Submit 1 Copy To Appropriate District State of New		D Received	Form C-103
Office Energy Minerals and I	Netural Resource 5/13	8/2020 Revi	sed July 18, 2013
<u>District I</u> – (575) 393-6161 Energy, Willerars and I 1625 N. French Dr., Hobbs, NM 88240	Natural Resources	WELL API NO.	sed July 10, 2015
District II (575) 748 1283		30-045-32690)
Districting (3/3) (48-1283) 811 S. First St., Artesia, NM 88210 OIL CONSERVATI		5. Indicate Type of Lease	
District III – (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410		STATE FE	E 🖂
<u>District IV</u> – (505) 476-3460 Santa Fe, NM	A 87505	6. State Oil & Gas Lease No	р.
1220 S. St. Francis Dr., Santa Fe, NM 87505			
SUNDRY NOTICES AND REPORTS ON WE		7. Lease Name or Unit Agre	eement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN O			
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-10	01) FOR SUCH	ALAMO 22	
PROPOSALS.) 1. Type of Well: Oil Well Gas Well Other		8. Well Number	
		8	
2. Name of Operator		9. OGRID Number	
HILCORP ENERGY COMPANY		372171	
3. Address of Operator		10. Pool name or Wildcat	
382 Road 3100, Aztec, NM 87410		Basin Dakota	
4. Well Location			
Unit Letter <u>H</u> : <u>2235</u> feet from the <u>North</u> line and	660 feet from the East	<u>t l</u> ine	
Section 22 Township 31N	Range 13W	NMPM County Sar	Juan
11. Elevation (Show whether	· DR, RKB, RT, GR, etc		
5	607' GL		
12. Check Appropriate Box to Indicat	te Nature of Notice.	Report or Other Data	
NOTICE OF INTENTION TO:	SUE	BSEQUENT REPORT C)F:
PERFORM REMEDIAL WORK D PLUG AND ABANDON	REMEDIAL WOR		G CASING 🔲
TEMPORARILY ABANDON	COMMENCE DF	RILLING OPNS. P AND A	
PULL OR ALTER CASING DULTIPLE COMPL	CASING/CEMEN	ІТ ЈОВ	
			_
OTHER:	OTHER:		
13. Describe proposed or completed operations. (Clearly state			
of starting any proposed work). SEE RULE 19.15.7.14 N proposed completion or recompletion.	MAC. For Multiple Co	impletions. Attach wendore di	agrain or
proposed completion of recompletion.			
Hilcorp Energy Company requests permission to P&A the subject v	well per the attached pro	ocedures, current and proposed	wellbore
schematics. A closed loop system will be used.	1 1		
COAs, add the following plugs:		·.	
3470'-2625.' OCD MV pick 3420,' Chacra pick @ 2675.' It			
3470-2023, UUT VIV DICK 3420 , UHACIA DICK (u) 2073, H	nside/outside plug	Notify NMOCD 24hrs	
		Notify NMOCD 24hrs	
1828'-1350.' OCD PC pick @ 1778,' Fruitland pick @ 1425		Prior to beginning	
1828'-1350.' OCD PC pick @ 1778,' Fruitland pick @ 1425		Prior to beginning	
1828'-1350.' OCD PC pick @ 1778,' Fruitland pick @ 1425		Prior to beginning	
1828'-1350.' OCD PC pick @ 1778,' Fruitland pick @ 1425		Prior to beginning	
1828'-1350.' OCD PC pick @ 1778,' Fruitland pick @ 1425 Mancos portion of plug #2, inside/outside.		Prior to beginning	
1828'-1350.' OCD PC pick @ 1778,' Fruitland pick @ 1425		Prior to beginning	
1828'-1350.' OCD PC pick @ 1778,' Fruitland pick @ 1425 Mancos portion of plug #2, inside/outside.		Prior to beginning	
1828'-1350.' OCD PC pick @ 1778,' Fruitland pick @ 1425 Mancos portion of plug #2, inside/outside. Spud Date: Rig Release	e Date:	Prior to beginning operations	
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1828'-1350.' OCD PC pick @ 1778,' Fruitland pick @ 1425 Mancos portion of plug #2, inside/outside. Spud Date: Rig Releas I hereby certify that the information above is true and complete to t SIGNATURE <u>Amanda Walker</u> TITLE <u>Operations/</u> Type or print name Amanda Walker E-mail address: For State Use Only Image: Complete to t	e Date:	Prior to beginning operations ge and belief. <u>- Sr. DATE 5/19/2020</u>	

