

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-35028
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator CHEVRON U.S.A. INC.		6. State Oil & Gas Lease No.
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705		7. Lease Name or Unit Agreement Name F.B. DAVIS
4. Well Location Unit Letter: C 960 feet from NORTH line and 2245 feet from the WEST line Section 8 Township 23S Range 37E NMPM County LEA		8. Well Number 8
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3327' GL		9. OGRID Number 4323
		10. Pool name or Wildcat PADDOCK

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: SQUEEZE PADDOCK

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER:

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON INTENDS TO SQUEEZE A WATER PRODUCING FORMATION AND RETURN THE WELL BACK TO PRODUCTION.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE AND WELLBORE DIAGRAM.

DURING THIS PROCESS, WE PLAN TO USE THE CLOSED LOOP SYSTEM WITH A STEEL TANK AND HAUL TO THE REQUIRED DISPOSAL, PER THE OCD RULE 19.15.17.

Spud Date:  Rig Release Date:

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

SIGNATURE Denise Pinkerton

TITLE REGULATORY SPECIALIST

DATE 11/14/2014

Type or print name DENISE PINKERTON  
For State Use Only

E-mail address: [leakejd@chevron.com](mailto:leakejd@chevron.com)

PHONE: 432-687-7375

APPROVED BY: [Signature]  
Conditions of Approval (if any):

TITLE Petroleum Engineer

DATE 11/18/14

NOV 19 2014



WELL NAME: F B Davis #8

API #: 30-025-35028 CHEVNO: HA0448

OPERATOR: Chevron Midcontinent, L.P.

LOCATION: 960' FNL & 2245' FEL Sec.8 TwnShp: 23S Range: 37E

SPUD: 1/1/1970

PERMIT: OIL

**The purpose of this workover is to squeeze a water producing formation and return well back to production. This procedure is meant to be a guide only. 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)  
Jose Iglesias (Field Specialist) 575-441-5676 (C)  
Sammy Garza (Field Specialist) 575-441-4203 (C)

**Wellwork Schematic:**

Page #7

**PRE-WORK:**

1. Complete the rig move checklist.
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.
7. Notify ALCR of our Route Plan and when we will be rigging up. Estimate when the Rod and Tubing details will need to be communicated and notify ALCR.

**PROCEDURE:**

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).



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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 III configured 7-1/16" 5M** remotely-operated hydraulically-controlled BOP, **2-7/8"** pipe rams over blind rams. NU EPA pan.
  - ◆ Function Test BOPE prior to installing to WH.
  - ◆ Keep Chart from vendor throughout job.
11. ND wellhead, NU BOP dressed with 2-7/8" pipe rams on top and blind rams on btm. NU EPA equipment & RU floor. PU 1 jt 2-7/8" tbg. PU 5-1/2", 17# 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.

**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. MIRU Archer Wireline, RIH w/gauge ring to **5300'** to ensure casing is clean.
13. RIH with Composite plug and set @ **5260'**. PU and set down on CBP to ensure it set. RIH with dump bailer and dump 20' of cmt on top of CBP. POOH
14. PU/RIH w/ 5 1/2" PKR and set @ **5225'** pressure test CBP to **1000** psi. **Note test results in WellView.**
15. Release PKR and PUH to **5050'**, set pkr and record squeeze pressures and rates. **Notify Kevin Jones on results.**
16. POOH w/PKR standing back WS.
17. PU/RIH w/ 5 1/2" CICR and set @ **5050'**
18. Ensure circulation thru CICR.
19. MIRU Cement Crew and equipment.
20. Pump 100 sks of Class C Neat cement, taking returns to surface casing valve. Flush cement w/28 bbls of fresh down tubing. Shut in Surface Casing Valve. (Capacity 4 bbls, 17sks, 1.32 yield.)
21. Sting out of CICR & POOH with tubing to **4000'** and circulate tubing clean, two volumes =~50bbls.



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22. POOH standing back tubing. WOC overnight allow for min. of 12 hours.

23. 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	~ 4800'
Inline Tubing Check	1
2 7/8" L-80	~1265'

24. Tag top of cement and note in Wellview.

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

26. Clean out fill to **5240'**. (See Supplemental SOG for Foam Air operations)

27. Pressure test the casing to **500** psi, contact **Kevin Jones** with results,

- If casing holds proceed to step 30.
- If casing does not hold contact **Kevin Jones**.

28. Continue clean out to **6185'**. (See Supplemental SOG for Foam Air operations)

29. POOH and LD BHA.

30. MIRU Hydrotesters.

**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.**

31. PU RIH w/ 5 1/2" 15.5# Arrow Set 10K pkr, ON-OFF tool w/2.25" frac hardened profile on 2 7/8" 6.5 L-80 WS. Hydrotest tubing in hole to **7,000** psi. Set PKR @ **~5400**.

