

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-101

Revised February 10, 1999

Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copie
Fee Lease - 5 Copie

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address CHEVRON USA INC 15 SMITH ROAD, MIDLAND, TX 79705		² OGRID Number 4323
		³ API Number 30-025-34209
⁴ Property Code 22114	⁵ Property Name H.T. ORCUTT (NCT-E)	⁶ Well No. 3

⁷ Surface Location									
Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
E	2	20-S	37-E		1650'	NORTH	330'	WEST	LEA

⁸ Proposed Bottom Hole Location If Different From Surface									
Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
⁹ Proposed Pool 1 Weir; MONUMENT BLINEBRY					¹⁰ Proposed Pool 2				

¹¹ Work Type Code P	¹² WellType Code O	¹³ Rotary or C.T. ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3600' GL
¹⁶ Multiple No	¹⁷ Proposed Depth 7208'	¹⁸ Formation BLINEBRY	¹⁹ Contractor	²⁰ Spud Date 10/25/2003

²¹ Proposed Casing and Cement Program					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
NO CHANGE					

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CHEVRON U.S.A. INTENDS TO RECOMPLETE THE SUBJECT WELL FROM THE MONUMENT TUBB TO THE MONUMENT BLINEBRY.

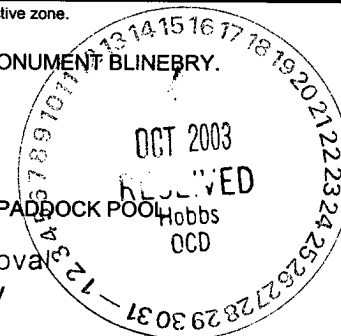
THE INTENDED PROCEDURE AND WELLBORE DIAGRAM IS ATTACHED FOR YOUR APPROVAL.

IF THE WELL PRODUCES IN UNECONOMIC QUANTITIES, PLANS ARE TO RECOMPLETE THE WELL TO THE PAD ROCK POOL.

A C-102 PLAT FOR BOTH POOLS ARE ATTACHED.

Permit Expires 1 Year From Approval Date Unless Drilling Underway

Plug-Back



²³ I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature <i>Denise Leake</i>		Approved By: <i>[Signature]</i>	
Printed Name Denise Leake		Title:	
Title Regulatory Specialist		Approval Date OCT 17 2003	Expiration Date:
Date 10/14/2003	Telephone 915-687-7375	Conditions of Approval: Attached <input type="checkbox"/>	

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State Lease - 4 Copy

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-34209	² Pool Code 46996 63780	³ Pool Name Weir MONUMENT BLINEBRY
⁴ Property Code 22114	⁵ Property Name H.T. ORCUTT (NCT-E)	⁶ Well No. 3
⁷ OGRID Number 4323	⁸ Operator Name CHEVRON USA INC	⁹ Elevation 3600' GL

¹⁰ Surface Location

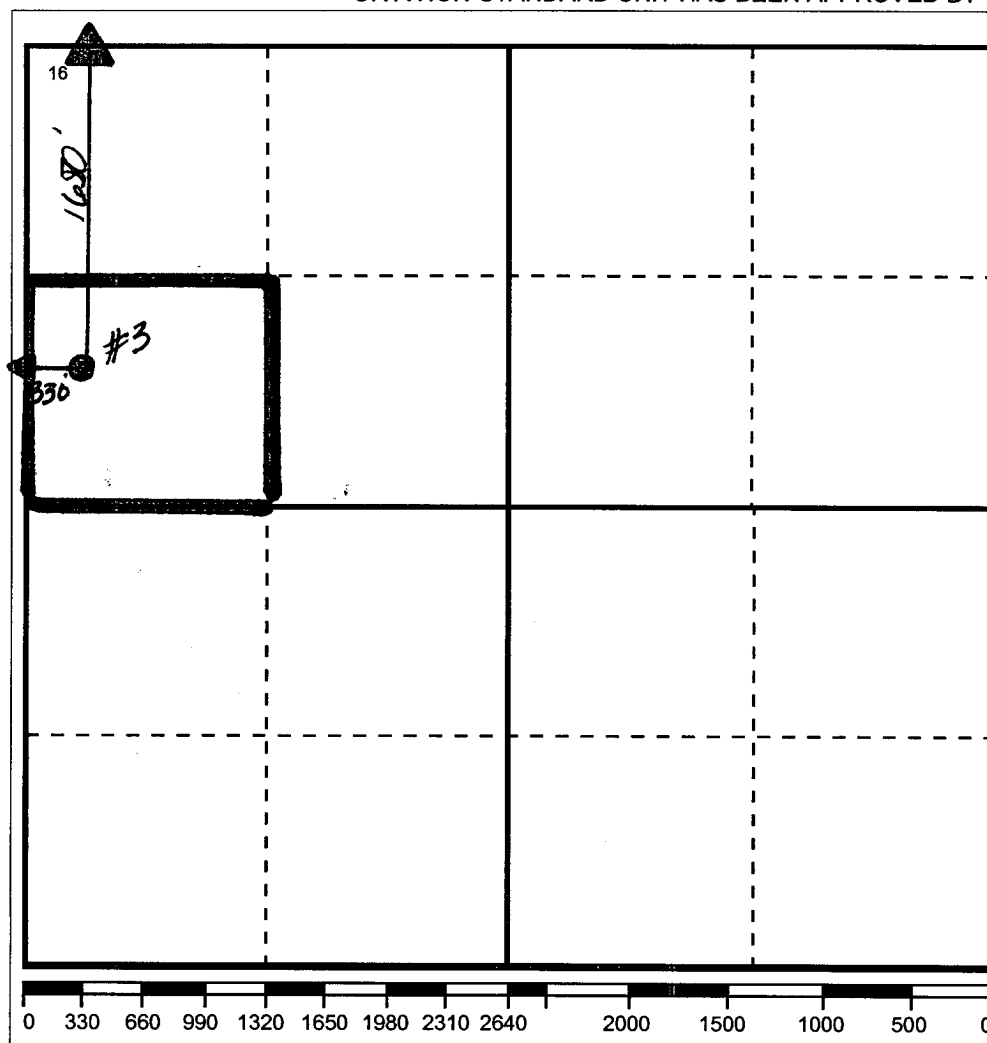
Ul or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
E	2	20-S	37-E		1650'	NORTH	330'	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

