Submít 1 Copy To Appropriate District	State of New M	lexico	Form C-103	
Office District_I – (575) 393-6161	Energy, Minerals and Nat	ural Resources	Revised July 18, 2013	
1625 N. French Dr., Hobbs, NM 88240			WELL API NO.	
<u>District II</u> – (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION		30-025-35028	
District III - (505) 334-6178	1220 South St. Fra	ancis Dr.	5. Indicate Type of Lease STATE FEE 🔀	
1000 Rio Brazos Rd., Aztec, NM 87410 District IV – (505) 476-3460	Santa Fe, NM 8	37505	6. State Oil & Gas Lease No.	
1220 S. St. Francis Dr., Santa Fe, NM	,		o. State on & Gas Lease No.	
87505 SUNDRY NOTI	CES AND REPORTS ON WELL	.S	7. Lease Name or Unit Agreement Name	
(DO NOT USE THIS FORM FOR PROPOS	ALS TO DRILL OR TO DEEPEN OR P	LUG BACK TO A		
DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.)	ATION FOR PERMIT <sup>™</sup> (FORM C-101)	FOR SUCHCD	F.B. DAVIS	
1. Type of Well: Oil Well			8. Well Number 8	
2. Name of Operator CHEVRON U.S.A. INC.		NOV 17 2014	9. OGRID Number 4323	
3. Address of Operator			10. Pool name or Wildcat	
15 SMITH ROAD, MIDLAND, T	EXAS 79705	RECEIVED	PADDOCK	
4. Well Location		<b>P</b> -		
	t from NORTH line and 2245 f			
Section 8	Township 23S	<u> </u>	NMPM County LEA	
	11. Elevation (Show whether D 3327' GL	R, RKB, RT, GR, etc		
12. Check A	Appropriate Box to Indicate	Nature of Notice.	, Report or Other Data	
		1	•	
PERFORM REMEDIAL WORK	PLUG AND ABANDON		RILLING OPNS. P AND A	
		CASING/CEMEN		
CLOSED-LOOP SYSTEM				
OTHER: SQUEEZE PADDOCK		OTHER:		
			nd give pertinent dates, including estimated date	
of starting any proposed wo proposed completion or reco		AC. For Multiple Co	ompletions: Attach wellbore diagram of	
proposed completion of ree	Sinpletion.			
CHEVRON INTENDS TO SQUEEZ PRODUCTION.	LE A WATER PRODUCING FO	RMATION AND R	ETURN THE WELL BACK TO	
PLEASE FIND ATTACHED, THE	INTENDED PROCEDURE AND	WELLBORE DIA	GRAM.	
DURING THIS PROCESS, WE PLA	AN TO USE THE CLOSED LOC	P SYSTEM WITH	A STEEL TANK AND HAUL TO THE	
REQUIRED DISPOSAL, PER THE	OCD RULE 19.15.17.			
, Spud Date:	Rig Release I	Date:		
I hereby certify that the information	above is true and complete to the	best of my knowled	ge and belief.	
R -	Dilton			
SIGNATURE A Phise	TITLE REC	GULATORY SPECI	IALIST DATE 11/14/2014	
Type or print name DENISE PINK For State Use Only	ERTON E-mail addre	ess: <u>leakejd@chevr</u>	on.com PHONE: 432-687-7375	
		Petroleum Engine	er	
APPROVED BY:	TITLE	etroleum Engine	DATE_///8/14	
Conditions of Approval (if any):				

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NOV 1 9 2014



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).



- 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**<sup>'</sup>. PU and set down on CBP to ensure it set. RIH with dump bailer and dump 20<sup>'</sup> 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.
- F B Davis #8 Squeeze Paddock



- 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 ½" 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



- 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.



#### 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 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 <u>before</u> 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 <u>during ND/NU</u> 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.



# 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

#### 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 <u>NO Outlets</u> (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.



