Office State of New Mexico	Form C-10	US
District I Energy, Minerals and Natural Re	esources March 4, 20	004
1625 N. French Dr., Hobbs, NM 88240	WELL API NO.	
District II 1301 W. Grand Ave. Artesia, NM 88210 OIL CONSERVATION DIV	30-015-33320	1
1301 W. Gland Avc., Artesia, 1401 60210	5 Indicate Type of Lease	
District III 1220 South St. Francis I 1000 Rio Brazos Rd., Aztec, NM 87410	Or. STATE S	
District IV Santa Fe, NM 87505	6. State Oil & Gas Lease No.	
1220 S. St. Francis Dr., Santa Fe, NM	o. Suite off & Gus Deuse 110.	
87505		- 1
SUNDRY NOTICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name	•
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BAG	CK TO A	
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUC	Catclaw Draw Unit	
PROPOSALS.)	8. Well Number	
1. Type of Well:	18	
Oil Well Gas Well Other	10	
2. Name of Operator	9. OGRID Number	
HEC Petroleum, Inc. (Formerly Hallwood, c/o Pure Resources, L. P.)	DEIVED 9. OGRID Number 9812	į
• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	
JUN	0 4 2004	
3. Address of Operator	10. Pool name or Wildcat	
	ARTESIA Catclaw Draw; Morrow (Pro Gas)	
Midland, Texas 79701		
4. Well Location		
		İ
Unit Letter D : 1,310' feet from the North line and	l 1,310' feet from the West line	
Section 23 Township 21S Rang	ge 25E NMPM County Eddy	I
11. Elevation (Show whether DR, RKB,		1000
3,366' GR	, AI, GR, cic.)	
	of Niction Department of the Det	
12. Check Appropriate Box to Indicate Nature		
	CUDCECHENT DEDODT OF.	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:	
	SUBSEQUENT REPORT OF:  #EDIAL WORK ☐ ALTERING CASING [	
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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

Pit or Below-Grade Tank Registration or Closure

	elow-grade tank  Closure of a pit or below-grade ta	ank 🗌
Operator:Telephone:	e-mail address.	
Address:		
Facility or well name: API #:		R
County:LatitudeLongitude		
Pit	Below-grade tank	
Type: Drilling Production Disposal	Volume:bbl Type of fluid:	
Workover ☐ Emergency ☐	Construction material:	
Lined Unlined	Double-walled, with leak detection? Yes  If not	, explain why not.
Liner type: Synthetic Thicknessmil Clay Volume		
bbl		
	Less than 50 feet	(20 points)
Depth to ground water (vertical distance from bottom of pit to seasonal high	50 feet or more, but less than 100 feet	(10 points)
water elevation of ground water.)	100 feet or more	( 0 points)
W. III	Yes	(20 points)
Wellhead protection area: (Less than 200 feet from a private domestic	No	( 0 points)
water source, or less than 1000 feet from all other water sources.)		
Distance to surface water: (horizontal distance to wetlands, playas,	Less than 200 feet	(20 points)
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)
inigation canals, diteries, and perciniar and opinineral watercoarses.)	1000 feet or more	( 0 points)
	Ranking Score (Total Points)	
If this is a pit closure:	J	<u> </u>
(1) attach a diagram of the facility showing the pit's relationship to o	ther equipment and tanks.	
(2) Indicate disposal location: onsite  offsite  If offsite, name of	facility	
(3) Attach a general description of remedial action taken including rem		
(4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth belo		results
(5) Attach soil sample results and a diagram of sample locations and ex		
I hereby certify that the information above is true and complete to the best of been constructed or closed according to NMOCD guidelines.  Date:		above-described pit or below-grade tank ha
Printed Name/Title	Signature	
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the regulations.	relieve the operator of liability should the contents of	the pit or tank contaminate ground water or
Approval:		
Date:		
Printed Name/Title	Signature	