KP



Hilcorp Energy Company ALAMO 22 8 Plug and Abandon - NOI API #: 3004532690

PROCEDURE

Hold a pre-job safety meeting prior to beginning all operations or during a change in operational scope or initiation of SIMOPs. Properly document all operations via the JSA process. Insure that all personnel onsight abide by HEC safety protocol, including PPE, housekeeping, and standard guidelines. Verify cathodic protection is off and wellhead instrumentation is properly disconnected from wellhead. Comply with all NMOCD, BLM, and HEC safety and environmental regulations. Verify there is no H2S present prior to beginning operations. If H2S is present, take the necessary actions to insure that the operation is safe prior to beginning operations. Observe and record pressures across all strings daily, prior to beginning operations. **Notify NMOCD 24 hours in advance of beginning operations**

NOTE: this procedure is contingent upon P&A sundry approval by the NMOCD. All cement volumes use 100% excess outside pipe and 50' excess inside (unless stated otherwise). All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield. 8.3 ppg fluid will be used to balance the well during this operation.

- 1. RU slickline on LS. RIH and clear tbg w/ a broach/gauge ring. Attempt to fish any obstructions. Set 3-slip stop, if necessary. RD slickline
- 2. MIRU workover rig. Check casing, tubing, and bradenhead pressures. LOTO pumping unit on SS and remove horses head and bridle. RU blow down lines from the csg to the rig tank and blow down pressure on both strings of tbg and csg, if necessary
- 3. Unseat pump and TOOH with rod string, while inspecting for wear, corrosion, scale, etc.
- 4. Load well, ND flow-T, NU dual BOPs w/ offset spool/elevators/rams. Pressure and function test BOPs to 150/1500 psi.

NOTE: Verify date of last charted BOPE test and ensure 30-day interval will not be exceeded during estimated job duration. *If 30-day interval is expected to expire during job, perform charted low and high pressure test on the BOPE (pipes/blinds/safety valve).* Record pressure test in WellView.

- 5. PU on SS (check string weight), remove hanger. POOH visually inspecting tbg and laying down.
- 6. PU MS and workstring w/ turned down collars, wash off on top of packer and CO with air, if necessary. POOH
- 7. Change over offset spool/elevators/rams. PU on LS (check string weight), unseat 81-32 seal assembly and remove hanger, POOH visually inspecting tbg and laying down.
- 8. <u>PLUG #1:</u> RIH w/ workstring, M&P 17 sx Class G cement plug f/ 6430-6222' to isolate the DK perfs (6372-6424') and cover the DK sand top. PUH, WOC, LIH and tag TOC

Procedure cont'd on following page



PROCEDURE CONT'D

- 9. <u>PLUG #2:</u> PUH, M&P 138 sx Class G cement plug from 5576-3974' to cover the GL and Mancos sand tops, the IC shoe and the liner top. PUH, WOC, LIH and tag TOC.
- 10. <u>PLUG #3:</u> PUH, M&P 110 sx Class G cement plug from 3420-2898' to cover the MV and Chacra sand tops. PUH, WOC, LIH and tag TOC, POOH
- 11. RIH w/ 7" scraper to 1600', POOH.
- PLUG #4: RIH w/ 7" CICR and set at 1582'. EIR, M&P 115 sx Class G cement inside/outside plug to cover the PC sand top and FRC perfs (1632-1744') from 1829-1532'. Leave 95 sx below the CR and 20 sx on top. PUH, CO on top of plug. PT csg.
- 13. <u>PLUG #5:</u> PUH, M&P 29 sx Class G cement plug from 1225-1125' to cover the Fruitland sand top. PUH, CO on top of plug, POOH.
- 14. <u>PLUG #6:</u> PUH, M&P 87 sx Class G cement plug from 400' to surface to cover the surface casing shoe, Kirtland, and Ojo sand tops. Top off if necessary.
- 15. ND BOPs, cut off wellhead below surface casing flange per regulations. Top off w/ cement, if necessary. Weld top cap and install P&A marker. RDMO

