SESTOR BREAK CACULATION R. CLOSE CEWENT HOSE VALVE AND ICSE TO CEWENTING HEAD WIDTO PSI, CK.
2,700.1	-OJO ALAMO FORMATION	(final)			RELEASE FRESSLRE & DFE	PLAUP IS BELS. FRESH WATER AND 10
2,834.0	-KIRTLAND FORMATION (fin	nal)			SX (218.0 BELS. 1204.0 CUST PPS PHENOSEAL COS GPS	EEN DYE. MIX & PUNF LEAD CEMENT 450 2 G CEMENT WITS DOTE 3.28 PPS DO25, 10 DO47 & 3.25 DO45 @ A WEIGHT OF 11.7 PPG
3,150.9	-FRUITLAND FORMATION (	final)			AND A YIELD OF 1 TE CUFT!	EX. MIX & PLANT TAIL CENENT 228 SX (82.5 C2 CENENT WI25 COSt. 2% SCOI, 625 FFS
3,410.1	-PICTURED CLIFFS FORMA	TION (final)			115 PPG AND A YIELD OF 1	ST CUFTISX RELEASE WIPER PLUG AND
3,692.3					CATCHING CENENT. BUMP I 1900 PSI DVER FINAL PUNP	PRESSURE & 2 2PV), RELEASE SUMP
3,693.6			- 8'8 - I	18 <sup>1</sup> 8	PRESSURE BLED 1 BBLS B	LACK FLOATS HELD CHROLAATED (144 SX DEMENT TO SURFACE FLUSH BOPE & NG EQUIPMENT RG DOWN PRE-
3,735.9	-LEWIS FORMATION (final)				SAVE	RIS ODAN SCHLAVEERGER & RELEASE
3,736.5					TTTT & 2811 (TOTAL \$1: 3.73	12.0 HKE, TURBOUISRS (2 1847, 2787, 1754, 1.0 HKE 2712-0-7,874 2 88 2005, PUMP 2 8845, 2%
3,737.9	Tubing; 2 3/8 in; 4.70 lb/	t J-55 60 5 tKB			CLOSE VALVE ON CEVENTIN	NT LINES THROUGH CLEAN UP HOSE. NG HEAD AND PRESSURE TEST PSI, CK. RELEASE TEST PRESSURE & OPEN
4,412.1	-CHACICAT ORMANON (IIII	7 759 0 ftKB			VALVE. CEVENT 4 1/2 CASIS VISCOUS SPACER, 10 60.5.	NS AS FOLLOWS PLAY 10 BELS WF
5,143.7					PULIP 485 SX (121.1 8815 87	ATER AND 5 BELS, FRESH WATER, MIX & 43 CLFT) 50:50:5/PCZ CEWENT WITH 5.25 5 0024 0.25% DVET, 5 1% D800, 5.15% D083
5,148.3	-				THELD OF 1.48 CUFTISK RE	SEAL & A WEISHT OF 120 FFG AND A LEASE DIVEGA WIPER PLUG AND DISPLACE 5. 2% KD, WATER AND 120 BELS. FRESH
5,232.0					WATER AS FOLLOWS IS BE	LS. @ 5.4 20%, 22 25LS. @ 4 20% 5 12 21%5/Y AFTER 55 25LS. DISPLATEMENT. AUGUST 5 2005 W/H 2500 551 (500 55) RE @ 2 20%(). RELEASE PRESSURE 5
5,232.9	-CLIFF HOUSE FORMATION	(final)		655	BUESD BACK 3/4 BELS., FLO	ATS HOLDING. FRESSLRE UP ON FLUG
5,247.0			300 I	168	AITH 2500 PSI A SECOND T DIA 2215, FLOATS HOLDING SCHUMBERGER	NAE RELEASE PRESSURE & BLAED BACK
5,301.8	-MENEFEE FORMATION (fir				Persual 12225-18215 87	a 2008
5,605.0	POINT LOOKOUT FORMAT	ION (final)		1878		
5,582.1	MANOCS FORMATION (fin	al).		88		
6,023.9	GALLUP FORMATION (fina			Marrow .		
7,539.4						
7,559.7				*		
7,741.1	-DAKOTA FORMATION (fina	I)				
7,755.9	Profile Nipple; 2 3/8 in; 7,7	50 0 8KB 7 750 81		888		
7,758.9		ftKB		1800		
7,759.8	Mule Shoe Pup Joint; 2 3/	8 in; 7,759.8 ftKB; 7,760.8 ftKB		888		
7,760.8		1,100.0 1110	1000	6%	Performed 1.736 5-1.176.0.83	2 2002
7,775.9						
7,830.1	Tightspo	t; 7,830.0-7,865.0			Daman Plug 7,581,57,8741 8	12/2023
7,871.1					and the second sec	
7,872.4						
7,874.3					2. Production 4 1/2 in 4:00 in BAOK, 7.8743 https://	120 THE NO SHOE TRACK IS & FC FIGGY
7,877.0						
7,926.8						