# Pure Resources, Inc. Well History

## CATCLAW DRAW UNIT #18 - 79.29% WI From 1/1/1920 through 6/3/2004

State: NM	County:	EDDY					
Activity Date 5/4/2004		т	ype of Repo	rt: DRILLING		INITIAL	. REPORT
Description DR	Y DRLG.						
Times	Hou	ıre	Remarks				
	24.0		MIRU NAE	8-233'. LOST RE			/2" HOLE @ 2:30 P.M. 4/3/0 0-233'. BIT TRIP @ 196'.
Daily Cost	Cum Cost	AFE Amount	11	Current Depth	Ftg Made	Mud Wt.	
\$208,169	\$208,169	\$1,206,800	1030562	233	175		`
Activity Date 5/5/2004		7	ype of Repo	rt: DRILLING		PROGI	RESS REPORT
Description CIR	C CONDITION	ED MUD.					
Times	Hou	ırs	Remarks				
111100	6.00	_		933-303' W/ 35K. 1	120 RPM DRY	DRILLED 1	TO 290', PARTIAL RETURNS
			303' FULL	RETURNS.		5111222	
	0.50			CONDUCTOR PI			
	5.00			303-382' W/ 35K, 1	IOU RPM. FUL	LKEIUKNS	<b>)</b> .
	0.50		SERVICE		IOO DDM 5'"		
	1.75			382-400' W/ 35K, 1		LRETURNS	<b>5</b> .
	1.00			WEEPS. DROP S		300 MAY	DDAO 451/
	1.75			MTG. LD 3 JTS. 1		JOG. MAX	DRAG ISK.
	1.00			MTG. RU CSG CF		D @ 2021	
	0.75			S 13-3/8" 48# H-4		•	
	1.75 1.50			MTG. RU WASHE MTG. RD BJ. LD		•	ACK 6 ITS
	1.50			MTG. RUBJ. LU MTG. PUBIT. TIF		3G. 3E1 D/	10K 0 3 1 3.
	1.00			MTG. PU KELLY,		MASH E/3	003-4004
	1.00	,		ERSONS ON LOC		WAGIII72	.33 <del>-400</del> .
Daily Cost	Cum Cost	AFE Amount		Current Depth	Ftg Made	Mud Wt.	
\$25,180	\$233,349	\$1,206,800	1030562	400	167	8.40	
							DESC DEDODE
Activity Date 5/6/2004 Description NU			ype of Repo	ort: DRILLING	l	PROG	RESS REPORT
•			_				
Times	Hou		Remarks	NE E4070 2001 1	DAIGE 1/10 TO	00 01 1401	10 0WEEDO (DEOO) (EDED
	5.50	)	GRAVEL).			,	NG SWEEPS (RECOVERED
	1.00			303-400'. BRIDGI			
	1.00					•	BO BBLS 70 VIS MUD.
	1.00			MTG. LD 3 JTS D		JN 13-3/8" (	SG.
	0.50			MTG. RU CSG CF			
	1.00	)	SAFETY I @ 354.55'		403.11' 13-3/8	" 48# H-40 S	ST&C. LAND @ 400', FLOA"
	0.50	)	RU BJ, CI	RC CAPACITY OF	F CSG - NO FI	LL.	
	1.00	)	MIXED 14 BWOC BE GL/WTR,	.8 PPG, 1.52 CU/F ENTONITE, 1/4# S 200 SX "C" 2% C/	FT, 8.18 GL/W SX CELLOFLAN ACL2, 25 PPS	TR, 200 SX (E, MIXED 1 CELLOFLA	/4# CELLOFLAKE, 1% CACI 35:65 POZ "C", 2% CACL2, 2.5 PPG, 1.97 CU/FT, 10.7 (E, MIXED 14.8 PPG, 1.35
	4.00	1	WAIT ON	35 GLWTR. CIRC	J 200 3A, 70 B	DLO.	
	2.00			CONDUCTOR. V	VELD CONDU	CTOR TO 11	3-3/8"
	3.00		SAFETY I	MTG. CUT OFF 1	3-3/8" CSG. V		3-3/8" SOW X 13-5/8" 3K LPC
	0.5	_		.D. TEST TO 500 " 10K STACK.	P31.		
	3.50	J	140 13-5/0	TOR STACK.			
	3.50	J		ERSONS ON LOC	CATION 41.		
Daily Cost \$27,808	3.50 Cum Cost \$261,157	AFE Amoun \$1,206,800	NO. OF P		CATION 41.  Ftg Made	Mud Wt.	

Description DRLG 12-1/4" HOLE - BURYING BHA.

