

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NM 0374057A							
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr		6. If Indian, Allottee or Tribe Name NA							
2. Name of Operator HEC Petroleum, Inc.		7. Unit or CA Agreement Name and no. Catclaw Draw Unit							
3. Address 500 W. Illinois Midland, Texas 79701		8. Lease Name and Well No. Catclaw Draw Unit 19							
3.a Phone No. (Include area code) (432)498-8662		9. API Well No. 30-015-33882 SI							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 1,117' FNL & 1,147' FWL UL D, Sec. 24, T-21-S, R-25-E At top prod. interval reported below Same At total depth Same		10. Field and Pool, or Exploratory Catclaw Draw; Morrow (Gas) 74320							
14. Date Spudded 02/21/2005		15. Date T.D. Reached 03/28/2005							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/27/2005		11. Sec., T., R., M., on Block and Survey or Area Sec. 24, T21S, R25E							
18. Total Depth: MD 10,750' TVD		19. Plug Back T.D.: MD 10,665' TVD							
20. Depth Bridge Plug Set: MD TVD		12. County or Parish EDDY							
21. Type of Electric & Other Mechanical Logs Run (Submit copy of each) CSL / DLL - Microguard / SFT / SD - DSN		13. State New Mexico							
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)		17. Elevations (DF, RKB, RT, GL)* 3,368' GL / 3,391' KB							
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
36"	20"	Cond.	0'	80'		360sx "H"		Surface	0'
17-1/2"	13-3/8"	48 H-40	0'	405'		390sx "Prem"	94	CIR 81sx	0'
11"	8-5/8"	32 J-55	0'	1,820'		750sx "C"	179	No circ.	0'
					In Annulus	375sx "C"	92	50' by TS	0'
7-7/8"	5-1/2"	17 P110	0'	10,750'		800sx "H"	304	5,509' by TS	0'
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	10,220'	10,220'							
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Morrow B	10,263'	10,536'	10,326' - 10,426'	.40	40	Open			
B) Morrow C (Same Form.)	10,536'	10,630'	10,552' - 10,594'	.40	84	Open			
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval	Amount and Type of Material								
10,326' - 10,426'	Frac'd w/33,000g 70Q foam & 31,500# 20/40 Super DC proppant @ avg. press=5532psi & rate=30.0BPM								
10,552' - 10,594'	Frac'd w/41,500g 70Q foam & 39,500# 20/40 Super DC proppant @ avg. press=3549psi & rate=29.5BPM								
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
5/25/05	5/11/05	24	→	0	1,004	0	N/A	0.60	Flowing
Choice Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
22/64"	SI 375	PKR	→	0	1,004	0		Producing	
Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
SI			→						

APPROVED
JUN 30 2005
ALEXIS C. SWOBODA
PETROLEUM ENGINEER

(See Instructions and spaces for additional data on reverse side)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				T. Delaware Sand	2,001'
				T. Bone Springs	4,059'
				T. Wolfcamp	7,830'
				T. Cisco	8,869'
				T. Strawn	9,325'
				T. Morrow A	10,098'
				T. Morrow B	10,263'
				T. Morrow C	10,536'
				T. Barnett	10,630'

32. Additional remarks (include plugging procedure):

Well was tested and then shut-in until facilities built and pipeline connection made on 5/25/2005.

33. Circle enclosed attachments:

① Electrical/Mechanical Logs (1 full set req'd.)

2. Geological Report

3. DST Report

4. Directional Survey

5. Sundry Notice for plugging and cement verification

6. Core Analysis

① Other *Deviation Apt, 2 pg Completion Sundry, Wellbore Schematic, C-104*

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Alan W. BohlingTitle Regulatory Agent

Signature

*Alan W. Bohling*Date 06/28/2005

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.