#### 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: <u>1/1/1970</u>

PERMIT: <u>OIL</u>

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Tubing       16       2 7.8       6.50       J-55       4485.64       5,887.7         TK-99       2       2 7.8       J-55       65.44       5,953.2         Mechanical Seat Nipple       1       2 7.78       0.35       6,5958.0         Sub       1       2 7.78       20.48       5,958.0         Dessnder (covins)       1       2 7.78       20.48       5,958.0         Dump Valve       2       2 7.78       0.080       6,039.3         Rod Strings       2       2 7.78       0.080       6,039.3         WCN D-78 on 5/27/2014       5/27/2014       5,957.00       5,954.5         Sold Description       5/27/2014       5,957.00       5,954.5         WCN D-78       7.45       60.00       Srede       10.00         Polished Rod       1       11/2       C       26.00       22.55         Sucker Rod       134       3/4       1.63       D       3,350.00       ,25,954.5         Sinker Bar       16       11/2       6.01       K       4000.0       5,9554.5         Sinker Bar       16       11/2       6.01       K       4000.0       5,9554.5         Sinker Bar       5,4650.					0.00				
TK-99       2       2       7/8       J-55       65.44       5,953.2         Mechanical Seat Nipple       1       2       7/8       0.385       5,953.0         Sub       1       2       7/8       0.385       5,953.0         Sub       1       2       7/8       4.00       5,958.0         Dessender (cevins)       1       2       7/8       2.0.48       5,978.0         Tubing       2       2       7/8       0.80       6,039.3         Dump Valve       2       2       7/8       0.80       6,039.4         Rod Strings       2       7/8       0.80       6,039.4         WCN D-78       5/27/2014       5/957.00       5,957.0       5,957.0       5,957.6       5/957.5       5/9			-		6 E0				
Machanical Seat Nipple         1         2 7/8         0.85         5/3540           Sub         1         2 7/8         4.00         5,9580           Desander (cavins)         1         2 7/8         20.48         5,9780           Dump Valve         2         2 7/8         6.50         J-55         55.76         5,0038.3           Dump Valve         2         2 7/8         6.50         J-55         55.76         5,0038.3           Rod Strings         2         2 7/8         0.80         6,0039.4           WCN D-78         5/27/2014         20.60         5,957.00         5,954.5           WCN D-78         5/27/2014         5/27/2014         5,957.00         5,954.5           Polished Rod         1         11/2         C         26.00         23,55           Sucker Rod         134         3/4         1.63         D         3,350.00         25,525.5           Sucker Rod         1         11/2         6.01         K         4000         5,925.5           Sucker Rod         1         1.1/4         2.22         D         2,150.00         2,525.5           Sucker Rod         1         1.1/2         6.01         K         40		,			ື່ວ.ວຽ			2 1 1 W W W W W W W W W W W W W W W W W	
Sub         1         2 7/8         4.00         5.958.0           Desander (cavins)         1         2 7/8         20.48         5.978.5           Tubing         2         2 7/8         5.0         J-55         59.76         5.038.5           Dump Valve         2 7/8         5.0         J-55         59.76         5.038.5           Dump Valve         2 7/8         0.80         6.039.1           Rod Strings         380         5.957.00         5.952.55           Sucker Rod         1         17.8         2.22         D         2.000         2.25.5         5.960.00         5.952.55         5.95						J-55			
Desander (cavins)         1         2 7/8         20.48         5.878.5           Tubing         2         2 7/8         6.50         J-55         59.76         60338.3           Dump Valve         2 7/8         6.50         J-55         59.76         6039.4           Rod Strings         2 7/8         0.80         6039.4         6039.4           WCN D-78 on 5/27/2014         5/27/2014         5/957.00         5.954.5           WCN D-78         5/27/2014         5/957.00         5.954.5           Polished Rod         1         11/2         C         26.00         29.55           Sucker Rod         1         17/8         2.22         D         2.00         29.55           Sucker Rod         134         3/4         1.63         D         3.350.00         5/525.55           Sucker Rod         14         1/2         6.01         K         400.00         5.95925.55           Sucker Rod         134         3/4         1.63         D         3.350.00         5/525.55           Sucker Rod         1         1/4         4.00         5/5929.55         5           Rod Insert Pump         1         1/1/4         24.00         5/5959.56		1	-					· · · · · · · · · · · · · · · · · · ·	
