

District I  
1625 N. French Dr., Hobbs, NM 88240  
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District III  
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District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

HOBBS OCD  
APR 10 2014  
RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-35125		<sup>2</sup> Pool Code 58595		<sup>3</sup> Pool Name TEAGUE; GLORIETA-UPPER PADDOCK, SW	
<sup>4</sup> Property Code 13195		<sup>5</sup> Property Name F.B. DAVIS			<sup>6</sup> Well Number 10
<sup>7</sup> OGRID No. 4323		<sup>8</sup> Operator Name CHEVRON U.S.A. INC.			<sup>9</sup> Elevation 3338'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	8	23S	37E		330	NORTH	2310	WEST	LEA

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p>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.</p> <p><i>[Signature]</i> 02/27/2014 Signature Date</p> <p>DENISE PINKERTON REGULATORY SPECIALIST Printed Name</p> <p>leakejd@chevron.com E-mail Address</p>
	<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p>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.</p>
	<p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>

APR 21 2014

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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-025-35125		<sup>2</sup> Pool Code 96314		<sup>3</sup> Pool Name TEAGUE; LOWER PADDOCK BLINEBRY, NORTH, ASSOC	
<sup>4</sup> Property Code 13195		<sup>5</sup> Property Name F.B. DAVIS			<sup>6</sup> Well Number 10
<sup>7</sup> GRID No. 4323		<sup>8</sup> Operator Name CHEVRON U.S.A. INC.			<sup>9</sup> Elevation 3338'

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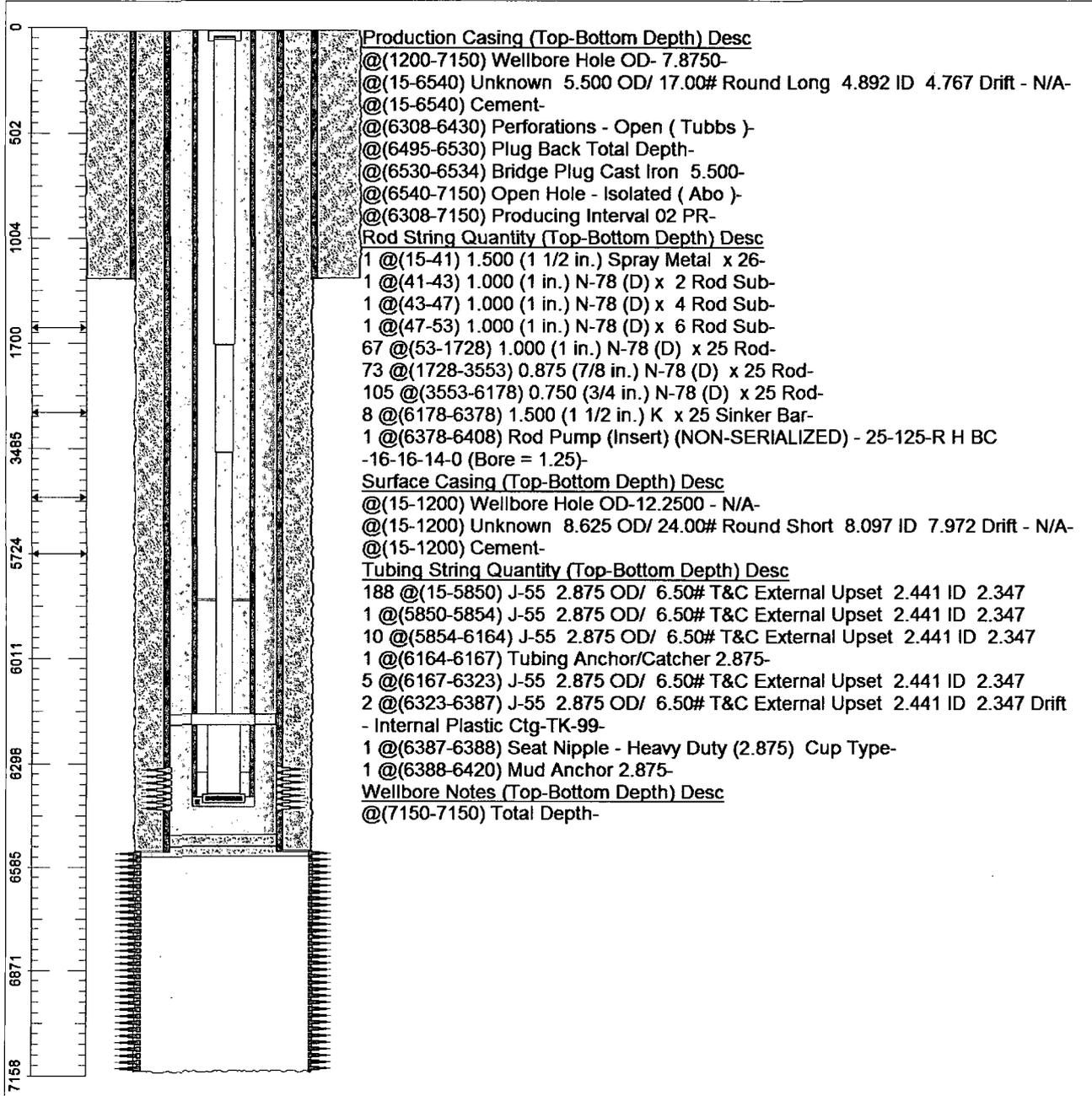
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p>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.</p> <p><i>Denise Pinkerton</i> 02/27/2014 Signature Date</p> <p>DENISE PINKERTON REGULATORY SPECIALIST Printed Name</p> <p>leakejd@chevron.com E-mail Address</p>
	<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p>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.</p>
	<p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>

