District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

HOBBS OCD

SEP 03 2013

RECEIVED

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

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

1. Operator Name and Address	2. OGRID Number
CHEVRON U.S.A. INC. 15 SMITH ROAD MIDLAND, TEXAS 79705	4323
	3. API Number 30-025-33301

4. Property Code	5. Property Name	6. Well No.
29981	NEW MEXICO "L" STATE	18

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	1	18S	34E		810	NORTH	650	EAST	LEA

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name	Pool Code
VACUUM; DRINKARD	62110

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
RECOMPLETE	OIL		STATE	
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
NO	11,500'	DRINKARD		

Depth to Ground water	Distance from nearest fresh water well	Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
			NO CHANGE			

Casing/Cement Program: Additional Comments

DHC Order is being sought through Santa Fe

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.
Signature: Denise Pinkerton

Printed name: DENISE PINKERTON

Title: REGULATORY SPECIALIST

E-mail Address: leakejd@chevron.com

Date: 08/29/2013 Phone: 432-687-7375

SEP 19 2013

OIL CONSERVATION DIVISION

Approved By:

Title: Petroleum Engineer

Approved Date: 09/19/13 Expiration Date: 09/19/15

Oil Conservation Division
Conditions of approval: Approval for drilling/workover ONLY -- CANNOT produce Downhole Commingled until DHC is approoved in the OCD Santa Fe office.

Well: New Mexico "L" State No. 18
Field: Vacuum (Wolfcamp)
API No.: 30-025-33301
Lea County, New Mexico

Description of work: Add Drinkard pay and DHC with Wolfcamp

Pre-Work:

1. Check Wellhead connections for pressure ratings and condition. Change out if necessary.
2. Utilize the rig move check list.
3. Check anchors and verify that pull test has been completed in the last 24 months.
4. Ensure location of & distance to power lines is in accordance with MCA SWP. Complete and electrical variance and electrical variance RUMS if necessary.
5. Ensure that location is of adequate build and construction.
6. Ensure that elevators and other lifting equipment are inspected. Caliper all lifting equipment at the beginning of each day or when sizes change.
7. When NU anything over an open wellhead (EPA, etc.) ensure the hole is covered to avoid dropping anything downhole
8. For wells to be worked on or drilled in an H2S field/area, include the anticipated maximum amount of H2S that an individual could be exposed to along with the ROE calculations for 100 ppm and 500 ppm (attached).
9. If the possibility of trapped pressure exists, check for possible obstruction by:
    - Pumping through the fish/tubular – this is not guaranteed with an old fish as the possibility of a hole above the obstruction could yield inconclusive results
    - Dummy run – make a dummy run through the fish/tubular with sandline, slickline, eline or rods to verify no obstruction. Prior to making any dummy run contact RE and discuss.

    If unable to verify that there is no obstruction above the connection to be broken, or if there is an obstruction:

    - Hot Tap at the connection to check for pressure and bleed off

Observe and watch for signs / indicators of pressure as connection is being broken. Use mud bucket (with seals removed) and clear all non-essential personnel from the floor.

Procedure:

1. Rig up pulling unit. Check wellhead pressure, and kill well as necessary.
2. Pull rods and pump. Inspect rods for signs of wear, corrosion, scale, etc. Note any rod damage in WellView. Lay down all rods and pump.
3. ND wellhead. NU 5,000 psi BOP with 2-7/8" pipe rams and over blinds. Unset TAC @ 9235'. RIH with 1 joint of 2-7/8"tubing and 5-1/2" packer. Set packer. Test BOP to 250 psi low / 500 psi high.
4. POOH with packer & continue to TOH with 2-7/8" L-80 production tubing while scanning. Lay down bad joints (yellow joints OK to rerun).

Well: New Mexico "L" State No. 18
Field: Vacuum (Wolfcamp)
API No.: 30-025-33301
Lea County, New Mexico

