

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

RECEIVED

2. Name of Operator HEC Petroleum, Inc. (9812)

JUL 01 2005

3a. Address
500 W. Illinois Midland, Texas 797013b. Phone No. (include area code)
432 498-8662

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1,117' FNL & 1,147' FWL
UL D, Sec. 24, T-21-S, R-25-E

5. Lease Serial No.

NM 0374057A

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA/Agreement, Name and/or No.

Catclaw Draw Unit (4876)

8. Well Name and No.

Catclaw Draw Unit #19

9. API Well No.

30-015-33882

10. Field and Pool, or Exploratory Area

Catclaw Draw; Morrow (Gas)(74320)

11. County or Parish, State

EDDY County, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other Initial Completion
			Work Sundry
			(Page 1)

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Completion of New Well - PAGE 1.

On 4/18/2005, MIRU Pool DPU, SICP=0, set pipe racks, unload & strap 351 jts 2-7/8" L-80 tbg., NUBOP (7-1/16"x10Kpsi), MU 4-1/2" bit, casing scraper, SN. PU L-80 tbg, RIH & tag PBTD @ 10,665'-tbg. measurement. Spot 7% KCL water from 8000' to 10,665'. PU tbg to 8250', RU swab. On 4/20/2005, swab tbg & csg down to 8100', wait one hr.-no fluid entry. RD Swab Unit, POH w/tbg, ND BOP, NU two 7-1/16" frac valves & frachead. RU Gray WL, 5K greasehead. Perf Morrow "C" zone w/4SPF f/10,552'-10,594' (84 holes), no pressure increase. RD WL. On 4/22/2005, RU Halliburton, hold safety mtg., test lines, frac Lower Morrow formation 10,552'-10,594' w/41,500g 70Q 40# Purgel 111 LT + 39,500# 20/40 Super DC proppant @ avg press of 3,549psi & avg rate of 29.5 BPM. RU Gray WL, RIH w/guage ring to 10,550', POH, RIH w/ composition BP & set @ 10,500'. Perf Upper Morrow formation w/4SPF f/10,326'-10,426' (40 holes). Frac Upper Morrow f/10,326'-10,426' w/33,000g 70Q 40# Purgel 111 LT + 31,500# 20/40 Super DC proppant @ avg press of 5,532psi & avg rate of 30 BPM. RD Halliburton, leave well SI for two hrs. Open well up on 16/64" choke w/4,200psi, flowed well back, RU Halliburton 1-1/2" coil tbg unit, RIH drlg on comp. BP @ 10,500'. On 4/23/05, finish drlg comp BP @ 10,500', wash to 10,675'-coil tbg measurement, circ & clean hole w/ N2. POH, RD HOWCO, well not flowing. On 4/24/2005, open well up & flowed back-no fluid recovery. On 4/25/2005, blow well down, no fluid recovered. RU Gray WL, RIH w/4.7" JB & guage ring, tag fill @ 10,643'. POH, MU Baker 5-1/2" 17# 10K Hornet pkr., 8' sub, 1.81 F profile nipple, WLEG RIH to 10,220' & set pkr. POH, RD WL, blow well down to 0psi in 1 hr.-no fluid recovered. On 4/26/2005, SICP=300psi, blow well down in 5 min., no recovery. MU Baker on-off tool, RIH w/330 jts 2-7/8" L-80 tbg & latch onto pkr, get measurements, release on-off tool, circ hole w/7% KCL water plus pkr fluid additives, land tbg., ND BOP, NU 2-9/16"x 5K psi tree, test backside to 1000psi for 15 min.-OK.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Alan W. Bohling

Title Regulatory Agent

Signature

Alan W. Bohling

Date

06/24/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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Completion of New Well - PAGE 2.