# Current Wellbore Diagram

Chevron U.S.A. Inc. Wellbore Diagram : DAVISFB10T

<b>Lease:</b> OEU EUNICE FMT		<b>Well No.:</b> DAVIS, F. B. 10		<b>Field:</b> FLD-NM TEAGUE NORTH	
<b>Location:</b> 330FNL2310FWL		<b>Sec.:</b> N/A		<b>Blk:</b>	
<b>County:</b> Lea		<b>St.:</b> New Mexico		<b>Refno:</b> HC2278	
<b>Section:</b> 8		<b>Township:</b> 023 S		<b>Range:</b> 037 E	
<b>Current Status:</b> ACTIVE				<b>Dead Man Anchors Test Date:</b> 08/01/2005	
<b>Directions:</b>					



Well: F.B. Davis #10

Field: North Teague

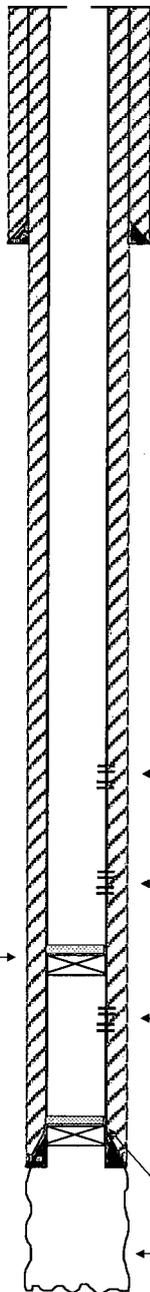
Reservoir: Tubb

**Location:**  
 330' FNL & 2310' FWL  
 Section: 8 (NE/4 NE/4 NW/4)  
 Township: 23S  
 Range: 37E Unit: C  
 County: Lea State: NM

**Elevations:**  
 GL: 3338  
 KB: 3353  
 DF: 3352

Log Formation Tops	
Rusler	1157
Yates	2937
Penrose	3532
Grayburg	3705
San Andres	3894
Glorieta	5106
Paddock	5304
Blinebry	5656
Tubb	6195
Drinkard	6458
Abo	6680

**Proposed Wellbore Diagram**



**Well ID Info:**  
 Chevno: HC2278  
 API No: 30-025-35125  
 L5/L6: U82 / 0600  
 Spud Date: 4/21/01  
 Rig Released: 5/6/01  
 Compl. Date: 7/14/01

**Surface Csg:** 8 5/8" 24# K-55 STC  
**Set:** @ 1200 w/ 670 sx Class C cmt  
**Hole Size:** 12 1/4" TO 1200  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulation (83 sx)

**Initial Completion:**  
 6/01 OH (Abo) 6450-7150 ; AF/32000 gal 20% HCL ;  
 tested non-commercial ; Set CIBP @ 6530 W/ 35' cmt on top ;  
 7/01 Perf (Tubb) (2 jspl) 6308-12, 6332-40, 6360-62, 6368-78, 6390-94,  
 6398-6402, 6406-10, 6426-30 ; A/4000 gal 15% NEFE HCL ; F/80934 gal x-link  
 & 142940# 20/40 sd - IP 85 BO, 242 BW, 213 MCF

**Subsequent Work**  
 8/1/2005 TBG Failure  
 8/2007 - Rod Pmp Failure - Hot Oiled to pull rods pump upsized to 1 1/4"  
 dropped sv held pressure @ 1000#