5. TIH w/ RBP on 2-7/8" workstring and set at 8,000'. Test RBP to 500 psi. Spot 10% acetic acid from 7,900' to 7,600'. TOH.
6. Set up an exclusion zone around the wireline perforating operation. All phones, radios, etc. need to be turned off.
7. Rig up wireline truck. Rig up full lubricator, test lubricator to 500 psi on catwalk. Get on depth with SLB GR-CBL-CCL log dated 2/14/01. Perforate the Drinkard as follows using 4" casing guns at 2 JSPF and 120 degree phasing (46' net, 92 holes):
   7860'-62', 7826'-30', 7800'-10', 7776'-78', 7758'-64', 7728'-32', 7708,-20', 7698'-7702', 7622'-80', and 7614'-18'.
8. TIH w/ 5-1/2" packer on 2-7/8" workstring and set 7550'. Hydrotest tubing to 6,000 psi. Load backside to 500 psi.
9. Acidize perfs 7614'- 7862' w/ 20,000 gallons 20% NEFE HCl. Pump 138 (50% excess) 1.3 7/8 RCN ball sealers for diversion. Drop balls in groups of 15. Displace with 2% KCl water. Shut in one hour and flow back load. Pump acid at 5-6 BPM. Max pressure = 5,500 psi.
10. Release packer and TOH laying down workstring.
11. RIH w/ 2-7/8" production tubing and land SN @ 7900'.
12. ND BOP.
13. RIH w/ pump and rods.
14. NU wellhead and rig down pulling unit.
15. Place well on production and test.
16. Submit downhole commingling paperwork to the OCD.
17. Obtain downhole commingling approval.
18. Rig up pulling unit. Check wellhead pressure, and kill well as necessary.
19. Pull rods and pump. Inspect rods for signs of wear, corrosion, scale, etc. Note any rod damage in WellView.
20. ND wellhead. NU 5,000 psi BOP with 2-7/8" pipe rams and over blinds. Unset TAC. RIH with 1 joint of 2-7/8"tubing and 5-1/2" packer. Set packer. Test BOP to 250 psi low / 500 psi high.
21. POOH with packer & continue to TOH with 2-7/8" L-80 production tubing.
22. TIH w/ retrieving tool on 2-7/8" production tubing and release RBP set at 8000'.
23. TIH w/ production tubing and set SN @ 10,300'.
24. ND BOP. NU wellhead.
25. RIH w/ pump and rods.
26. Rig down pulling unit.
27. Place well on production and test.

New Mexico "L" State No. 18

Created:	07/26/13	By:	PTB	Well #:	18	St. Lse:	
Updated:		By:		API	30-025-33301		
Updated:		By:		Surface	Tshp/Rng:	18S / 34E	
Lease:	New Mexico "L" State			Unit Ltr.:	A	Section:	1
Field:	Vacuum			Lat/Long:			
Surf. Loc.:	810' FNL 650' FEL			Unit Ltr.:		Section:	
Bot. Loc.:				TSHP/Rng:			
County:	Lea	St.:	NM	Directions:	Buckeye, NM		
Status:	Producer			Chevno:	BI4101		

Surface Casing

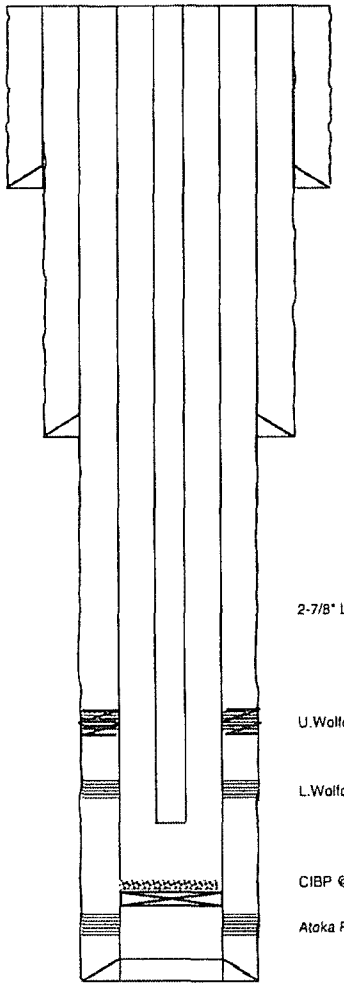
Size:	11 3/4"
Wt., Grd.:	42# WC-40
Depth:	1520'
Sxs Cmt:	800
Circulate:	Yes
TOC:	Surface
Hole Size:	14 3/4"

Intermediate Casing

Size:	8 5/8"
Wt., Grd.:	32# K-55
Depth:	5300'
Sxs Cmt:	1750
Circulate:	Yes
TOC:	Surface
Hole Size:	11"

Production Casing

Size:	5 1/2"
Wt., Grd.:	17# L-80
Depth:	11,500'
Sxs Cmt:	1850
Circulate:	Yes
TOC:	Surface
Hole Size:	7 7/8"



2-7/8" L-80 Production Tubing @ 10,412'

U.Wolfcamp: 9304'-9,508' (Sqz'd)

L.Wolfcamp: 9710'-10,276'

