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

RECEIVED
SEP 21 2009
HOBBSOCD

Form C-101
June 16, 2008

Submit to appropriate District Office

☐ AMENDED REPORT

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

[1] Operator Name and Address	[2] OGRID Number
CHEVRON MIDCONTINENT, L P 15 SMITH ROAD MIDLAND, TEXAS 79705	241333
	[3] API Number 30 – 025-34510

[3] Property Code	[5] Property Name	[6] Well No
302787	STATE DC	4

[9] Proposed Pool 1	[10] Proposed Pool 2
BLINEBRY OIL & GAS	

[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	19	21-S	37-E		1880	NORTH	660	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

Additional Well Information

Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
P	O		S	3532'
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
NO		BLINEBRY		

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
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 MIDCONTINENT L P INTENDS TO RECOMPLETE THE SUBJECT FROM THE DRINKARD TO THE BLINEBRY OIL & GAS
***PLEASE NOTE THAT AN INTENT TO TEMPORARILY ABANDON THE DRINKARD HAS BEEN FILED AND APPROVED THE ACTUAL TA WORK HAS NOT BEEN DONE AS OF YET

THE INTENDED PROCEDURE, CURRENT AND PROPOSED WELLBORE DIAGRAMS, C-102, AND THE C-144 PIT INFO ARE ATTACHED FOR YOUR APPROVAL

Permit Expires 2 Years From Approval Date Unless ~~Drilling~~ Underway
Plugback

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief

Signature Denise Pinkerton

Printed name	OIL CONSERVATION DIVISION
DENISE PINKERTON	Approved by
Title REGULATORY SPECIALIST	Title PETROLEUM ENGINEER
E-mail Address leakejd@chevron.com	Approval Date: SEP 23 2009 / Expiration Date
Date 09-17-2009 / Phone 432-687-7375	Conditions of Approval Attached ☐

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-34510	6660	BLINEBRY OIL & GAS

[4] Property Code	[5] Property Name	[6] Well Number
	STATE "DC"	4

[7] OGRID No.	[8] Operator Name	[9] Elevation
241333	CHEVRON MIDCONTINENT, L.P.	3532' 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	19	21-S	37-E		1880	NORTH	660	WEST	LEA

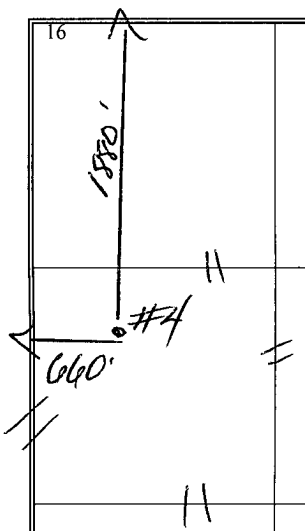
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

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.

16



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

Denise Pinkerton 09-17-2009

Signature Date

DENISE PINKERTON REGULATORY SPECIALIST

Printed Name

[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 belief

Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number

State DC # 4
Blinebry Oil & Gas
T21S, R37E, Section 19
Job: Plugback To Blinebry Formation PPI Acidize And Frac Stimulate

Procedure:

1. ***This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 8/15/2009. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.***

2. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. Buried fiberglass lines will be tested with 300 psi. All polypipe (SDR7 and SDR11) will be tested w/100 psi. All steel lines will be tested w/500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.

3. MI & RU workover unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. POH LD rods and pump. Remove WH. Install BOP's and test as required.

4. POH LD 2 3/8" tbg string.

5. MI & RU Gray WL electric line unit and mast truck. Install lubricator and test to 2000 psi. GIH with 3 3/8" RHSC Gunslinger casing guns (0.42" EH & 47" penetration) and perforate from 5648-57', 5670-79', 5690-96', 5760-70', 5784-92', 5798-5806', 5810-18', 5836-46', 5855-65', 5881-91', and 5931-41'with 4 JSPF at 120 degree phasing, using 25 gram premium charges. POH. RD & release electric line unit. **Note: Use casing collars from Apollo Perforators Cement Bond, GR & CCL Record Log dated 10/28/98 for depth correction.**

6. PU and GIH w/ 5 ½" PPI pkr (with 12' element spacing) and SCV on 2 7/8" tbg string to approximately 5940'. Test tbg to 5500 psi while GIH.