**Proposed Perfs** **Status**  
 { 5150-5162, 5166-5172, 5176-5184, 5192-5210, 5224-5240 } Glorieta/Upper Paddock - open

**Proposed Perfs** **Status**  
 { 5520-5526, 5535-5545, 5560-5566, 5570-5582, 5590-5596 } Lower Paddock/ Blinebry - open  
 { 5600-5610, 5664-5674, 5694-5700, 5704-5710 } Lower Paddock/ Blinebry - open

**Isolated Perfs** **Status**  
 { 6308-12, 6332-40, 6360-62, 6368-78, 6390-94, } lubb - open  
 { 6398-6402, 6406-10, 6426-30 } lubb - open

**Prod. Csg:** 5 1/2" 17# K-55 & L-80 LTC  
**Set:** @ 6540 w/ 1380 sx class H  
**Hole Size:** 7 7/8" to 7150  
**Circ:** Yes **TOC:** surface  
**TOC By:** Circulation (300 sx)

CIBP @ 6290 w/35' cmt on top

CIBP @ 6530 w/35' cmt on top  
 { OH 6340-7150 } Abo - closed

ID: 7150 COID: 1149 PBIT: 6495

Updated: 4/9/2014 by EAXX

By: W.P. Johnson



WELL NAME: F B Davis #10

API #: 30-025-35125 CHEVNO: HC2278

OPERATOR: Chevron Midcontinent, L.P.

LOCATION: 330' FNL & 2310' FEL Sec.8 TownShip: 23S Range: 37E

COMPLETION: 7/14/2001

The plan is to plug back the Tubb formation due uneconomical production. Stimulate Blinebry (Sand), Paddock (Sand), and Glorietta (Acid). It is up to the WSM, Workover Engineer and Production Engineer to make the decisions necessary to do safely what is best for the well. PLEASE REFER TO THE H2S SHEET AND TAKE ALL NECESSARY PRECAUTIONS TO MITIGATE THAT AND ANY OTHER RISKS.

**Contacts:** Abdul Sule (PE) 432-687-7213, 832-971-2061 (C)  
·Danny Hunt (OS) 575-394-1242, 817-526-2322 (C)  
Bobby Hill (PTTL) 575-394-1245, 575-631-9108 (C)  
Clarence Fite (ALCR) 575-394-4001, 575-390-9084 (C)  
Kevin Jones(WE) 432-687-7388, 575-631-4407 (C)  
Victor Bajomo (DS) 432-687-7953, 432-202-3767 (C)  
Gabriel Garcia (LWSM) 575-390-7220 (C)  
Darryl Ruthardt (LWSM) 575-390-8418 (C)

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**Wellbore Information:**

Surface Casing – 8 5/8" 24# K-55 set @ 1200' TOC Surf.  
Production Casing – 5 1/2" 17# L-80 set @ 6540' TOC Surf.  
PBTD – 6495'  
PERFS – 6308' to 6430' (Tubb)  
New PERFS – 5520' to 5710' (Lower Paddock/Blinebry)  
New PERFS – 5150' to 5240' (Glorieta/Upper Paddock)

**Tubing Detail:**

188 Jnts -2 7/8" J-55 6.5#  
1 Jnts -2 7/8" J-55 6.5# (Marker Joint)  
10 Jnts -2 7/8" J-55 6.5#  
TAC  
5 Jnts -2 7/8" J-55 6.5#  
2 Jnts -2 7/8" IPC Blast Joint  
SN (CUP)  
1 Jnts -2 7/8" J-55 6.5# Mud Anchor

**Rod Detail:**

1 1/2' X 26' Polish Rod  
101 – 7/8" Class D Rods  
149 – 3/4" Class D Rods  
3 – 1 1/2' Class K Sinker Bars  
1 – 7/8" X 4' Pony Sub  
1 1/4" X 24' Rod Insert Pump w/Gas Anchor



WELL NAME: F B Davis #10  
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#### PRE-WORK:

1. Complete the rig move checklist & Well Handover Sheet w/Production Rep.
2. Ensure location is in appropriate condition, anchors have been tested within the last 24 months, and power line distance has been verified to determine if a variance and RUMS are necessary.
3. When NU anything over and open wellhead (EPA, etc.) ensure the hole is covered to avoid dropping anything downhole.
4. Review H2S calculations in H2S tab included.
5. Any equipment installed at the wellbore, including wellhead (Inside Diameter), is to be visually inspected by the WSM to insure no foreign debris or other restrictions are present.
6. DO NOT! Flow back CO2 to non CO2 rated vessels.