Tubing         2         2         7/8         5.50         J-55         59.76         6.038.3           Dump Valve         2         2.7/8         0.80         6.0391           Rod.Strings         2         2.7/8         0.80         6.0391           Rod.Strings         5.957.00         5.957.00         5.957.00         5.954.5           WCN D-78         0.90         1         1.1/2         C         26.00         23.5           Sucker Rod         1         1.7/8         2.22         D         2.00         23.5           Sucker Rod         134         3.44         1.63         D         3.350.00         5.957.55           Sucker Rod         134         3.44         1.63         D         3.350.00         21.75.5           Sucker Rod         134         3.44         1.63         D         3.350.00         5.952.55           Sinker Bar         16         1.1/2         6.01         K         40.00         5.952.55           Sonker Rod         1         1.1/4         2.00         5.952.55         5.952.55           Sonker Bar         1.6         1.1/2         5.01         K         4.00         5.952.55			-					5,958.0	
Dump Valve         2 7/8         0.80         50.00         22.00         22.55         50.00         22.150.00         22.175.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         22.155.55         50.00         50.00         50.00         50.00         50.00         50.00         50.00         50.00         50.00         50.00         50.00	Desander(cavins)		1	2 7/8			20.48	5,978,5	
Rod Strings         WCN D-78 on 5/27/2014 14:00         Rem Description         String Length (5)         Set Depth (5/4)           North D-78         5/27/2014         5/957/00         5.954.5         Set Depth (5/4)         Set Dep	Tubing		2	2 7/8	5.50	J-55	59.76	/x ( <b>5</b> :038.3)	
WCND-78 on 5/27/2014 14:00         Rm Delte         Bits of Length (5)         Ret Depth (5:43)           Rod Description         Rm Delte         Sig27/2014         Sig27/2014 <td>Dump Valve</td> <td></td> <td></td> <td>2 7/8</td> <td></td> <td></td> <td>0.80</td> <td>5.039.1</td>	Dump Valve			2 7/8			0.80	5.039.1	
WCND-78 on 5/27/2014 14:00         Rm Delte         Bits of Length (5)         Ret Depth (5:43)           Rod Description         Rm Delte         Sig27/2014         Sig27/2014 <td>Rod Strings</td> <td></td> <td></td> <td></td> <td></td> <td>ور دوری در این مشرکه افغان با در این در این م</td> <td></td> <td></td>	Rod Strings					ور دوری در این مشرکه افغان با در این در این م			
Root Description         Rar. Date:         Plangellengty (2)         Bate Depoin (4/2)           WCN D-78         000 (n)         Wr (bitt)         Grade         Len (b)         5,957.00         5,954.5           Polished Rod         1         1 1/2         C         26.00         223.5           Sucker Rod         1         1 1/2         C         26.00         223.5           Sucker Rod         86         7/8         2.22         D         2.150.00         221.755           Sucker Rod         134         3/4         1.63         D         3.350.00         25.9525.5           Sinker Bar         16         1 1/2         5.01         K         400.00         5.925.5           Pony Rod         1         7/8         4.00         5.925.5         5.925.5           Rod Insert Pump         1         1 1/4         24.00         5.925.5           Gas Anchor         1         1 1/4         24.00         5.925.5           Sid/2014         5.412.0         5.206.0         3.0         204         5.925.5           Sid/2014         5.450.0         5.448.0         3.0         204         5.925.55           Sid/2014         5.450.0         5.448.0 <td>WCN D-78 on 5/27/201</td> <td>4 14:00</td> <td>(1) (1) (1) (1) (1) (1)</td> <td></td> <td>S Frencisser</td> <td>an that the states</td> <td></td> <td>A Margan Cartant</td>	WCN D-78 on 5/27/201	4 14:00	(1) (1) (1) (1) (1) (1)		S Frencisser	an that the states		A Margan Cartant	