8. MI & RU DS Services. Acidize perfs 5648-5941' with 4,900 gals anti-sludge 15% NEFE HCl acid * at a maximum rate of **1/2 BPM** and a maximum surface pressure of **4500 psi.** Pump job as follows:

Perfs	Acid Volume	Rate (BPM)	PPI Settings
5648-5657	450	1/2	5646-5658
5670-5679	450	1/2	5668-5680
5690-5696	300	1/2	5687-5699
5760-5770	500	1/2	5759-5771
5784-5792	400	1/2	5782-5794
5798-5806	400	1/2	5796-5808
5810-5818	400	1/2	5808-5820
5836-5846	500	1/2	5835-5847
5855-5865	500	1/2	5854-5866
5881-5891	500	1/2	5880-5892
5931-5941	500	1/2	5930-5942
Total	***4900***		

Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Use a SCV to control displacement fluid. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **Note: Pickle tubing in 1 run of 500 gals acid, prior to acidizing perfs. Pickle acid is to contain only 1/2 gal A264 and 1 gal W53. Also, if communication occurs during treatment of any interval, monitor casing pressure and attempt to complete stage w/o exceeding 1000 psi csg pressure. If cannot, then move PPI to next setting depth and combine treatment volumes of the intervals.**

* Acid system is to contain:	1 GPT A264	Corrosion Inhibitor
	8 GPT L63	Iron Control Agent
	2 PPT A179	Iron Control Aid
	20 GPT U66	Mutual Solvent
	2 GPT W53	Non-Emulsifier

9. Release PPI pkr and PUH to approximately 5600'. Set pkr at 5600'. Fish SCV. Swab back all intervals together. Recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Selectively swab perfs as directed by Engineering if excessive water is produced.**

10. Open well. Release PPI pkr. GIH to 5980'. Set PPI pkr at 5980'. Pressure test casing from 5980' – 6600' to 2000 psi. Release PPI pkr. POH with tbg and PPI packer. LD PPI tool.

11. PU and GIH w/ 5 ½" Arrow-Set 10K pkr & On-Off tool w/ 2.25" "F" profile and 161 jts. of 3 ½" EUE 8R L-80 work string, testing to 8500 psi. Set pkr at approximately 5000'. Install frac head. Pressure annulus to 500 psi to test csg and pkr. Leave pressure on csg during frac job to observe for communication.

12. MI & RU DS Services and Tracer-Tech Services (Mike Mathis (866) 595-3115). Frac well down 3 ½" tubing at **40 BPM** with 88,000 gals of YF125, 176,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR1630 proppant. Observe a maximum surface treating

pressure of **8000 psi**. Tag frac with 2 radioactive isotopes (1 in regular sand stages, and 1 in resin-coated proppant stage). Pump job as follows:

Pump 2,000 gals 2% KCL wtr containing 55 gals Baker RE 4777-SCW Scale Inhibitor at **6 BPM**
Pump 1,000 gals 2% KCL water spacer at **20 BPM**
Pump 14,000 gals YF125 pad containing 5 GPT J451 Fluid Loss Additive at **40 BPM**
Pump 14,000 gals YF125 containing 0.5 PPG 16/30 mesh Jordan Sand & 5 GPT J451 FL Additive
Pump 12,000 gals YF125 containing 1.5 PPG 16/30 mesh Jordan Sand
Pump 12,000 gals YF125 containing 2.5 PPG 16/30 mesh Jordan Sand
Pump 14,000 gals YF125 containing 3.5 PPG 16/30 mesh Jordan Sand
Pump 16,000 gals YF125 containing 4.5 PPG 16/30 mesh Jordan Sand
Pump 6,000 gals YF125 containing 5 PPG **resin-coated** 16/30 mesh CR1630 proppant.

Flush to 5605' with 2,417 gals WF125. **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. RD & Release DS Services. **Leave well SI overnight.**

13. Open well. Bleed pressure from well, if any. Release pkr. POH LD 3 ½" work string, on-off tool, and pkr.

14. PU and GIH with 4 3/4" MT bit on 2 7/8" tbg string to approximately 6200'. If fill is tagged above 6200', cleanout to 6200' using 8.6 PPG cut brine water and air unit if necessary. POH with 2 7/8" tbg string and bit. LD bit.