Hilcorp Energy Company

Current Schematic

Well Name: ALAMO 22 #8

API/UWI 3004532690		Surface Legal Location Field Name H-22-31N-13W BASIN		Route 0202	State/Provinc NEW ME		Well Configuration Type Vertical	
Ground Elevation 5,607.00		Original KB/RT Elevation (ft) 5.619.00	KB-Ground Distance (ft) 12.00	KB-Casing Flar	and the second	K5-Tubing Hange		
					Markets	70		
		Vertica	al, ORIGINAL HOLE, 5/1	8/2020 11:00:17	AM			
MD (ftKB)	TVD (ftKB)		Vertical s	chematic (actual)				
0012038	1200	a se transfer de la secta de la transfer de la secta de la sec			a tana ang wang tang ta	1. 1. 1. 1. 1 . 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
12.1	12.1				Polished Ro	t w/Liner: 22.00 ft		
29.9	29.9	Tubing; 2 3/8 in; 12.16 ftK	B; 43.64 ftKB		Pony Rod; 8.00 ft.			
43.6	43,6				Pony Rod; 6	00 ft		
49.9	49.9	Tubing; 2 3/8 in; 43.64 ftK	B; 53.83 ftKB		Pany Rod; 6.00 ft			
53.8	53.8	Tubing: 2 3/8 in: 53.83 ftK	B: 61.95 ftKB			49/70		
65.9	65.9	Tubing; 2 3/8 in; 61.95 ftK	B; 65.98 ftKB					
105.0	105.0	Tubing; 2 3/8 in; 65.98 ftK	в; 67.28 ftKB		casino as fo	lows; pump 10 bbls	5; Rig up Halliburton, cement water ahead, pump 350 sks at 155 pm, dron plup, displace	
- 05.800 Western	100000	— Ojo Alamo (final)————			with 22.7 bb	s water, plug down late 15 bbls good ce	at 15.6 ppg, drop plug, displace at 15:11 hrs 12/28/2005, had full ment	
284.8	284.8	1; SURFACE CASING; 9 5/8 in; 8			Sucker Rod	1,625.00 ft 00-2,003.00: 1/15/20	05: Cement second state as	
331.0	331.0		; 331.00 ftKB		W/3#isk pher	to seal at 12 ppg for	, cement with 225 sks PBR ill lead slurry, 110 sks STD w/.3% for tall slurry, drop plug,	
350.1	350.1	KinTubing; 2 3/8 in; 12.00 ftKB; 1 FrTubing; 2 3/8 in; 67.28 ftKB; 1	1.1.1.		displace with (2/22/05)	178 bbls water, plug	down at 11:11. Verified by CBL	
1,631.9	1,631.8	PERF - FRUITLAND COA	AL; 1,632.00-		ball sealers.	Hydraulic Frac; 5/12/2006; 1,000 gal 15% FE acid, drop 62 bio ball sealers. Frac w/ 70 sx 20/40, 44,990 gal silversilm LT Frac ? uld. ISIP: 1203#, max #: 2578		
1,682.1	1,682.0	1,682.0	10, 3/20/2006		-Sinker Bar; 8	i0.00 ft	gal 15% acid, bio ball sealers.	
1,727.0	1,726.9	PERF - FRUITLAND COA			Frac w/ 103 bpm, avg ra	139#. Max psl: 2464 e: 41.4 bpm	, avg psl: 2181, max rate: 41,5	
1,743.1	1.743.0	Profile Nipple; 2 3/8 in; 1	00; 3/1/2006 ,742.71 ftKB;		Rod Insert P	ump; 16.00 ft		
0.000	1,/43.0	Perforated Joint; 2 3/8 in; 1	743.81 ftKB					
- 1,744.1 -	1,744.0		,749.79 ftKB				2006; Cement first stage as ppg. 115 sks PBR II w/3#kk	
1,778.9	1,778.7	Tubing; 2 3/8 in; 1.749.79 ftKB; 1 Bull Plug; 2 3/8 in; 1.781.16 ft	1,781.16 πKB		pheno seal a	t 12 ppg for lead slu t 13 ppg for tall slum	rry, 50 sks PBR II w/3 #isk v. drog plug, displace with 68	