Nem Des         Jds         OD (m)         Wt (bxt)         Grede         Len (0)         Ehm (3/LB)           Polished Rod         1         1 1/2         C         26.00         225.5           Sucker Rod         86         7/8         2.22         D         2.00         25.55           Sucker Rod         134         3/4         1.63         D         3.350.00         25.525.55           Sucker Rod         134         3/4         1.63         D         3.350.00         5.525.55           Sinker Bar         16         1 1/2         6.01         K         400.0         5.925.55           Pony Rod         1         7/8         4.00         5.925.55         5.925.55           Rod Insert Pump         1         1 1/4         24.00         5.925.55           Gas Anchor         1         1 1/4         24.00         5.95.954.55           Perforations         Bhn (202)         3.0         204         5.95.954.55           5/1/2014         5.448.0         3.0         204         5.95.954.55           5/1/2014         5.460.0         5.485.0         3.0         204         5.95.95           5/1/2014         5.485.0         5.480.0	Rod Description			Form Cleby	h	Stacg Leas	255 (5)* Set C	eor: (7:43)	
Polished Rod         1         1 1/2         C         26.00         23.5           Sucker Rod         1         7/8         2.22         D         2.00         25.5           Sucker Rod         86         7/8         2.22         D         2.150.00         2.155.5           Sucker Rod         134         3/4         1.63         D         3.350.00         5.525.5           Sinker Bar         16         1 1/2         6.01         K         400.00         5.925.5           Pony Rod         1         7/8         4.00         5.925.5         5.925.5           Rod Insert Pump         1         1 1/4         24.00         5.925.5           Gas Anchor         1         1 1/4         1.00         5.925.45           Perforations         State         State         2.00         5.925.45           State         Top (#GB)         Bmm (#GB)         Bate         2.00         5.925.45           State         Top (#GB)         Bmm (#GB)         State         2.00         5.925.5           State         Top (#GB)         Bmm (#GB)         State         2.00         5.925.45           State         Top (#GB)         S.466.0         3.						State of the	5,957.00		
Sucker Rod         1         7/8         2.22         D         2.00         25,5           Sucker Rod         86         7/8         2.22         D         2,150.00         2,1555           Sucker Rod         134         3/4         1.63         D         3,350.00         2,1555           Sinker Bar         16         1.1/2         6.01         K         400.00         5,925,55           Pony Rod         1         7/8         4.00         5,929,55           Rod Insert Pump         1         1.1/4         24.00         5,929,55           Gas Anchor         1         1.1/4         1.00         5,955,55           Perforations         866         7.8         2.00         5,955,55           Statewed Back         5,929,55         5,929,55         5,929,55         5,929,55           Gas Anchor         1         1.1/4         1.00         5,953,55           Statewed Back         5,929,55         5,929,55         5,929,55         5,953,55           Statewed Back         5,920,55         5,929,55         5,929,55         5,953,55         5,929,55           Statewed Back         5,914,00         5,2050,0         3,0         5,914,00         5,49		15			WE GEVEN	the second se			
Sucker Rod         86         7/8         2.22         D         2,150.00         21755           Sucker Rod         134         3/4         1.63         D         3,350.00         5,5255           Sinker Bar         16         1 1/2         6.01         K         400.00         5,9255           Pony Rod         1         7/8         4.00         5,9295           Rod Insert Pump         1         1 1/4         24.00         5,9595           Gas Anchor         1         1 1/4         24.00         5,9595           Perforations         1         1 1/4         1.00         5,9595           State         Top (tkB)         Binn (tkB)         Extend Stot         Zone & Completion           5(16/2014         5,112.0         5,205.0         3.0         Zone & Completion           5(1/2014         5,444.0         5,465.0         3.0         Zone & Completion           5(1/2014         5,485.0         5,495.0         3.0         Zone & Completion           5(1/2014         5,548.0         5,548.0         3.0         Zone & Completion           5(1/2014         5,570.0         5,576.0         3.0         Zone & Completion           5(1/2014 <t< td=""><td>·</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	·								