#### PROCEDURE:

**NOTE: Schedule LAS to be present before & during frac. (Doug Guiley 432-813-3971)**

1. Verify that well does not have pressure or flow. If the well has pressure, note tubing and casing pressures on Wellview report. Bleed down well; if necessary, kill with cut brine fluid (8.6 ppg).
2. MIRU workover unit & associated surface equipment (i.e. tanks, reverse unit, pipe racks).
3. Unhang well from pumping Unit.
4. Bleed off casing pressure to tank, if casing flowing fluid pump known weight fluid down casing, shut in for 30 mins, Calculate KWM and pump to kill well. If applicable.
5. Remove stuffing box and lay down polish rod.
6. Unseat pump, MIRU Hot Oil Unit and hot water rods to help clean off rods of any paraffin.
7. POOH standing back rods inspecting for pitting and shoulder damage.
8. Kill tubing if needed.
9. Monitor well for 30 minutes to ensure it is dead. ND WH. Release TAC.
10. NU **Chevron Class II-A configured 7-1/16" 5M** remotely-operated hydraulically-controlled BOP, **2-7/8"** pipe rams over blind rams. NU EPA pan.
11. ND wellhead, unset TAC, NU BOP dressed with 2-7/8" pipe rams on top and blind rams on btm. NU EPA equipment & RU floor. POOH and LD 1 jt 2-7/8" tbg. PU 5-1/2", 15.5# rated packer along with a joint of 2-7/8" tubing and set below WH @ ~25'. Test BOP pipe rams to 250/1000 psi. Note testing pressures on Wellview report. Release and LD packer.



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API #: 30-025-35125 CHEVNO: HC2278

OPERATOR: Chevron Midcontinent, L.P.

LOCATION: 330' FNL & 2310' FEL Sec.8 TownShip: 23S Range: 37E

COMPLETION: 7/14/2001

**Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

12. PU 3 Jnts.(75) 2 7/8" tubing and RIH to **6495'** to tag for fill (**TAC 6,164'**, **Tubb Perfs 6,308'-6,430'**, **EOT 6,420' PBTD 6495'**), DO NOT PUSH TAC INTO PERFS.

- If fill is tagged above **6495'** contact WOE and verify if the clean out is necessary. If so, continue to clean out fill with foam/air unit per step 13.
- If fill is tagged below **6495'** clean out will not be needed! Continue to step 18.

13. POOH standing back and scanning 2-7/8" production tubing. LD all non-yellow band joints.

**Note: Strap pipe out of the hole to verify depths and note them on Wellview report.**  
Send scan log report to [KJCY@chevron.com](mailto:KJCY@chevron.com).

14. PU and RIH with following BHA:

Component	Amount
4 3/4" Mill Tooth Bit	1
Bit Sub w/Float	1
3 1/2" Drill Collars (Optional)	4
2 7/8" L-80	~ 5400'
Inline Tubing Check	1
2 7/8" L-80	~1700'

15. MIRU Foam/ Air Unit, Flowback Manifold, and Blowdown Tank w/Gas Buster.

16. Clean out fill to **6495'**. (**See Supplemental SOG for Foam Air operations**)

17. POOH w/ tubing standing back, LD BHA.

18. MIRU Gray wireline unit. **Set up exclusion zone around WL unit.** R/U lubricator and test to **1000** psi against blind rams. **Note test results in Well View.**

19. **Only if bit run is not completed:** RIH with 4 3/4" gauge ring to **6,300'** (CIBP to be set at **6,290'**) to make sure well is free of obstructions. Note in WV and contact WE if gauge ring sets down, drags, or hangs up inside 5-1/2" csg.

- If gauge run was clear continue to step 20.
- If gauge run tags early contact WOE for further instruction.



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API #: 30-025-35125 CHEVNO: HC2278

OPERATOR: Chevron Midcontinent, L.P.