15. PU & GIH with 5 1/2" pkr on 2 7/8" tbg string to 5600'. Set pkr at 5600'. Open well. GIH and swab well until there is no sand inflow. Swab well for at least 3 hours before logging. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct after-frac PRISM GR/Temp/CCL log from 6200' up to 4200'. POH. RD & release electric line unit. **Note: Correlate logs and run flat with Apollo Perforators Cement Bond, GR & CCL Log dated 10/28/98**

16. Release pkr. POH w/ 2 7/8" tbg string. LD pkr.

17. PU and GIH w/ BP mud anchor jt of 2 7/8" tbg, 2 7/8" x 4' perforated sub, SN, 1 jt 2 7/8" EUE 8R J-55 IPC tbg, 13 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 179 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 5550', with EOT at 6035' and SN at 6000'.

18. Remove BOP's and install WH. GIH with rods, sinker bars, and pump per ALS recommended design. RD & release pulling unit.

19. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

9/2/2009
Nami Southern (432-687-7373)
Mike Howell (432-687-7516)

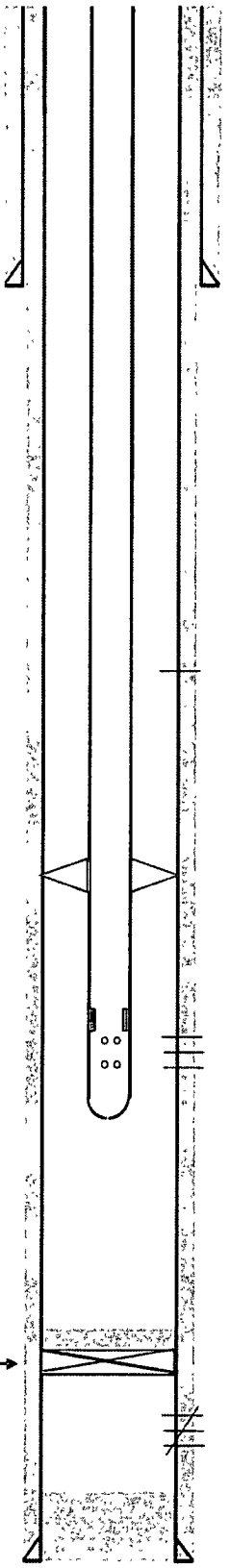
Well: **State DC #4** Field **Drinkard Oil** Reservoir: **Drinkard**

Location:
1880' FNL & 660' ~~FEL~~ FWL
Section. 19 Unit Letter: E
Township: 21S
Range: 37E
County. Lea State: NM

Elevations:
KB. 3520'
GL. 3532'

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

Current Wellbore Diagram



Well ID Info:
Chevno: BU4033
API No: 30-025-34510
L5/L6: BCU418600
WBS:
Spud Date: 10/10/1998
Compl. Date: 11/07/1998

Surf. Csg: 8 5/8", 24#, J-55
Set: @ 1208' w/ 490 sks
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Subsequent WO/Reconditionings/Repairs:

10/29/1998	6958-7138' Abo w/ 250 gal acid 2500 gals 15% POZ
11/08/1998	Set American 320-213-120 Pumping Unit
7/26/1999	Set CIBP @ 6900, cap w/ 20' cmt TA'D Abo Perfs New TD 7152 PBTD 6880
7/28/1999	6659-6819' Perf Drinkard w/ 2SPF acidize perf w/ 250 gal 15% NEFE set pkr @ 6832'

Tbg Details

# jts	Size	Lgth,ft
209	jts. 2-3/8 OD EUE 8RD 4.7# J-55	6625
	5 1/2 x 2 3/8" TAC	2.89
3	jts. 2 3/8" OD EUE 8RD 4.7# J-55	94.92
	2 3/8" NEW SN	1.10
	2 3/8" PS	4.10
1	2 3/8" BPMA	30.55
213	EOT	6758

DV Tool @ 4424'

Perfs: ***Status:***
6659-6819' Drinkard w/ 2SPF (34 holes)