Sucker Rod         134         3/4         1.63         D         3.350.00         5.525.5           Sinker Bar         16         1 1/2         6.01         K         400.00         5.925.5           Pony Rod         1         7/8         4.00         5.929.5           Rod Insert Pump         1         1 1/4         24.00         5.929.5           Gas Anchor         1         1 1/4         24.00         5.959.55           Perforations         Top (348)         Bbm (308)         Entered 8tot         2one         5.959.55           5/1/2014         5.112.0         5.206.0         3.0         204         2one         2one & Completion           5/1/2014         5.444.0         5.448.0         3.0         204         2one & Completion           5/1/2014         5.472.0         5.482.0         3.0         204         2one & Completion           5/1/2014         5.472.0         5.482.0         3.0         2one & Completion         2one & Completion           5/1/2014         5.472.0         5.482.0         3.0         2one & Completion         2one & Completion           5/1/2014         5.538.0         5.548.0         3.0         2one & Completion         2one & Completion									
Sinker Bar         16         1 1/2         6.01         K         400.00         5.925.5           Pony Rod         1         7/8         4.00         5.929.5           Rod Insert Pump         1         1 1/4         24.00         5.953.5           Gas Anchor         1         1 1/4         1.00         5.953.5           Perforations         1         1 1/4         1.00         5.954.5           Sinker Bar         Top.(%B)         Bim (%B)         Entered Shot         2one & Completion           5(1.5/2014         5.444.0         5.448.0         3.0         204         204           5(1/2014         5.472.0         5.482.0         3.0         204         204           5(1/2014         5.472.0         5.482.0         3.0         204         204           5(1/2014         5.472.0         5.482.0         3.0         204			1	7/8		D	2.00	25,5	
Pony Rod         1         7/8         4.00         5,929.5           Rod Insert Pump         1         1 1/4         24.00         5,959.55           Gas Anchor         1         1 1/4         1.00         5,959.55           Perforations         1         1 1/4         1.00         5,959.55           Date         Top (200)         Bbm (200)         Estend Stot         2016 & Completion           5(1,5/2014         5,112.0         5,205.0         3.0         2014           5(1,5/2014         5,464.0         5,465.0         3.0         2014           5(1,2014         5,472.0         5,482.0         3.0         2014           5(1/2014         5,472.0         5,482.0         3.0         2014           5(1/2014         5,472.0         5,482.0         3.0         2014           5(1/2014         5,472.0         5,482.0         3.0         2014           5(1/2014         5,538.0         5,548.0         3.0         2014           5(1/2014         5,570.0         5,576.0         3.0         2014           5(1/2014         5,582.0         5,592.0         3.0         2014           5(1/2014         5,582.0         5,592.0	Sucker Rod		1	7/8 7/8	2.22	D	2.00 2,150.00	25,5	
Rod Insert Pump         1         1 1/4         24.00         5,953/5           Gas Anchor         1         1 1/4         1.00         5,953/5           Perforations         Shot         Entered Shot         2016 & Completion           Date         Top (2KB)         Box (2KB)         Shot (2KB)         Entered Shot           5(1,5/2014         5,112,0         5,205,0         3.0         2014           5(1,5/2014         5,444,0         5,448,0         3.0         204           5(1/2014         5,460,0         5,456,0         3.0         204           5(1/2014         5,472,0         5,482,0         3.0         204           5(1/2014         5,472,0         5,482,0         3.0         204           5(1/2014         5,472,0         5,482,0         3.0         204           5(1/2014         5,538,0         5,548,0         3.0         205           5(1/2014         5,538,0         5,548,0         3.0         205           5(1/2014         5,582,0         5,592,0         3.0         205           5(1/2014         5,582,0         5,592,0         3.0         205           5(1/2014         5,615,0         5,910,0         205 </td <td>Sucker Rod</td> <td></td> <td>1 86 134</td> <td>7/8 7/8 3/4</td> <td>2.22 1.63</td> <td>D D D</td> <td>2.00 2,150.00</td> <td>25,5</td>	Sucker Rod		1 86 134	7/8 7/8 3/4	2.22 1.63	D D D	2.00 2,150.00	25,5	