LOCATION: 330' FNL & 2310' FEL Sec.8 TownShip: 23S Range: 37E

COMPLETION: 7/14/2001

20. RIH with 5-1/2" CIBP and set @ **6,290'**. PU and set down on CIBP to ensure it set. RIH with dump bailer and dump 35' of cmt on top of CIBP. POOH, fill up csg and test down to CIBP to 250/500 psi. (Record csg test in WellView in time log and safety/inspections). Notify WE if pressure doesn't hold. If pressure holds, RD & release wireline.
21. RIH and conduct GR/CCL/CBL from **6000' to Surf**. Run log with **500** psi on casing. If bond does not appear to be good across proposed completion interval (~5630'–5100'), discuss with Engineering before proceeding. Cmt squeeze as necessary to obtain good cmt across completion interval. **E-mail log to Malcolm Rowland (MRowland@chevron.com), Abdul Sule (asule@chevron.com), and Warren Anderson (Warren.Anderson@chevron.com) for confirming/picking new perms. If CBL shows good cement to surface, contact Kevin Jones and Abdul Sule for a new procedure where the frac will be done down the casing.** If CBL does not show good cement to surface, once perms are confirmed, proceed.
22. MI & RU Wireline. **Set up an exclusion zone and establish radio silence when running perf guns.** Install Lubricator and test to **1000** psi against blind rams. **Note test results in WellView.**
23. RIH with 3 3/8" casing guns (0.42" EH & 47" penetration) and perforate the following intervals:

**Perfs to be done at 3 JSPF at 120 degree phasing, using 32 gram premium charges**

5520-5526'

5535-5545'

5560-5566'

5570-5582'

5590-5596'

5600-5610'

5664-5674'

5694-5700'

5704-5710'

24. Move in, Rack & strap +/- 5500' of 3 1/2" 9.3# L80 tbg as frac string.  
**Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**
25. MIRU Hydrotesters
26. Change out pipe rams to 3 1/2". PU 5 1/2" testing packer on one joint 3 1/2" tubing and set @ ~25'. Test BOP pipe rams to 250/1000 psi. Note testing pressures on WellView report (Time log and safety/inspections). Release and LD packers.
27. PU and RIH w/ 5 1/2" Arrow-Set 10K pkr & On-Off tool w/ frac hardened 2.25" "F" profile, blast joint, and 3 1/2", 9.3# 8RD L-80 work string, hydrotesting to **8000** psi. Set pkr at approximately ~**5,450'**. Install 10k frac valve and test 3-1/2" connection to **8000** psi with hydrotesters. Install goat head above FV. Pressure 3-1/2" x 5 1/2" annulus to **500** psi to test csg and pkr. Bleed down backside after testing.
28. RDMO pulling unit & associated surface equipment (i.e. tanks, reverse unit, pipe racks).



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COMPLETION: 7/14/2001

29. Prep location for frac:

Coordinate with Baker Hughes frac rep (Mike Moody 325-207-2211)

Move in and fill frac tanks (6-7 tanks), move in half-frac pit for flowback, manlift or well platform(WSI) (if needed), trash trailer/port-a-potty, etc.

Mark off anything on location that may pose a hazard to multiple trucks moving on location.

**Schedule LAS to be present before & during frac. (Doug Guiley 432-813-3971)**

30. MI Baker frac crew and equipment. **Set up exclusion zone around stimulation unit & surface treating lines.**

31. Test treating lines to **7400** psi and set pop-off at **7400** psi. Set 3-1/2" x 5-1/2" annulus mechanical pop-off to 500 psi. Pressure up to **300** psi (with pump truck) on backside to monitor during job (After pressuring up, isolate pump truck from backside using 5000 psi ball valve).

32. Frac well down 3 1/2" tubing at **40 BPM** with 13,007 gals #25 Linear Gel, 1500 gals 15% HCl, 83000 gals with, 8,000# 100 mesh sand, 130,500 lbs. 16/30 mesh brown, and 62,000 lbs **resin-coated** Super LC 16/30 mesh. Observe a maximum surface treating pressure of **6500 psi**. Pump job per attached Baker frac design.

**PROCEDURE**

Stage	Fluid		Proppant			
	Type	Volume (gal)	Conc. (ppa)	Type	Stage (lbs)	Cum (lbs)
1	25# Linear Gel	1000		Breakdown		
2	15% HCL	1500		Acid Spearhead		
3	25# Linear Gel	2000		Pad		
4	25# Linear Gel	8000	1.000	100% S-8C, Sand, 100 mesh,	8000	8000
5	Spectra Frac 2500	12000		Pad		8000
6	Spectra Frac 2500	8000	0.500	100% Sand, Brown, Brady,	4000	12000
7	Spectra Frac 2500	12000	1.500	100% Sand, Brown, Brady,	18000	30000
8	Spectra Frac 2500	15000	2.500	100% Sand, Brown, Brady,	37500	67500
9	Spectra Frac 2500	12000	3.000	100% Sand, Brown, Brady,	36000	103500
10	Spectra Frac 2500	10000	3.500	100% Sand, Brown, Brady,	35000	138500
11	Spectra Frac 2500	8000	4.000	100% Super LC, 16/30 SSF	32000	170500
12	Spectra Frac 2500	6000	5.000	100% Super LC, 16/30 SSF	30000	200500
13	25# Linear Gel	2007		Flush		200500
Total		97507				200500



