Office	19 AM Enor	State of I		xico ral Resources			rm C-103 ¹ uly 18, 2013
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Lifer	gy, winerais	allu Inatu	Tai Resources	WELL API NO.	ite vised st	ary 10, 2015
<u>District II</u> - (575) 748-1283	OII	L CONSERV	ΔΤΙΟΝ	DIVISION	30-045-25533		
811 S. First St., Artesia, NM 88210 District III – (505) 334-6178	UIL	1220 South			5. Indicate Type	_	_
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505				STATE 6. State Oil & G	FEE	
<u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM 87505		Sunta i C	, 10107	505	6. State Off & G E-1685-4	ras Lease Ino.	
SUNDRY NOT (DO NOT USE THIS FORM FOR PROPO	SALS TO DR	ILL OR TO DEEP	PEN OR PLU	JG BACK TO A	7. Lease Name of Byrd Frost	or Unit Agreeme	nt Name
DIFFERENT RESERVOIR. USE "APPLIP PROPOSALS.)	CATION FOR	PERMIT" (FORM	4 C-101) FO	OR SUCH	8. Well Number		
1. Type of Well: Oil Well	Gas Well	Other			1		
2. Name of Operator HILCORP ENERGY COMPAN	NY				9. OGRID Num	372171	
 Address of Operator 382 Road 3100, Aztec, NM 874 	110				10. Pool name o Basin Dakota	or Wildcat	
4. Well Location					-		
Unit Letter <u>D</u> :	935	feet from the	e <u> </u>	Lline and	<u>1170</u> feet from	the W	line
Section 16		Township	26N	U	W NMPN	A San Juan	County
	11. Eleva	ution (Show wh		RKB, RT, GR, etc	.)		
			653	1'			
PULL OR ALTER CASING DOWNHOLE COMMINGLE	MULTIPI	LE COMPL		CASING/CEMEN	IT JOB		
OTHER:	1.4.1	(<u>Class</u>)			1		
13. Describe proposed or comp			14 NIN (A C				
of starting any proposed we proposed completion or rec Hilcorp Energy Company requests p	completion. permission t	o P&A the sub		-	mpletions: Attach		n of
of starting any proposed we proposed completion or rec Hilcorp Energy Company requests p	completion. permission t	o P&A the sub		-	mpletions: Attach		n of
of starting any proposed we proposed completion or rec Hilcorp Energy Company requests p	completion. permission t	o P&A the sub		-	mpletions: Attach		n of
of starting any proposed we proposed completion or rec Hilcorp Energy Company requests p	completion. permission t	o P&A the sub		-	mpletions: Attach		n of
of starting any proposed we proposed completion or rec Hilcorp Energy Company requests p	completion. permission t	o P&A the sub		-	mpletions: Attach		n of
of starting any proposed we proposed completion or rec Hilcorp Energy Company requests p schematics. A closed loop system v	completion. permission t	o P&A the sub	ject well p	per the attached pro	mpletions: Attach		n of
of starting any proposed we proposed completion or rec Hilcorp Energy Company requests p	completion. permission t	o P&A the sub		per the attached pro	mpletions: Attach		n of

SIGNATURE <u>Kana</u>	tís Roland	TITLE Operat	tions/Regulatory Technicia	<u>n – Sr. DATE 12/10/21</u>
Type or print name For State Use Only	Kandis Roland	_E-mail address:	kroland@hilcorp.com	_ PHONE: <u>_713-757-5246</u>
APPROVED BY: Conditions of Approval ((if any):	TITLE		DATE

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Plug and Abandonment - NOI

Byrd Frost 1

API # - 3004525533

Procedure:

Hold PJSM prior to beginning any and all operations. Properly document all operations via the JSA process. Ensure that all personnel onsite abide by HEC safety protocol, including PPE, housekeeping, and standard guidelines.

Verify cathodic protection is off and wellhead instrumentation is properly disconnected from the wellhead. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.

Verify there is no H2S present prior to beginning operations. If any H2S is present, take the necessary actions to ensure that the location is safe prior to beginning operations.