Gas Anchor         1         1 / 1 / 4         1.00         5.9545           Perforations         Stoct         Dess         Top (3K8)         Btm (3K8)         Entered Stoct         Zone & Completion           5(1,5/2014         5,112.0         5,205.0         3.0         Entered Stoct         Zone & Completion           5(1,5/2014         5,444.0         5,465.0         3.0         204         2014         2014           5(1,2014         5,472.0         5,482.0         3.0         204         2014         2014           5(1/2014         5,472.0         5,482.0         3.0         2014         2014         2014           5(1/2014         5,472.0         5,482.0         3.0         2014         2014         2014           5(1/2014         5,514.0         5,522.0         3.0         2014         2014         2014           5(1/2014         5,538.0         5,548.0         3.0         2014	Sucker Rod Sucker Rod		1 86 134	7/8 7/8 3/4	2.22 1.63	D D D	2.00 2,150.00 3,350.00	25,5 2,175,5 ( ,,*5,525,5)	
Perforations         Shot Desc         Entered Shot Desc         Entered Shot           5(1,5/2014         5,112,0         5,205,0         3.0         Zone & Completion           5(1,5/2014         5,444,0         5,448,0         3.0         204           5(1,2014         5,464,0         5,465,0         3.0         204           5(1,2014         5,460,0         5,465,0         3.0         204           5(1,2014         5,472,0         5,482,0         3.0         204           5(1,2014         5,472,0         5,482,0         3.0         204           5(1,2014         5,472,0         5,482,0         3.0         204           5(1,2014         5,472,0         5,482,0         3.0         204           5(1,2014         5,538,0         5,548,0         3.0         204           5(1,2014         5,538,0         5,548,0         3.0         204           5(1,2014         5,582,0         5,576,0         3.0         204           5(1,2014         5,582,0         5,592,0         3.0         204           5(1,2014         5,516,0         5,910,0         3.0         204	Sucker Rod Sucker Rod Sinker Bar		1 86 134 16	7/8 7/8 3/4 1 1/2	2.22 1.63	D D D	2.00 2,150.00 3,350.00 400.00	25,5 2,175,5 (5,525,5) 5,925,5	
Perforations         Shot Detector         Entered Shot           Date         Top.(#XB)         Btm.(#XB)         Entered Shot           5(15/2014)         5.112.0         5.205.0         3.0           5(1/2014)         5.444.0         5.448.0         3.0         204           5(1/2014)         5.460.0         5.465.0         3.0         204           5(1/2014)         5.465.0         3.0         204           5(1/2014)         5.465.0         3.0         204           5(1/2014)         5.465.0         3.0         204           5(1/2014)         5.472.0         5.482.0         3.0           5(1/2014)         5.485.0         5.495.0         3.0           5(1/2014)         5.538.0         5.548.0         3.0           5(1/2014)         5.538.0         5.576.0         3.0           5(1/2014)         5.538.0         5.576.0         3.0           5(1/2014)         5.582.0         5.592.0         3.0           5(1/2014)         5.582.0         5.592.0         3.0           5(1/2014)         5.615.0         5.910.0         3.0	Sucker Rod Sucker Rod Sinker Bar Pony Rod		1 86 134 16 1	7/8 7/8 3/4 1 1/2 7/8	2.22 1.63	D D D	2.00 2.150.00 3.350.00 400.00 4.00	25,5 2,175,5 5,525,5 5,925,5 5,929,5	