32. 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 6000 psi. Near wellbore acidize @ **2 BPM w/Max Surface Psi of 6000#** from **5,444'-5,910'** with 5000 gals 15% HCl slurry:

Additive	Amount
I-10H, H2S Embrittlement Inhibitor	1 GPT
I-8	2 GPT
FENX, Iron Control	40 lbs PT
Acetic Acid	10 GPT
P-3 Low Surface Wetting Agent	3 GPT
FE/AS -2X	12 GPT



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33. Keep **300 psi** on backside throughout Acid job to monitor for communication.
34. Record ISIP, 5-Min, 10-Min, 15-min. RD & release Petroplex.
35. Release PKR, POOH w/ 2 7/8" WS standing back, LD PKR.
36. **Prior to this step, contact Production Engineer (Abdul Sule) to discuss necessity of swabbing after swabbing the first 300 bbls of fluid.** PU & RIH with 5-1/2" pkr on 2-7/8 workstring. Set pkr at **3100'**. RU swabbing equipment.

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

37. 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.
38. Release pkr. POOH laying down 2 7/8" workstring and LD packer.
39. PU Production BHA and RIH hydrotesting production tubing to **6000 psi**. (*Space out per ALCR Recommendations*)
40. NDBOPE, NUWH.
41. RIH w/Pump and Rods (*Per ALCR Rod design*)

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

42. Check pump action with pumping unit.
43. Clean location, RDMO, Notify ALCR and production, Complete Wellwork Transfer of Ownership form. Turn well back to Production. (contacts on first page). **Send completed Wellwork Transfer of Ownership form to KJCY@Chevron.com.**



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## STANDARD GUIDELINES

### **Maximum Anticipated H<sub>2</sub>S 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 H<sub>2</sub>S that an individual could be exposed to is 2400 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.



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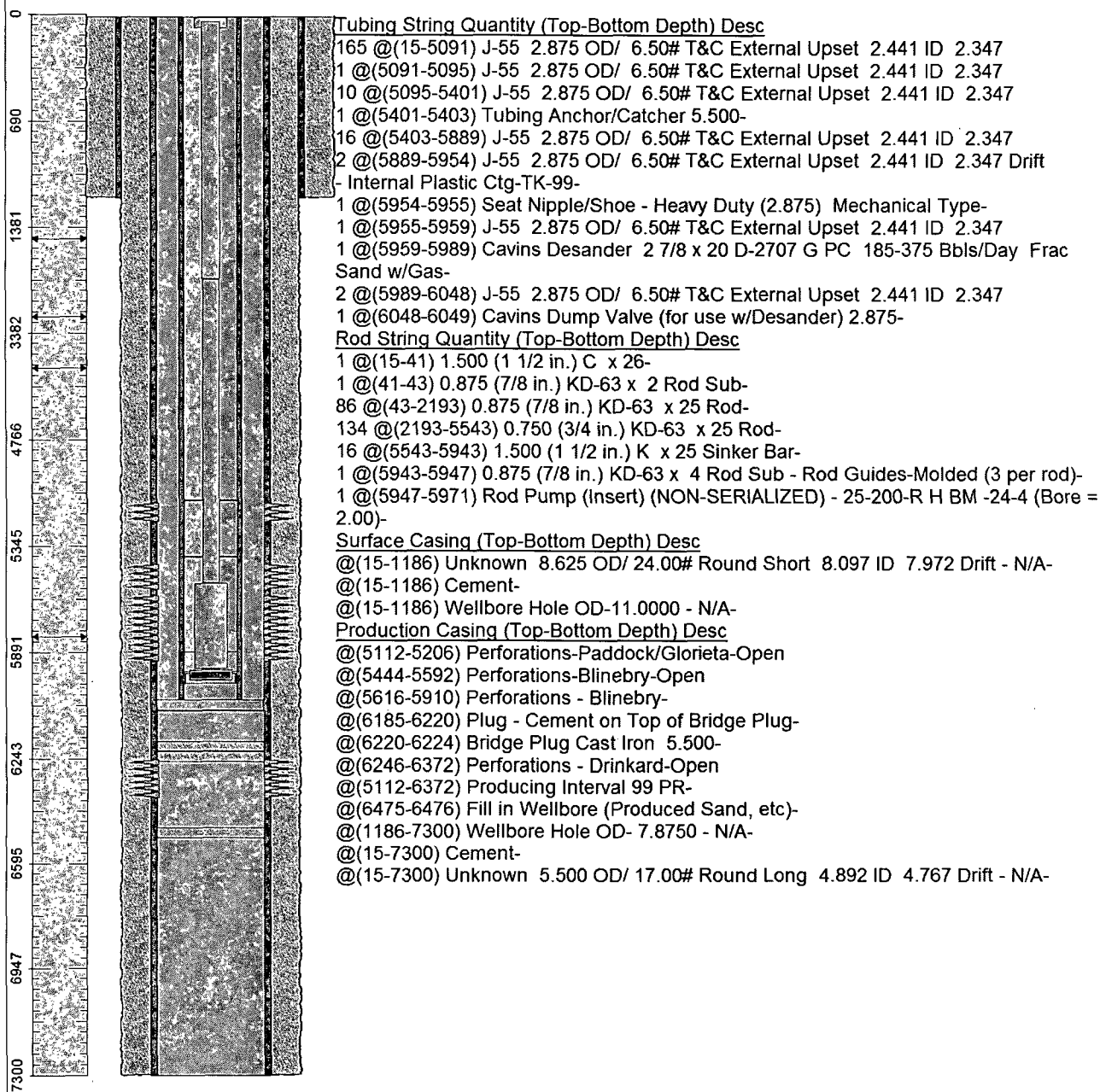
PERMIT: OIL