On 4/27/2005, MIRU Mesa Swab Unit, RU test line to tree, RU swab lubricator, made 24 runs, recovered 45 BW. RU Pro slickline, fish blanking plug @ 10,220', FL @ 3100', R/D slickline unit. SITP=750#, open well up @ 7pm MST on 14/64" choke with flow tester, flowed well 10 hrs, FTP=350# & went to 16/64" choke, yielded 514 MCF, 55 BW, 16% CO2 thru test unit. Flow tested well through flow tester from 4/28/2005 - 5/3/2005, recvd 92 BLW (401 BLWTR), 3931 MCF, no oil. On 5/3/2005, RU Cudd 1.25" Coiled Tubing Unit w/6 jet bull nose, RIH & pump 400 SCF/min of N2 w/1/4 BPM 7% KCL & surfactant, increased N2 to 700 SCF/min @ 9800'. Tag fill @ 10,523'-coiled tubing measurement, increased fluid to 1/2 BPM. Work & jet for 1-1/2 hrs. with no progress. POH jetting. On 5/4/2005, PU Baker 1.69" motor & 1.75" blade bit on Cudd 1.25" Coiled Tubing Unit, pump test motor @ surface. RIH & pump 400 SCF/min N2 & 1/4 BPPM 7% KCL & surfactant, increased N2 to 500 SCF/min @ 10,000'. Tag fill @ 10,253'. CO to 10,620'. POH jetting w/N2 only. RD Cudd & Baker, open to pit & continue flow test. Flow test from 5/5/2005 - 5/11/2005, recvd. 39.3 BLW (338 BLWTR), 6490 MCF, got down to 2.75% CO2. Shut well in. RD flow test unit, sand separator & flare. Now building production facilities & flowline. Well tested on 5/11/2005 through 22/64" choke with FTP=375# @ 1004 MCFPD (2.75% CO2), 0 BWPD, 0 BOPD. Shut well in. On 5/19/2005, RU Pool WL Unit, RIH w/gauges making gradient stops every 2000' to 8000', 9000', 10,000' & mid perf @ 10,460'. Bottom hole pressure = 1,925#, gradient=.0408psi/ft. RD slickline unit. First sales or production = 5/25/2005.

ACCEPTED FOR RECORD

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Alan W. Bohling

Title Regulatory Agent

Signature

Alan W. Bohling

Date

06/24/2005

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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(Instructions on page 2)

WELL: CATCLAW DRAW #19
FIELD: CATCLAW DRAW (MORROW)



A Unocal Company

API # 30-015-33882

Surf Loc: 1117' FNL 1147' FWL Sec 24 T21S R25E

Eddy Co., New Mexico

Elev: GL 3368', KB 3391' (RKB 23')

Spud: 2/20/05 RR 4/4/05

First Sales:

AFE# 1050115 - \$2034000

RR cost = \$1488172

WI = 60% NRI = 49.374

Property code: 591812-0001

Formation Tops

Delaware

Brushy Canyon

Bone Springs Lime

Wolfcamp

Penn

Strawn

Atoka

Morrow

Barnett

TD

10750

11" 5000 x 7 1/16" 10000

13-3/8" 48# H-40 STC @ 405'

Cmtd to surf w/ 390 sx.

8-5/8" 32# J-55 STC @ 1820'

Cmtd to surf w/ 750 sx.

Top job w/ 375 sx. - TOC 1050

Top job w/ foam cmt. - TOC 50'

2 7/8" 6.5# L-80 EUE 8rd

TOC 5509' TS, 5550 CBL

On/off tool w/1.81" F nipple

10k retrv. pkr @ 10220' ,8"x2-3/8" tailpipe, 1.81 R nipple, WLEG

Morrow B Perfs 10326-27, 10405-08, 10412-16, 10422-26 4 spf

Frac w/ 33000 gal 70Q foam and 31,500 # 20/40 super DC

Morrow C Perfs 10552-66, 10587-94 4 spf

Frac w/ 41500 gal 70Q foam and 39,500# 20/40 super DC

5 1/2" 17# P-110 LTC @ 10750'

Cmtd w/ 800 sx.

TOC 5509 TS, 5550 CBL

FC @ 10660

TD 10,750'