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COMPLETION: 7/14/2001

**TREATMENT SCHEDULE**

Stage	Surface Treating Pressure (psi)	Rates			Volume				Stage Pump Time hh:mm:ss
		Slurry (bpm)	Clean Fluid (bpm)	Prop. Rate (lb/min)	Slurry		Fluid		
					Stage (bb/s)	Cum. (bb/s)	Stage (bb/s)	Cum. (bb/s)	
1	2918	10.0	10.0		23.8	23.8	23.8	23.8	00:02:22
2	3238	10.0	10.0		35.7	59.5	35.7	59.5	00:03:34
3	4947	40.0	40.0		47.6	107.1	47.6	107.1	00:01:11
4	4832	40.0	38.3	1606.8	199.2	306.3	190.5	297.6	00:04:58
5	5620	40.0	40.0		285.7	592.0	285.7	583.3	00:07:08
6	5566	40.0	39.1	821.4	194.8	786.8	190.5	773.8	00:04:52
7	5440	40.0	37.5	2359.9	305.1	1091.9	285.7	1059.5	00:07:37
8	5302	40.0	35.9	3773.4	397.5	1489.4	357.1	1416.7	00:09:56
9	5232	40.0	35.2	4438.0	324.5	1813.9	285.7	1702.4	00:08:06
10	5161	40.0	34.5	5076.5	275.8	2089.7	238.1	1940.5	00:06:53
11	5080	40.0	33.8	5674.0	225.6	2315.3	190.5	2131.0	00:05:38
12	4942	40.0	32.5	6826.8	175.8	2491.0	142.9	2273.8	00:04:23
13	4947	40.0	40.0		47.8	2538.8	47.8	2321.6	00:01:11
Total Pump Time:									01:07:56

- 33. Flush to 5,500' **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures.
- 34. SWI. RD & Release Baker Services. **Leave well SI overnight.**
- 35. Check well for pressure. **If well has pressure,** MIRU flowback crew & associated equipment (choke manifold, flowback iron with straps, etc.). Flowback well starting 24 hours after the frac. Open up at 20 bph and work up to 50 bph over the first 6 hours. Flow down until the well dies, putting flowback down the flowline if possible. Consult with the pumper and OS if flowback is sent down the flowline. **If well has no pressure DO NOT call out for Flowback equipment or crew.**
- 36. MIRU pulling unit & associated surface equipment (i.e. tanks, reverse unit, pipe racks).
- 37. Test 3 1/2" pipe rams to 250/500 psi against packer.
- 38. ND frac valve, release packer, and circulate kill weight fluid. POOH stand back 3-1/2" frac string and LD 5-1/2" packer.
- 39. MI & RU Wireline. **Set up an exclusion zone and establish radio silence when running perf guns.** Install Lubricator and test to 1000 psi against blind rams.



WELL NAME: F B Davis #10

API #: 30-025-35125 CHEVNO: HC2278

OPERATOR: Chevron Midcontinent, L.P.

LOCATION: 330' FNL & 2310' FEL Sec.8 TownShip: 23S Range: 37E

COMPLETION: 7/14/2001

40. RIH with 3 3/8" casing guns (0.42" EH & 47" penetration) perforate the following intervals:

**Perfs to be done at 2 JSPF at 120 degree phasing, using 32 gram premium charges**

5150-5162'

5166-5172'

5176-5184'

5192-5210'

5224-5240'

41. POOH. RD & release electric line unit. **Note: Reference Previous log to correlate.**

42. PU/RIH with 5-1/2" RBP and 5 1/2" 17# Arrow Set 10K pkr, ON-OFF tool w/2.25" frac hardened profile on 3 1/2" 9.3# L-80 WS. Hydrotest tubing in hole to **7,000** psi. Set RBP @ **~5,450'**, PU 1jnt and set PKR, test RBP to **6000# Surface PSI**. Dump 100# of sand on RBP. If RBP does not test, contact WE for contingency plan. If RBP tests, proceed.