Surface	8 5/8	24.00	K-55	ST&C	1,200
Production Casing	5 1/2	17.00	K-55	LT&C	7,300
<b>Tubing Strings</b>					
<Des> set at <depth> btm on 4/24/2014 13:00					
Tubing Description		Run Date		String Length (ft)	Set Depth (ft) (K&B)
		4/24/2014			
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)
					Btm (ft) (K&B)
<b>Tubing - Production set at 6,039.1 ft btm on 5/24/2014 11:00</b>					
Tubing Description		Run Date		String Length (ft)	Set Depth (ft) (K&B)
Tubing - Production		5/24/2014		6,025.05	6,039.1
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)
					Btm (ft) (K&B)
Tubing	165	2 7/8	6.50	J-55	5,076.05
Marker Sub	1	2 7/8			4.00
Tubing	10	2 7/8	6.50	J-55	305.69
TAC	1	2 7/8			2.35
Tubing	16	2 7/8	6.50	J-55	485.64
TK-99	2	2 7/8		J-55	55.44
Mechanical Seat Nipple	1	2 7/8			0.85
Sub	1	2 7/8			4.00
Desander (cavins)	1	2 7/8			20.48
Tubing	2	2 7/8	6.50	J-55	59.76
Dump Valve		2 7/8			0.80
<b>Rod Strings</b>					
<b>WCN D-78 on 5/27/2014 14:00</b>					
Rod Description		Run Date		String Length (ft)	Set Depth (ft) (K&B)
WCN D-78		5/27/2014		5,957.00	5,954.5
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)
					Btm (ft) (K&B)
Polished Rod	1	1 1/2		C	26.00
Sucker Rod	1	7/8	2.22	D	2.00
Sucker Rod	86	7/8	2.22	D	2,150.00
Sucker Rod	134	3/4	1.63	D	3,350.00
Sinker Bar	16	1 1/2	6.01	K	400.00
Pony Rod	1	7/8			4.00
Rod Insert Pump	1	1 1/4			24.00
Gas Anchor	1	1 1/4			1.00
<b>Perforations</b>					
Date	Top (ft) (K&B)	Btm (ft) (K&B)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
5/16/2014	5,112.0	5,206.0	3.0		
5/1/2014	5,444.0	5,448.0	3.0	204	
5/1/2014	5,460.0	5,466.0	3.0		
5/1/2014	5,472.0	5,482.0	3.0		
5/1/2014	5,486.0	5,496.0	3.0		
5/1/2014	5,514.0	5,522.0	3.0		
5/1/2014	5,538.0	5,548.0	3.0		
5/1/2014	5,570.0	5,576.0	3.0		
5/1/2014	5,582.0	5,592.0	3.0		
3/31/2014	5,616.0	5,910.0			
7/22/2000	5,296.0	5,372.0	0.0	152	



## Chevron U.S.A. Inc. Wellbore Diagram : DAVISFB8DHC

<b>Lease:</b> OEU EUNICE FMT		<b>Well No.:</b> DAVIS, F. B. 8 DHC 8 DHC		<b>Field:</b> FLD-NM TEAGUE NORTH	
<b>Location:</b> 960FNL2245FEL		<b>Sec.:</b> N/A		<b>Blk:</b>	<b>Survey:</b> N/A
<b>County:</b> Lea	<b>St.:</b> New Mexico	<b>Refno:</b> HA0448		<b>API:</b> 3002535028	<b>Cost Center:</b> UCU820600
<b>Section:</b> E037		<b>Township:</b> 8 S			<b>Range:</b> S023 E
<b>Current Status:</b> ACTIVE				<b>Dead Man Anchors Test Date:</b> 08/29/2012	
<b>Directions:</b>					



<b>Ground Elevation (MSL):</b> 3327.00	<b>Spud Date:</b> 06/30/2000	<b>Compl. Date:</b> 01/01/1970
<b>Well Depth Datum:</b> Kelly Bushing	<b>Elevation (MSL):</b> 3342.00	<b>Correction Factor:</b> 15.00
<b>Last Updated by:</b> fitecl	<b>Date:</b> 06/25/2014	