Observe and record pressures across all string daily, prior to beginning operations. Remember to notify NMOCD 24 hours prior to starting operations on location.

NOTE: **This procedure is contingent upon P&A sundry approval by NMOCD**. All cement volumes use 100% excess outside pipe and 50' excess inside (unless otherwise stated). All cement will be Class G, mixed at 15.8 ppg w/ a 1.15 cf/sx yield. The stabilizing wellbore fluid will be an 8.3 ppg fluid, sufficient to balance all exposed formation pressures.

Temperature Survey April of 1983 shows final TOC on 4.5" casing at 200'. Multiple DV tools in production string. CBL will be run and approval for final plugs will be confirmed with NMOCD and BLM personnel. If perforation is required, plugs will be adjusted from this program to cover excess.

- 1. This project will use a steel tank to handle waste fluids circulated from the well and cement wash up.
- Test anchors if not using a base beam. Comply with all NMOCD, BLM, and HEC safety regulations. MIRU and conduct safety meeting for all personnel on location.
- 3. Record casing, tubing, and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary. Ensure well is dead or on a vacuum.
- 4. ND wellhead and NU BOP, scan tubing out to use as work string.
- 5. RUWL and make GR run to 6681' (top perf). Run CBL from 6681' to surface. Adjust plugs in accordance with BLM/NMOCD rules with approval from both agencies based on CBL results.
- 6. Plug #1, 6665' 6610' (Dakota Top: 6660')
- 7. Set CIBP on WL at 6665'. POOH and RDWL. RIH with tubing and circulate 50' of cement on CIBP (0.775 bbl)
- 8. Plug #2, 5885' 5785' (Gallup Top: 5835')

- 9. Circulate plug mud to 5885'.
- 10. Circulate cement from 5885'-5785' (1.55 bbl + 0.75bbl. for required excess)
- 11. Circulate plug mud to 5020'
- 12. Plug #3, 5020' 4920' (Mancos Top: 4970')
- 13. Circulate 1.55 bbl + 0.75 bbl. of cement for required excess to 4920'
- 14. Plug #4, 4650' 4550' (Point Lookout: 4600')
- 15. Circulate plug mud to 4650'. Circulate 1.55bbl + 0.75 bbl. of cement for required excess to 4550'
- 16. Plug #5, 4030' 3830' (Menefee: 3980', Cliffhouse: 3880')
- 17. Circulate plug mud to 4030'. Circulate 3.1bbl + 1.55 bbl. of cement for required excess to 3830'
- 18. Plug #6, 2420' 2320' (Pictured Cliffs: 2370')
- 19. Circulate plug mud to 2420'. Circulate 1.55bbl + 0.75 bbl. of cement for required excess to 2320'
- 20. Plug #7, 2090' 1990' (Fruitland: 2040')
- 21. Circulate plug mud to 2090'. Circulate 1.55bbl + 0.75 bbl. of cement for required excess to 1990'
- 22. Plug #8, 1730' 1540' (Kirtland: 1680', Ojo Alamo: 1590')
- 23. Circulate plug mud to 1730'. Circulate 3bbl + 1.5 bbl. of cement for required excess to 1540'
- 24. Plug #9, 333' Surface (Surface Shoe: 283')
- 25. Circulate plug mud to 333'. Circulate cement from 383' to TOC shown on CBL. POOH with tubing, RUWL, perforate above TOC based on agency approval. Bullhead down casing and circulate out bradenhead. Volumes to be adjusted based CBL depths. Minimum of 6 bbl. to fill 4.5" casing from 383' to surface.
- 26.ND BOP and cut off wellhead below surface casing flange per regulation. Top off w/cement if needed. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location.