43. Unset PKR PUH set @ **5100'**.

44. MIRU Petroplex Acidizing. Install Petroplex plug valve to tubing instead of Frac Valve. Pressure test surface lines and plug valve to **7000** psi and set mechanical pop offs to 3000 psi. Acid Frac the Glorieta @ **12BPM w/Max Surface Psi of 6000#** from 5,150'-5,240' with 9,000 gals 15% HCl slurry and 10,000# of rock salt as follows:

Additive	Amount
FE/AS -2X	12 GPT
I-8	2 GPT
FENX	40 lbs PT
10% Acetic Acid	10 GPT
I-10H	1 GPT
P-3 Low Surface Wetting Agent	3 GPT

45. Keep **300#** on backside thru out Acid job to monitor for communication. (See Petroplex Procedure)

46. Record ISIP, 5-Min, 10-Min, 15-min. RD & release Petroplex.

47. Release PKR, POOH Laying Down w/3 1/2' WS & PKR.

48. PU and RIH w/RBP on 2 7/8" WS retrieval head to **~5100'**, wash down thru perfs & top of RBP w/fresh water.

49. Latch on to RBP @ **5450'**, release & POOH, LD RBP.



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50. PU and RIH with following BHA:

Component	Amount
4 3/4" Mill Tooth Bit	1
Bit Sub w/Float	1
3 1/2" Drill Collars (Optional)	4
2 7/8" L-80	~ 5400'
Inline Tubing Check	1
2 7/8" L-80	~1700'

51. MIRU Foam/ Air Unit, Flowback Manifold, and Blowdown Tank w/Gas Buster.

52. Clean out fill to **6255'**. (**See Supplemental SOG for Foam Air operations**)

53. POOH w/ tubing standing back, LD BHA.

54. **Prior to this step, contact Production Engineer (Abdul) to discuss necessity of swabbing.** PU & RIH with 5-1/2" pkr on 2-7/8 workstring. Set pkr at 5100'. RU swabbing equipment.

**Before/During swabbing:** Inspect sandline to be sure it's free of excessive rust, bird's nests, frays, kinks, knots, etc.

55. RIH and swab well until there is no sand inflow. Report number of runs, fluid levels, sample % oil cut, and recovered fluid volumes. If sand is indicated additional clean out run will be needed.

56. Release pkr. POOH LD 2 7/8" workstring and LD packer.

57. PU Production BHA and RIH hydrotesting production tubing to **5000** psi. (**Space out per ALCR Recommendations**)

58. NDBOPE, NUWH.

59. RIH w/Pump and Rods (**Per ALCR Rod design**)

**Contact appropriate Field Specialist to remove locks.**

60. Check pump action with pumping unit.

61. Clean location, RDMO, Notify ALCR and production, Complete Wellwork Ownership Transfer Form with Production Rep. . (contacts on first page).

62. RDMO Pulling Unit, Turn well over to production (See contacts). Clean location prior to moving rig.



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## STANDARD GUIDELINES

### **Maximum Anticipated H2S Exposures (RRC H9 / NM Rule 36 )**

All personnel on location must be made aware of each of the following values (values vary by field):

**Maximum anticipated amount of H2S that an individual could be exposed to is 2,400 ppm at the maximum anticipated escape volume (of wellbore gas) of 220 MCF/D**

**100 ppm Radius of Exposure is 68 feet.**

**500 ppm Radius of Exposure is 31 feet.**

### **Elevators**

At every tubing size change, the elevators must be calipered and all lifting equipment must be visually inspected for the correct sizing, and rechecked daily. The elevators must also be checked for proper sizing by placing a pony sub in the elevators. Prior to picking up power swivel, caliper and visually inspect elevators and bail on swivel. Checks are to be documented in the JSA and elevator log.

### **ND/NU**

Prior to N/D, N/U operations, if only one mechanical barrier to flow will be in place, visual monitoring of well condition by the WSM is necessary for 30 minutes or more to ensure that the well is static **before** removing or replacing well control equipment. For all deviations to 2B policy, check that MOC for exemption from 2B policy is in place and applicable. During ND/NU operations with only one barrier to flow in-place, constant visual monitoring of well condition **during ND/NU** by the WSM is necessary.

### **Installed Equipment**

Any and all equipment installed at the surface on the wellbore is to be visually inspected (internally) by the WSM prior to N/U to the wellhead by the service provider to ensure no debris or other potential restrictions are present. During any NU ops over an open wellhead (BOP, EPA, etc.), ensure the hole is covered to avoid dropping anything downhole.

### **Hazard ID**

Identify hazards with the crew as they come up during the job. Stop and review and discuss JSAs.

### **Scale and Paraffin Samples**

When removing rods and/or tubing from a well, collect samples of any paraffin and/or scale.