¹² Dedicated Acre 40	¹³ Joint or Infill No	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature

Denise Leake

Printed Name

Denise Leake

Positio

Regulatory Specialist

Date

10/14/2003

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.

**Workover Procedure for
H.T. Orcutt /NCT-E/ #3
Lea County, New Mexico**

API NO: 30-025-34209

Well: H.T. Orcutt /NCT-E/ #3

WBS Number(s):	UWPNM-R3115-EXP	\$92,300
	UWPNM-R3115-CAP	\$93,112

Well Location:

Township: 20S **Range:** 37E **Section:** 2
Surface Location: Unit E, 1650' FNL & 330' FWL
Lea County, New Mexico

Current Status:

Status: PL

Production: 2 bopd / 30 mcfpd / 1 bwpd

Formation: Tubb

Objectives

1. Re-complete the well to the Blinebry Pool.
2. Breakdown perforation, stimulate and test Blinebry.
3. If the well produces in uneconomic quantities, re-complete the well to the Paddock Pool.
4. Break perforations, stimulate and test Paddock.
5. Turn well over to operations.

Procedure

NOTE: Use 2% KCL water for all operations.

1. Displace flowline with fresh water and pressure test as follows: fiberglass lines – 300 psig, all polypipe – 100 psig and/or all steel lines – 500 psig. Contact Larry Williams for repair and/or replacement, if necessary.
2. MIRU PU. NDWH. NU BOPe and EPA. Pressure test BOPe.
3. Catch plunger and Fish bumper spring. POOH w/ approximately 210 jts. of 2-7/8" TBG (see Wellbore Diagram). Note the presence of solids (e.g., iron sulfate, calcium sulfate scale, dolomite or other substances) on the plunger or tubing.
4. PU and RIH with 4-3/4" bit and Casing Scraper on a 2-7/8" WS. C/O to 6500'. Note returns for the presence of solids (e.g., iron sulfate, calcium sulfate scale, dolomite or other substances). Circulate hole clean. POOH with 4-3/4" bit and WS. LD BHA.
5. PU and RIH with 5-1/2" CIBP, set @ +/- 6475' or within 100' of top perf, and spot 35' of Class 'C' on top of CIBP. PUH and spot 15% HCL from 5890' to 5765' (See Fluid Specifications). POOH with WS.

**Workover Procedure for
H.T. Orcutt /NCT-E/ #3
Lea County, New Mexico**

API NO: 30-025-34209

6. MIRU Baker Atlas. Run a correlation log and tie into Schlumberger Platform Express: Compensated Neutron Litho-Density Log dated June 7th, 1998. Perforate with 3-1/8" slick guns loaded with 4 SPF, premium charge, at 120° phasing as follows:

Top Depth	Bottom Depth	Footage	No. Holes
5775	5780	5	20
5800	5803	3	12
5807	5811	4	16
5828	5831	3	12
5843	5848	5	20
5877	5880	3	12
Total		23	92

7. PU and RIH with 5-1/2" Treating PKR with a 2-7/8" mandrel, on/off tool with 1.78" F profile nipple on 2-7/8" tubing, while hydrotesting to 5,000 psi. Set PKR @ +/- 5,725' or within 75' of top perforation.
8. MIRU Schlumberger. Perform acid stimulation as follows:

Acid Treatment:

Acid stimulate with **3,000 gallons of 20% HCL** at **8-10 BPM** and **4,500 PSI** maximum treating pressure using **150 - 7/8", 1.3 SG. ball sealers** for diversion. See Fluid Specifications.

- Hold pre-job safety meeting. Pressure test lines to 5,000 psi. Pressure annulus to 500 psi. Monitor and record annulus pressure throughout the job.
- If new tubing is used for the work string, tubing should be pickled with 500 gallons of 15% HCL before the acid job.