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3004525533	Surface Legal 016-025N-		Field Name BASIN DK		Joense No.		MEXICO	Well Configuration Type Vertical
Original KE/RT Elevi 6.543.00	tion (ft) KE-Ground 12.00		riginal Soud Date /29/1983 20:00		esse Date 963 00:00	PETD (AI)		Total Depth AI (TVD) (%K2)
0,545.00 Most Recent J			25/1505 20.00	1401		perigifia	106-0,943.0	
Job Calegory Well Maintenan		у Јав Туре	50	condary Job Type		Actual Start Date 5/18/2017		12 Date 118/2017
TD: 6.955.0				Original Hole	Martinell		P	
				-				
MD (ftKB)				Vertica	l schematic (ac	tual)		
- 0.0 -								
- 12.1 -						Sill Car	ina Joints 9 5/8in	; 12.00-283.00; 271.00; 1-1;
- 200.1 -							/8; 8.92	
- 283.1 -								
- 284.1 -								-1,688.00; 1,676.00; 2-1; 4
- 1,589.9 -	-OJO ALAMO (OJO A	LAMO (final))				1/2	4.00	
- 1,690.1 -	-KIRTLAND (KIRTLAN	D (final)) —						
- 1,688.0 -						DV.	Tool, 4 1/2in; 1,68	8.00-1,690.00; 2.00; 2-2; 4
- 1,690.0 -								
- 1,693.9 -				N/N		-	ing, 4 1/2in; 1,690 /2: 4.00	.00-4,390.00; 2,700.00; 2-3;
2,040.0	FRUITLAND (FRUITL	AND (final))				23/	/8in, Tubing; 12.00)-6,767.00; 6,755.00; 2-1; 2
- 2,370.1 -	-PICTURED CLIFFS (PI	CTURED CLIF	FS (final))			S [3/8		-6,864.00; 6,852.00; 1-1; 2
3,879.9	-CLIFF HOUSE (CLIFF	HOUSE (final					ain, Tubing; 12.0. ; 2.00	no,ookuu, 0,032.00; 1-1; 2
- 3,980.0 -	-MENEFEE (MENEFEE	(final))						
- 4,390.1 -						DV.	Tool, 4 1/2in: 4 39	0.00-4.392.00; 2.00; 2-4; 4
4,392.1						1/2		
4,600.1	-POINT LOOKOUT (PC		JT (final))					
- 4,970.1 -	-MANCOS (MANCOS	(final))						
5,110.9 -								
- 5,835.0 -	-GALLUP (GALLUP (fir	nal()					ing, 4 1/2in; 4,392 /2; 4.00	.00-6,911.00; 2,519.00; 2-5;
6,602.0 -	-GREENHORN (GREE)		,	<u></u>		· · · ·		
6.660.1	-DAKOTA (DAKOTA (FI							
- 6,681.1 -								n 5/24/1983 00:00; 6,681.00
6.767.1 -				·····			76.00; 1983-05-24 /9in_Section Nico	le; 6,767.00-6,768.00; 1.00; 3
- 6,768.0 -							2 3/8; 1.78	······································
- 6.775.9 -				12000		23	8in, Tubina: 6.76	3.00-6,800.00; 32.00; 2-3; 2
6,799.9							2.00	
6,847.1								
6.863.8								6,864.00-6,865.00; 1.00; 1-2;
6,865.2				00000		23	-	n 4/20/1983 00:00; 6,847.00
6,902.9				100000			03.00; 1983-04-20	
6.911.1							at Collar, 4 1/2 au	5,911.00-6,912.00; 1.00; 2-6;
- 6,911.1 - - 6,912.1 -							at Collar, 4 1/2in; (/2; 4.00	a, an 1.00°0, an <u>2.00;</u> 1.00; 2°0;
- 6,912.1 - - 6.942.9 -							ing, 4 1/2in; 6,912 : 4.00	.00-6,954.00; 42.00; 2-7; 4
						1/4		
- 6,954.1 - - 6,955.1 -						She	e 4 1/2in: 6.954.0	0-6,955.00; 1.00; 2-8; 4 1/2