	Times	<b>Hou</b> 14.0	_	Remarks						
		14.0	^							
			o	5/8" 10K MANUAL (BLINDS	SINGLE RAM (4-1/2 . 4" 10K HYD, 2 - 2" BOTTOM, 4-1/2" PI " HYD FLOWLINE V	2" PIPE RAMS 10K MANUAL PE TOP), 13-	), 13-5/8" 10 .2" 10K CHE 5/8" 5K ANN	8" 10K SPACER SPOOL, 13- DK MUD CROSS W/ 4" 10K ECK, 13-5/8" 10K DOUBLE ULAR, 13-5/8" ROTATING MANIFOLD W/ 1 MANUAL		
		0.50		SAFETY	MTG. TEST TO 50	0 PSI: CSG, E	LINDS, CHO	OKES.		
		0.50			MTG. PU BIT, BHA	•				
		0.50		SAFETY	MTG. TIH TO 297'.					
		0.50		SAFETY	MTG. TEST CSG,	PIPE RAMS, I	HYDRIL.			
		0.50		SAFETY	MTG. PU DC. TAG	3 @ 351'.				
		4.00		DRLG FL	OAT, 46' OF CMT V	N/ 50 RPM, 30	K.			
		3.50			400-448' W/ 50 RPI					
				NO. OF F	PERSONS ON LOCA	ATION 18.				
Da	ily Cost	Cum Cost	AFE Amount	AFE#	Current Depth	Ftg Made	Mud Wt.			
\$4	42,464	\$303,621	\$1,206,800	1030562	448	48	8.40			
Activity Dat	te 5/8/2004		T\	pe of Rep	ort: DRILLING		PROG	RESS REPORT		
-		3 12-1/4" HOL	E W/ 95% RET							
	•	Hou								
	Times	7.00		Remarks		0 PDM 75 R	DM (Δ\/C 14	.7 FPH). BHA OUT OF CSG.		
		0.25			MTG. WLS @ 501'			.7771). BIA 001 01 039.		
		2.75			_		1 RPM (Δ\/(	3 42 5 EPH)		
		0.25		DRLG F/ 551-868' W/ 45-55K, 90 RPM, 14.1 BPM (AVG 42.5 FPH).  BOP DRILL (WALK THRU W/ DAYLIGHT CREW).						
		4.75		DRLG F/ 868-882' W/ 55-82K, 90 RPM, 14.1 BPM (AVG 45.1 FPH).						
		0.25		BOP DRILL (WASL THRU W/ MORNING CREW).						
		3.25		DRLG F/ 882-1069' W/ 50K, 90 RPM, 7.5 BPM (AVG 57.5 FPH).						
		0.50			•	· ·	•	BBLS TO BREAK CIRC.		
		5.00			1069-1287' W/ 50K					
				NO. OF PERSONS ON LOCATION 18.						
Da	ily Cost	Cum Cost	AFE Amount	t AFE# Current Depth Ftg Made Mud Wt.						
	28,445	\$332,066	\$1,206,800	1030562	1287	839				
Activity Dat	te 5/9/2004		T	pe of Rep	ort: DRILLING		PROGI	RESS REPORT		
-	ription RUE	SJ TO CMT.	• •	, po oi ivop	Join Brazilio			NEGO NEI ONI		
2000.	•			Damark						
	Times	<b>Hou</b> 7.50		Remarks	s ' 1287-1627' W/ 50K	00 DDM 7 5	DDM (AVC	4E 3 EDU)		
		1.00					•	SAFETY MTG. WLS @ 1581' -		
		1.00	,		G. TOOK 29 BBLS			3AI ETT MITS. WES @ 1361 -		
		2.00	)	DRLG F	' 1527-1720' W/ 50K	90 RPM, 7.5	BPM (AVG 4	16.5 FPH).		
		0.50	)	SAFETY	MTG. SERVICE R	IG. WALK TH	RU SHUT IN	PROCEDURE.		
		1.00	)	DRLG F/ 1720-1778' W/ 50-K, 90 RPM, 7.5 BPM (AVG 58 FPH).						
		2.50	)	CIRC 2 - DEG @		EPS. RU LAY	DOWN MAC	CHINE. DROP SURVEY - 1-3/4		
		4.00	)	SAFETY	MTG, LD 16 JTS D	P. TRIP OUT	TO LD 8" D	C'S & BHA.		
		1.00	)	SAFETY	MTG. RU CSG CR	REW.				
		3.50	)		MTG. RUN 1780' ( EQPT). TOP SHOE			T&C (WELDED & STRAPPED @ 1731.47'.		
		1.00	)		MTG. RUBJ, CIRC		OF CSG.			
					PERSONS ON LOC	ATION 27.				
ľ	aily Cost	Cum Cost	AFE Amount		Current Depth	Ftg Made	Mud Wt.			
\$	51,623	\$383,689	\$1,206,800	1030562	1778	491	8.4			