CIBP @ 6900' w/ 20' cmt

Perfs: ***Status:***
6958-7138' Abo w/ 2SPF (38 holes)

Prod. Csg: 5 1/2", 17#, J-55
Set: @ 7200' w/ 1410 sks
Hole Size: 7 7/8"
Circ: Yes **TOC:** Surface
TOC By: Circulated

COTD: 6880'
PBTD: 6880'
TD: 7200'

Updated: 8/15/2009 **By:** nsou

Well: **State DC #4** Field: **Blinebry Oil & Gas** Reservoir: **Blinebry Oil & Gas**

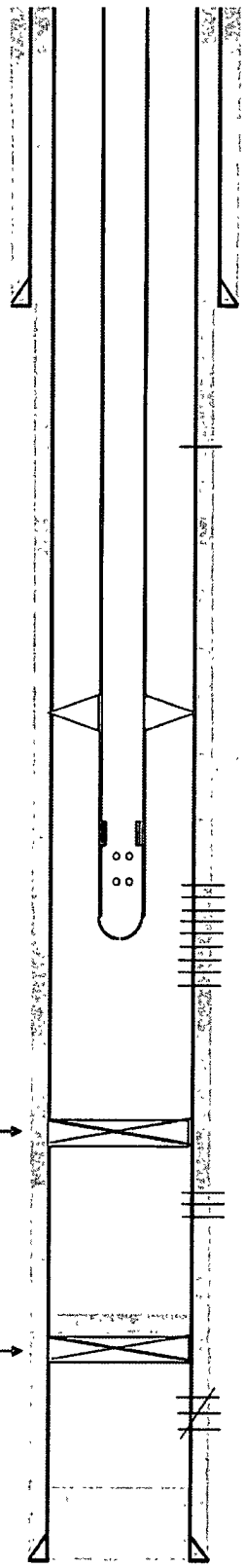
Location:
1880' FNL & 660' ~~FEL~~ FWL
Section: 19 Unit Letter: E
Township: 21S
Range: 37E
County: Lea State: NM

Elevations:
KB: 3520'
GL: 3532'

Current Wellbore Diagram

Well ID Info:
Chevno: BU4033
API No. 30-025-34510
L5/L6: BCU46AC00
WBS:
Spud Date: 10/10/1998
Compl. Date: 11/07/1998

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.



Surf. Csg: 8 5/8", 24#, J-55
Set: @ 1208' w/ 490 sks
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

DV Tool @ 4424'

TAC @ 5550'

Subsequent WO/Reconditionings/Repairs:

10/29/1998	6958-7138' Abo w/ 250 gal acid 2500 gals 15% POZ
11/08/1998	Set American 320-213-120 Pumping Unit
7/26/1999	Set CIBP @ 6900, cap w/ 20' cmt TA'D Abo Perfs New TD 7152 PBTD 6880
7/28/1999	6659-6819' Perf Drinkard w/ 2SPF acidize perf w/ 250 gal 15% NEFE set pkr @ 6832'

Perfs:	*Status:*	
5648-5657'	Blinebry	**PROPOSED**
5670-5679'	Blinebry	**PROPOSED**
5690-5696'	Blinebry	**PROPOSED**
5760-5770'	Blinebry	**PROPOSED**
5784-5792'	Blinebry	**PROPOSED**
5798-5806'	Blinebry	**PROPOSED**
5810-5818'	Blinebry	**PROPOSED**
5836-5846'	Blinebry	**PROPOSED**
5855-5865'	Blinebry	**PROPOSED**
5881-5891'	Blinebry	**PROPOSED**
5931-5941'	Blinebry	**PROPOSED**

CIBP @ 6600'

Perfs:	*Status: OPEN*
6659-6819'	Drinkard w/ 2SPF (34 holes) OPEN

CIBP @ 6900' w/ 20' cmt

Perfs:	*Status:*
6958-7138'	Abo w/ 2SPF (38 holes) - Below CI

Prod. Csg: 5 1/2", 17#, J-55
Set: @ 7200' w/ 1410 sks
Hole Size: 7 7/8"
Circ: Yes **TOC:** Surface
TOC By: Circulated

COTD: 6880'
PBTD: 6880'
TD: 7200'

Updated: 8/15/2009 **By:** nsou