Pump job as follows:

Stage 1: Pump 750 gallons of 20% HCL and then start dropping 7/8", 1.3 SG. ball sealers continuously throughout the remainder of the acid job. Overflush with 37 bbls of 2% KCL water. Surge off ball sealers.

Record ISIP, 5, 10 and 15 min. SIP. Wait 2 hrs (at least 1 hr and maximum 3 hrs).

9. RDMO Schlumberger. Send job data files to the following e-mail address:

JerryPoole@ChevronTexaco.com

**Workover Procedure for
H.T. Orcutt /NCT-E/ #3
Lea County, New Mexico**

API NO: 30-025-34209

10. Swab or Flow back acid load (+/- 75 bbls) into frac tank catching samples from the well for Schlumberger analysis. Record recovered volumes, pressures, and fluid levels. Recover 100% of treatment and load before shutting-in well for the night, if possible. If well flows, set plug in profile, release on/off tool, displace annulus with packer fluid, sting back into on/off tool. ND BOPE. NWH. RIH and swab FL in tubing until differential across plug is balanced. Retrieve plug & swab well to initiate flow (if needed). RDMO PU. Skip 11 – 15.
11. If well does not flow, release and POOH w/ 5-1/2" Treating PKR and on/off tool.
12. RIH with 2-7/8" tubing to +/- 5700'. RU swab equipment. Record recovered volumes, pressures, and fluid levels. **NOTE:** Swab interval to determine fluid entry rate and oil cut.
13. Contact Jerry Poole for Frac Design if necessary.
14. Contact Felix Trevino for pumping design. RIH w/ Producing Equipment.
15. ND BOPE and EPA. NUWH. RDMO PU.
16. Turn over to Operations. Report daily oil and water volume produced and fluid level until well stabilizes.

Jerry D. Poole

September 30th, 2003

October 7th, 2003 Revised

**Workover Procedure for
H.T. Orcutt /NCT-E/ #3
Lea County, New Mexico**

API NO: 30-025-34209

Fluid Specifications:

PPI Acid Breakdown:

20% HCL Acid

1.00 gal/mgal	A264 (Corrosion Inhibitor)
5.00 gal/mgal	L63 (Iron Reducing Agent)
3.00 lbm/mgal	A179 (Corrosion Inhibitor Aid)
2.00 gal/mgal	W53 (Non-emulsifying Agent)
20.00 gal/mgal	U66 (Mutual Solvent)

**Workover Procedure for
H.T. Orcutt /NCT-E/ #3
Lea County, New Mexico**

API NO: 30-025-34209

Contact Numbers

Jerry Poole	Production Engineer, Midland	
	Office	(915) 687-7165
	Home	(915) 520-5363
	Cellular	(915) 556-0332
Nathan Mouser	Operations Supervisor, Eunice	
	Office	(505) 394-1247
	Cellular	(505) 390-7192
	Home	(505) 392-4188
Bobby McCurry	Artificial lift Specialist, Eunice	
	Office	(505) 394-1229
	Cellular	(505) 631-9127
Felix Trevino	Artificial lift Specialist, Eunice	
	Office	(505) 394-1245
	Cellular	(505) 390-7180
Larry Williams	MP2 Planner, Eunice	
	Office	(505) 394-1221
	Cellular	(505) 390-7165
Rick Massey	Safety Specialist, Eunice	
	Office	(505) 394-1237
	Cellular	(505) 390-7188

CURRENT WELL DATA SHEET

Field: Monument Well Name: H. T. Orcutt (NCT-E) #3 Lease Type: State
 Location: 1650' FNL & 330' FWL Sec: 2-E Township: 20S Range: 37E
 County: Lea State: New Mexico Refno: BP7270 API: 30-025-34209 Cost Center: UCU935700
 Current Status: FL
 Current Producing Formation(s): Tubb

Surface Csg.

Size: 8 5/8"
 Wt.: 24#
 Set @: 1470'
 Sxs cmt: 450
 Circ: Yes
 TOC: Surface
 Hole Size: 11"

Production Csg.

Size: 5 1/2"
 Wt.: 15.5#
 Set @: 7208'
 Sxs Cmt: 1020
 Circ: No
 TOC: 1200'
 Hole Size: 7 7/8"

KB: _____
 DF: _____
 GL: 3600'
 Spud Date: 5/26/1998
 Released Rig: 6/7/1998
 Compl. Date: 7/14/1998

Tubing Detail		3/12/1999	
# Jts.	Size		Footage
	Original KB to Tubing Head Flange		13.00
210	2 7/8 6.5# L-80 8RD EUE TBG		6490.05
1	API SN		1.10
211		EOT >>>	6504.15

Top Salt	1483'
Base Salt	2550'
Top Yates	2676'
Top 7 Rivers	2958'
Top Queen	3515'
Top Grayburg	3781'
Top San Andres	4173'
Top Glorieta	5294'
Top Paddock	5376'
Top Blinbry	5663'
Top Tubb	6400'
Top Abo	7440'



PBDT: 7108'
 TD: 7208'

Remarks: See the well history attached

Prepared by: K M Jackson
 Date: 9/30/2003

Monument Blinbry
46990
Monument Paddock
47080