.,	•		, , , , , , , , , , , ,		-					
Description DR	LG 29 FPH.									
Times	Hou	rs	Remarks							
	3.50	•	DRLG F/3	3317-3503' W/ 65	5K, 70 RPM, 53.	1 FPH.				
	0.50	1	WLS @ 34	457' - 2-1/2 DEG						
	0.25	i	DRLG F/3	3503-3527' W/ 68	3K, 70 RPM, AV	G 96 FPH.				
	0.75	•				,	GG, 0 PSI DP. SLOW PUMP ROTATING HEAD.			
	0.50	ı.	DRLG F/3	3527-3566' W/ 70	OK, 70 RPM, AV	G 78 FPH.				
	1.00	1	SAFETY N	MTG. SECURE	WELL, DEGAS	FLOWLINE,	WELD CRACK IN FLOWLINE.			
	1.50	1	DRLG F/3	3566-3829' W/ 70	OK, 70 RPM, AV	G 42 FPH.				
	0.50	1	SAFETY !	MTG. SERVICE	RIG. H2S DRIL	.L.				
	7.25	i	DRLG F/3	3629-4003' W/ 70	OK 70 RPM, AV	3 51.6 FPH.				
	0.25	i	BOP DRILL, WELL SECURE 1:43, SPR THRU CHOKE 45 SPM, 350 PSI.							
	7.75	i	DRLG F/ 4	1003-4221' W/ 60	OK, 70 RPM, AV	G 28.1 FPH.				
			MAN HRS	173.						
Daily Cost	Cum Cost	AFE Amount	AFE#	Current Depth	Ftg Made	Mud Wt.				
\$11,340	\$468,651	\$1,206,800	1030562	4221	903					

Times	Hours	Remarks
	0.50	RU 7" RISER W/ PACK-OFF. RU TO LOG.
	3.50	1ST RUN: DLL W/ MSFL, DN, GR, CALIPER. 9-5/8" CSG @ 1775'. ON BOTTOM 10,598' @ 8:00 A.M. LOG REPEATED TO 10,270', TOOL FAILED. POH, REPAIR TOOL.
	1.50	2ND RUN ON BOTTOM 10,597' @ 11:00 A.M. CALIPER WOULD NOT OPEN. PULLED TO 10,400', CALLIPER STARTED WORKING. GOING DOWN TO LOG. STUCK @ 10,520'. WORKED LOOSE. ATTEMPTED TO GO BACK, STUCK AGAIN. CALIPER READS 8.9 THRU THIS INTERVAL. ALL INDICATIONS DIFFERENTIAL STICKING.
	8.00	WORKING STUCK TOOL. CALCULATED 90% PULL OUT, 9480'. MAXIMUM PULLED 7800. SPLICE IN LINE @ 10,400'. TOP TOOL @ 10,389', BOTTOM TOO 10,530'.
	1.00	SAFETY MTG. RU TO CUT & THREAD. HANG OFF, CIRC'G SUB NOT ON LOCATION.
	5.00	WAIT ON HANG-OFF, CIRC'G SUB.
	2.50	SAFETY MTG. CUT LINE. INSTALL DISCONNECTS. HUNG SHEAVE IN DERRICK. SAFETY MTG (HOW TO INSTALL HANG OFF, CIRC'G SUB).
	0.75	SAFETY MTG. PU OVERSHOT.
	1.25	SAFETY MTG. STRIP OVER WL W/ OVERSHOT.  MAN HRS 256.

AFE # Current Depth

10615

1030562

Ftg Made

Mud Wt.

**AFE Amount** 

\$1,206,800

**Cum Cost** 

\$741,065

**Daily Cost** 

\$19,276

Activity Date 5/31/2004  Description RIG RELE	ASED.	Type of Report:	DRILLING	FINAL REPORT
Times	Hours	Remarks		
	6.50		· · · · · - · · · · · - · · · ·	NG PRODUCTION 246 JTS 5-1/2" CSG DAT SHOE @ 10,807.36', FLOAT COLLAR @
	1.25	SAFETY MTG.	RU BJ, WASHED	12'. CIRC CAPACITY OF CSG. CSG WT 161K.
	3.50	SCF/BBL), 500 + .60% FL-52 + GL/WTR, 515 \$	GAL MUD CLEAN, · .25% R-31 + 14% 0 SX 50:50:2 "H" + .60	0 5000 PSI. PUMPED 150 BBLS N2 MUD (100 10 BBLS WATER. CMT W/ 1520 SX 50:50:10 "H" CELLOFLAKE MIXED 11.6 PPG, 2.4 CF, 14.17 % FL-52 + .20% SMS MIXD 14.2 PPG, 1.26 CU V/ FRESH WATER. CIRC 43 SX, 20 BBLS. CSG
	0.25	SAFETY MTG.	TESTED CSG TO	3000 PSI.
	0.50	SAFETY MTG.	RD CEMENTERS.	RU ND CREW.
	1.00	SAFETY MTG.	PU BOP.	
	1.25	SAFETY MTG.	SET SLIPS ON 5-1	/2" 157K). CUT OFF 5-1/2".
	6.25	SAFETY MTG.	SET DOWN BOP.	ND, SET OUT BOP.
	1.50	SAFETY MTG. PSI.	INSTALLED 11" 5h	( X 7-1/116" 5K "C" SECTION. TESTED TO 5000
	2.00	SAFETY MTG.	JET PITS.	