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3004525533	O15-025N-005W-D	BASIN DK	Jonese No.		NEW MEXICO	Vertical
Crigne Kället Se	alon (1) (12-Ground Distance (10) Cro	pre Sout Date	Rg Resease Date		PETO (Al) (5/42)	Told Depth AI (TVD) (VKE)
5,543.00 Most Recent .		29/1963 20:00	46/1983 00:0	0	Original Hole - 6,943.0	
tob Callegory	Primary Job Type	54	condery Job Type	Adus Six		End Date
Well Maintenar				5/18/201	7	5/18/2017
TD: 6,955.	U		Original Hole [Vert	ical)		
MD (ftKB)			Vertical schem	atic (actual)		
0.0						
12.1						
200.1		12000001111110000				in; 12.00-283.00; 271.00; 1-1;
			100 1000		9 5/8; 8.92	
283.1					8	
				2000	Casing, 4 1/2in; 12/ 1/2: 4.00	00-1,688.00; 1,676.00; 2-1; 4
1,589.9	-OJO ALAMO (OJO ALAMO (final)					
1,680.1						
1,688.0					DV Tool, 4 1/2in: 1,1	588.00-1,690.00; 2.00; 2-2; 4
1,690.0			1000	100		90.00-4,390.00; 2,700.00; 2-3;
1,693.9			8000	1111	√4 1/2: 4.00	
2,040.0	-FRUITLAND (FRUITLAND (final)) -	and the second			2 3/8in, Tubing: 12	00-6,767.00; 6,755.00; 2-1; 2
2,370.1	-PICTURED CLIFFS (PICTURED CLIFF			3333	2 3/8in, Tubing; 12	00-6,864.00; 6,852.00; 1-1; 2
3,879.9	-CLIFF HOUSE (CLIFF HOUSE (final)				3/8: 2.00	
3,980.0	MENEFEE (MENEFEE (final))					
4,390.1						990:00-4,392:00; 2:00; 2-4; 4
4,392.1			0000	1000	1/2	
4,600.1	POINT LOOKOUT (POINT LOOKOU'	T (final)				
4,970.1						
5,110.9				100	Carles 41 Dia 42	92.00-6.911.00; 2.519.00; 2-5;
5,835.0	GALLUP (GALLUP (final))			110	4 1/2: 4.00	52.00-0,511.00, 2,515.00, 2-2,
6,602.0						
6,660.1	-DAKOTA (DAKOTA (Final)					
6,681.1						on 5/24/1983 00:00; 6,681.00
6,767.1 -			2000	80205	-6,776.00; 1983-05-2 2 3/8in, Seating Nit	pla: 6,767.00-6,768.00; 1.00; 2
6.768.0			699074	100000	-2: 2 3/8: 1.78	
6,775.9			22020	80222	2 3/8in, Tubing; 6.7	68.00-6,800.00; 32.00; 2-3; 2
6,799.9					3/8: 2.00	
6.847.1				1000		
6,863.8			22922	19295 193050		: 6,864.00-6,865.00; 1.00; 1-2;
6.865.2			2000	0505	2 3/8 6.847.0-6.903.0ftK9	on 4/20/1983 00:00: 6,847.00
6.902.9			() () () () () () () () () () () () () (18986	-6,903.00: 1983-04-2	
6.911.1					Float Collar 41/24	6.911.00-6.912.00: 1.00: 2-6
6.912.1				0000	4 1/2 4.00	
6.942.9					Casing, 4 1/2in; 6.9	12.00-6,954.00; 42.00; 2-7; 4
6.954.1					1/2 - 10	
0.924.1				A 1999	Shan 4 1/2in 6 054	00-6.955.00: 1.00: 2-8: 4 1/2

District I 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

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	66166
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

CONDITIONS	5	
Created By	Condition	Condition Date
kpickford	CBL Required.	12/14/2021
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	12/14/2021
kpickford	Plug #3, Mancos plug is inside /outside	12/14/2021
kpickford	Add a plug 3240'-3140' to cover the Chacra top @ 3190'.	12/14/2021
kpickford	Extend the Kirtland/Ojo Alamo plug 1730'-1430' to cover the Ojo Alamo top @ 1480'.	12/14/2021

CONDITIONS

Page 6 of 6

Action 66166