When drilling, note, report and sample significant returns of scale or paraffin, or anything other significant returns. Assume that samples that come from different areas/environments in the well are different and require a different sample; e.g. top/bottom of well, inside outside of tubing. Always collect enough sets of samples for both Production and D&C Chemical Reps. Send any samples to Chemical Reps., both for

1) Production (many times Baker), as well as for

2) D&C (many times PetroPlex).

Discuss D&C's Chemical Rep's recommendations with Engineering, or simply implement as practical.

### **Trapped Pressure**

Recognize whether the possibility of trapped pressure exists, check for possible obstructions 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, e-line or rods to verify no obstruction. 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.



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### **Wireline**

For all wireline and slickline jobs (except in new, cemented, tested and unperforated casing) install wireline packoff and lubricator. Follow Standard Guideline for installing equipment over wellhead. Test to 250 on the low end, and test on the high end based on SITP or max. anticipated pressure. Establish exclusion zone around wellhead area. Observe and enforce radio silence as needed for explosives. All wireline tools are to be calipered and documented on a diagram prior to PU and RIH. This is critical information in the event of fishing operations.

### **Foam clean out hazard mitigation**

- 1 Install flowback manifold with two chokes. All components on flowback manifold must be rated to at least 5,000 psi. If possible, flowback manifold components should be hydrotested before delivery.
- 2 Run dart type float in bit sub bored for a float. Install open top flowback tank downwind from rig.
- 3 NU stripper head with **NO Outlets** (Check stripper cap for thread type - course threads preferred). Stripper head to be stump tested to 1,000 psi before use for foam operations.
- 4 Clear floor of all personnel while breaking circulation and anytime they are not required.
- 5 Pump high quality foam at all times. Do not pump dry air at any time. Fluid injection rates will generally be above 12 gallons per minute
- 6 Whenever there is pressure on the stripper head, have a dedicated person continuously monitor pressure at choke manifold and have a dedicated person at accumulator ready to close annular BOP in case stripper leaks.
- 7 Do not allow pressure on stripper head to exceed 500 psi. If pressure cannot be controlled below 500 psi, stop pumping, close BOP and bleed off pressure.
- 8 Ensure that high quality, stiff foam is pumped while circulating in lateral. Stiff foam is required to prevent segregation while circulating along lateral. Monitor flow and pressures carefully when cleaning out the lateral as well will begin to unload very rapidly when foam "turns the corner".
- 9 Before rigging up power swivel to rotate, carefully inspect Kelly hose to ensure that it is in good condition. Ensure that swivel packing is in good condition. Visually inspect and caliper elevators and bail on swivel.
- 10 POOH LD workstring & bit. Pump kill fluid down tubing to put tubing on vacuum to help eliminate trapped pressure before breaking out string floats. Have foam-air hand on location during this process. He should employ a special tool to check for pressure under floats.

State of New Mexico  
Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**Jami Bailey, Division Director**  
Oil Conservation Division



Administrative Order DHC-4655  
Order Date: March 21, 2014  
Application Reference Number: pMAM1406659006

Chevron USA, Inc.  
15 Smith Road  
Midland, TX 79705

Attention: Abdullahi Sule, Jr.

F. B. Davis No. 10  
API No. 30-025-35125  
Unit C, Section 8, Township 23 South, Range 37 East, NMPM  
Lea County, New Mexico

Pool	TEAGUE; GLORIETA-UPPER PADDOCK, SW	Oil	58595
Names:	TEAGUE; LOWER PADDOCK-BLINEBRY, N	Associated	96314

Reference is made to your recent application for an exception to 19.15.12.9A. NMAC of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of 19.15.12.11A. NMAC, and since reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion or otherwise required separation of the zones is hereby placed in abeyance.

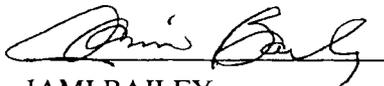
In accordance with 19.15.12.11A.(6) NMAC, the production attributed to any commingled pool within the well shall not exceed the allowable applicable to that pool.

Assignment of allowable and allocation of production from the well shall be as follows:

TEAGUE; GLORIETA-UPPER PADDOCK, SW (OIL) POOL	Pct Gas: 6	Pct Oil: 44
TEAGUE; LOWER PADDOCK-BLINEBRY, N (ASSOCIATED) POOL	Pct Gas: 94	Pct Oil: 56

REMARKS: The operator shall notify the Division's district I office upon implementation of commingling operations.

Pursuant to 19.15.12.11B. NMAC, the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.



JAMI BAILEY  
Director

JB/prg

cc: New Mexico Oil Conservation Division – Hobbs