	RIG RELEASED @ 6:00 A.M. 5/31/04. MAN HRS 347.										
Г	Daily Cost	Cum Cost	AFE Amount	AFE #	<b>Current Depth</b>	Ftg Made	Mud Wt.				
L	\$159,945	\$1,041,993	\$1,206,800	1030562	10615						

## **TUBING BREAKDOWN AS OF ROD BREAKDOWN AS OF FAILURES AS OF**

#### **CASING HISTORY REPORT**

						1		

Location 1310' FNL & FWL, SEC 23, 21S, 26E **TD Date 5/4/2004** 

**TD Hole Time** 

Total Depth: 400

Hole Size: 17-1/2"

Joints Ran Joint Description

Total Footage Running Ftg.

13-3/8" 48# h-40 csq

400.00

400.00

**Total Joints Ran** 

400.00

#### Cemented as follows:

**Top Cement:** 

Stage 2 - 200 SX 35:65 POZ "C", 2% CACL2, 4% BWOC BENTONITE, 1/4# SX CELLOFLAKE, MIXED 12.5 PPG, 1.97 CU/FT, 10.7 GL/WTR, (YLD:1.97, WT:12.5)

Tail: 200 SX "C" 2% CACL2, 25 PPS CELLOFLAKE, MIXED 14.8 PPG, 1.35 CU/FT, 8.35 GL/WTR (YLD:1.35, WT:14.8)

Stage 1 - 180 SX "H" 10% A-10, 10# SX GILSONITE, 1/4# CELLOFLAKE, 1% CACL2. MIXED 14.8 PPG, 1.52 CU/FT, 8.18 GL/WTR (YLD:1,52, WT:14.8)

#### Comments

#### 1stintermediate Level:

Location 1310' FNL & FWL, SEC 23, 21S, 26E

**TD Date** 5/9/2004

**TD Hole Time** 

Total Depth: 1778

Hole Size: 12-1/4"

Joints Ran	Joint Description	Total Footage	Running Ftg.	
-	FLOAT SHOE	1.35	1.35	
1	9-5/8" 36# J-55 CSG	43.96	45.31	
	FLOAT COLLAR	1.22	46.53	
39	9-5/8" 36# J-55 CSG	1736.51	1783.04	

## **Total Joints Ran**

1783.04

**Top Cement:** 

Cemented as follows:

Stage 1 - 600 SX "C" (YLD:1.95, WT:12.5)

Tail: 200 SX "C" (YLD:1.34, WT:14.8)

#### **Comments**

#### PRODUCTION LEVEL

Location 1310' FNL & FWL, SEC 23, 21S, 26E

**Total Joints Ran** 

TD Date 5/26/2004 Total Depth: 10615 Hole Size: 8-3/4" **TD Hole Time** Joints Ran Joint Description Total Footage Running Ftg. **FLOAT SHOE** 1.10 1.10 1 5-1/2" 17# P-110 LT&C CSG 43.69 44.79 245 5-1/2" 17# P-110 LT&C CSG 10566.32 10611.11 FLOAT COLLAR 1.25 10612.36

### 246 Cemented as follows:

**Top Cement:** 

10612.36

Stage 1 - 1520 SX 50:50:10 "H" + .60% FL-52 + .25% R-31 + 14% CELLOFLAKE MIXED 11.6 PPG, 2.4 CF, 14.17 GL/WTR, (YLD:2.4, WT:11.6)

Tail: 515 SX 50:50:2 "H" + .60% FL-52 + .20% SMS MIXD 14.2 PPG, 1.26 CU FT, 5.698 GL/WTR. DISPLACED W/ FRESH WATER. CIRC 43 SX, 20 BBLS. CSG WT 153K. (YLD:1.26, WT:14.2)

#### Comments