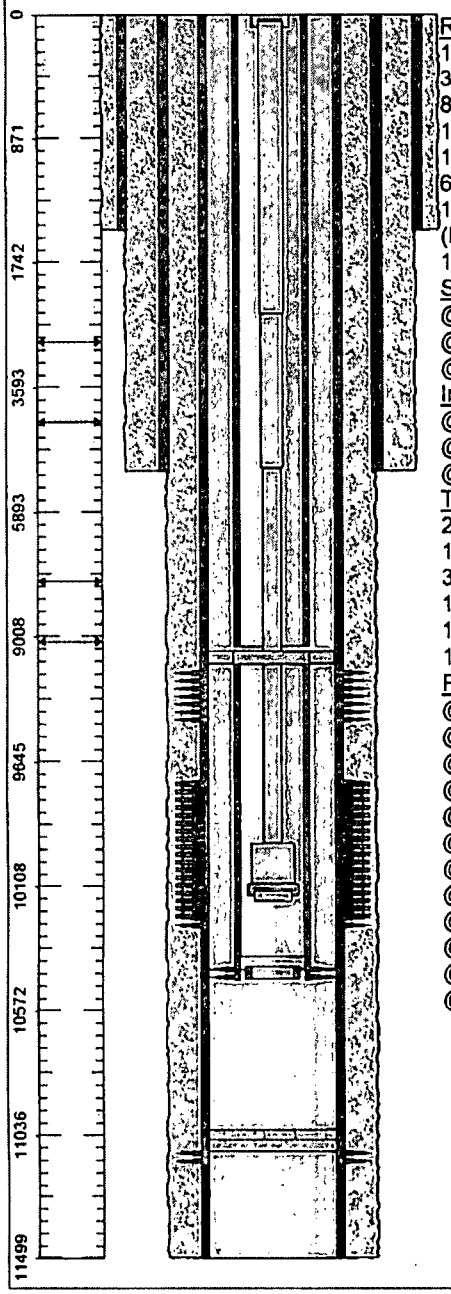
CIBP @ 11,050' capped w/ 35'

Atoka Perfs: 11,092'-11,110'

PBTD: 11,015'
TVD: 11,500

KB:	
DF:	
GL:	3982'
Ini. Spud:	04/17/96
Ini. Comp.:	06/02/96

Chevron U.S.A. Inc. Wellbore Diagram : NM L ST 18 VW



Rod String Quantity (Top-Bottom Depth) Desc
1 @(0-26) 1.500 (1 1/2 in.) Spray Metal x 26
3 @(26-44) 1.000 (1 in.) EL Rod Sub(s)
82 @(44-2094) 1.000 (1 in.) EL (EVI HS) x 25 Rod
126 @(2094-5244) 0.875 (7/8 in.) EL (EVI HS) x 25 Rod - N/A
188 @(5244-9944) 0.750 (3/4 in.) EL (EVI HS) x 25 Rod
6 @(9944-10094) 1.750 (1 3/4 in.) C x 25 Sinker Bar
1 @(10094-10118) Rod Pump (Insert) (NON-SERIALIZED) - 25-125-RHBC-24-6 (Bore = 1.25)
1 @(10118-10119) Strainer Nipple 1.500 OD x 0.5'

Surface Casing (Top-Bottom Depth) Desc
@(0-1520) Wellbore Hole OD-12.7500
@(0-1520) Cement
@(0-1520) Unknown 11.750 OD/ 42.00# Round Short 11.084 ID 10.928 Drift - N/A

Intermediate Casing (Top-Bottom Depth) Desc
@(1520-5300) Wellbore Hole OD-11.0000
@(0-5300) Cement
@(0-5300) K-55 8.625 OD/ 32.00# Round Short 7.921 ID 7.796 Drift - N/A

Tubing String Quantity (Top-Bottom Depth) Desc
294 @(0-9217) L-80 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
1 @(9235-9238) Tubing Anchor-Mechanical 2.875" Elder 'B'
36 @(9238-10371) L-80 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
1 @(10371-10407) Blast Joint 2.875 OD
1 @(10407-10408) Seat Nipple - Heavy Duty (2.063") Cup Type
1 @(10408-10412) Perforated Tubing Sub 2.875"

Production Casing (Top-Bottom Depth) Desc
@(9304-9508) Perforations
@(9304-9508) Producing Interval
@(9710-10208) Producing Interval
@(9710-10208) Perforations
@(9720-10268) Perforations
@(9720-10268) Producing Interval
@(11015-11015) Plug Back Total Depth
@(11050-11053) Cast Iron Bridge Plug
@(11092-11110) Perforations
@(0-11500) L-80 5.500 OD/ 17.00# Round Short 4.892 ID 4.767 Drift - N/A
@(0-11500) Cement
@(5300-11500) Wellbore Hole OD- 7.8750

320-256-120
4.5 SPM
LAST FAILURE 9-26-08 ROD PUMP