1,781.8 -	1,781.7		ftKB		Cement Square a	nd 110 bbis mud. plic Jeeze; 4,056.00-4,82 0 sacks 50/50/STD 8	down at 04 6.00; 2/21/2006; Pump cement POZ 2% gel-3# gilsonite, 13.5#,	
1,897.0	1,896.8	Permanent Packer; 2 3/8 in; 1	,897.03 ftKB		yeld 1.31 5.5 Cement Squ	3 gals/sack total silu leeze (plug); 4,714.	ry 18.6 bbis 00-4,826.00; 2/21/2006; Pump	
2.003.0	2,002.8				glisonite, 13	Hows 80 sacks 50/5 5≢, yeld 1.31 5.53 g	0/STD/POZ 2% gel-3# als/sack total slurry 18.6 bbls	
3,365.2	3,354.8	— Chacra (final)————			cement cast	ng as follows: pump	2006; rig up Halilburton, 20 bbls chem wash, 10 bbls Dakota lite w/1% halad-9, .2%	
124800-00		-Cliff House (final)			hr-5, 3#/sk p	heno seal at 12.5 pp	g for lead slurry, 50 sks STD 5 ppg for tall slurry. Wash sce w/ 100 bbl H2D, plug down	
3,579.1	3,578.7	— Menefee (final)			© 01:15 hrs	ne, grop plug, displa 01/19/06. Had no re ure	ace ŵ/ 100 bbi H2D, plug down aturns, none planned. Had 600	
4,056.1	4,055.7	Tubing; 2 3/8 in; 1,897.03 ftKB; 6	6,396.09 ftKB				1,500 psi for 30 minutes.	
4,591.9	4,591.4		7 in: 6 37 in:		TOC @ 484	7 per CBL on 2/5/200 7 per 3/02/06 rig rep	06. ert	
4,596.1	4,595.7	2; INTERMEDIATE CASING; 12.00 ftKB; Description: INT	ERMEDIATE		Primary (plu cement cast	g); 6,390.00-6,434.0 ng as follows: pump	0; 1/19/2006; rig up Halliburton, 20 bbls chem wash, 10 bbls	
4,819.9	4,819.4	; 4 SQUEEZE PERFS; 4,820.0	4,596.00 ftKB		water ahead hr-5, 3#/sk p	cement with 75 sks heno seal at 12.5 pp	Dakota lite w/1% halad-9, 2% g for lead slurry, 50 sks STD	
4,839.9	4.839.4				pumps and l	ne, drop plug, displa 01/19/06. Had no re	5 ppg for tall slurry. Wash sce w/ 100 bbl H2O, plug down sturns, none plarned. Had 600	
1997-1997-1997-1997-1997-1997-1997-1997		~Gallup (final)					sturns, none planned. Had 600	
6,240.2	6,239.6	Green Horn (final) Grane Profile Nipple; 2 3/8 in; 6	200 00 #// 0 / 20		-	ssure test casing to 7 per CBL on 2/5/200	1,500 psi for 30 minutes. 06.	
6,372.0	6,371.5	Half MS Collar; 2 3/8 in; 6	,396.96 ftKB;		Hydraulic Fr	² per 3/02/06 rlq rep ac; 2/12/2006; Frac:	ort. 130,000#, 70Q Foam, Max psi:	
6,396.0	6,395.5	PERF - DAKOTA; 6,372.	00 6 424 00		/ ISIP: 4174, 5	min: 2683, 10 min:	5.1 bpm, avg rate: 13.0 bpm, 2590, 15 min: 2546 n and acidize the Dakota	
6,397.3	6,396.8		2/10/2006		formation wi sealers.	th 1000 gals of 15%	acid, dropping 48 blo-ball	
6, <mark>4</mark> 30.1	6,429.6	Bridge Plug - Temporary; 6,430 3; PRODUCTION CASING; 4 1/	2 in; 4.00 in;		(Had very II	tie ball action).		
6,433.1	6,432.5	4,024.00 ftKB; Description: PR	ODUCTION -					
0.659.9559.00		PBTD; 6,434.00; Compl Rpt	1920 -	188				

ALAMO 22 8 API: 3004532690

Proposed P&A