Bits         Bits         Entered Stot           5(15/2014         5,112.0         5,205.0         3.0           5(1,2014         5,444.0         5,448.0         3.0         204           5(1,2014         5,450.0         5,465.0         3.0         204           5(1,2014         5,460.0         5,465.0         3.0         204           5(1,2014         5,460.0         5,465.0         3.0         204           5(1,2014         5,460.0         5,495.0         3.0         204           5(1,2014         5,450.0         5,495.0         3.0         204           5(1,2014         5,436.0         5,495.0         3.0         204           5(1,2014         5,514.0         5,522.0         3.0         204           5(1,2014         5,538.0         5,548.0         3.0         204           5(1,2014         5,570.0         5,576.0         3.0         204           5(1,2014         5,582.0         5,592.0         3.0         204           5(1,2014         5,582.0         5,592.0         3.0         204           5(1,2014         5,615.0         5,910.0         3.0         204	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump		1 86 134 16 1 1	7/8 7/8 3/4 1 1/2 7/8 1 1/4	2.22 1.63	D D D	2.00 2.150.00 3.350.00 400.00 4.00 24.00	25,5 21755 55255 5,9255 5,9295 5,9295	
Defe         Top (2013)         Box (2013)         Box (2013)         Top (2014)         Zone & Completion           5/1/2014         5.444.0         5.448.0         3.0         204         5/1/2014         5.460.0         5.465.0         3.0         204           5/1/2014         5.460.0         5.465.0         3.0         204         5/1/2014         5.472.0         5.482.0         3.0         204           5/1/2014         5.472.0         5.482.0         3.0         3.0         3.0         3.0           5/1/2014         5.472.0         5.495.0         3.0 <td< td=""><td>Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump Gas Anchor</td><td></td><td>1 86 134 16 1 1 1 1</td><td>7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4</td><td>2.22 1.63 6.01</td><td></td><td>2.00 2.150.00 3.350.00 400.00 4.00 24.00 1.00</td><td>25,5 2,1755 5,5255 5,9255 5,9295 5,9595 5,9595</td></td<>	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump Gas Anchor		1 86 134 16 1 1 1 1	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4	2.22 1.63 6.01		2.00 2.150.00 3.350.00 400.00 4.00 24.00 1.00	25,5 2,1755 5,5255 5,9255 5,9295 5,9595 5,9595	
5(15/2014         5,112.0         6,205.0         3.0           5(1,2014         5,444.0         5,448.0         3.0         204           5(1,2014         5,460.0         5,465.0         3.0         204           5(1,2014         5,460.0         5,465.0         3.0         204           5(1,2014         5,460.0         5,465.0         3.0         204           5(1,2014         5,472.0         5,482.0         3.0         204           5(1,2014         5,486.0         5,495.0         3.0         204           5(1,2014         5,514.0         5,522.0         3.0         204           5(1,2014         5,538.0         5,548.0         3.0         204           5(1,2014         5,570.0         5,575.0         3.0         204           5(1/2014         5,582.0         5,592.0         3.0         204           5(1/2014         5,582.0         5,592.0         3.0         204           5(1/2014         5,515.0         5,910.0         3.0         204	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump Gas Anchor		1 85 134 16 1 1 1 1	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4	2.22 1.63 5.01		2.00 2.150.00 3.350.00 400.00 4.00 24.00 1.00	25,5 2,1755 5,5255 5,9255 5,9295 5,9295 5,9535 5,9535	
5)4/2014       5,444.0       5,448.0       3.0       204         5)1/2014       5,460.0       5,465.0       3.0       3.0         5)1/2014       5,472.0       5,482.0       3.0       3.0         5)1/2014       5,472.0       5,482.0       3.0       3.0         5)1/2014       5,472.0       5,482.0       3.0       3.0         5)1/2014       5,486.0       5,495.0       3.0       3.0         5)1/2014       5,538.0       5,522.0       3.0       3.0         5)1/2014       5,538.0       5,548.0       3.0       3.0         5)1/2014       5,570.0       5,576.0       3.0       3.0         5)1/2014       5,582.0       5,592.0       3.0       3.0         5)1/2014       5,616.0       5,910.0       3.0       3.0	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump Gas Anchor Perforations		1 86 134 16 1 1 1 1 1 8 5 8 5 6	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4	2.22	D D D K	2.00 2.150.00 3.350.00 400.00 4.00 24.00 1.00	255 21755 55255 59255 59295 59535 59535 59545	
5/1/2014       5.460.0       5.465.0       3.0         5/1/2014       5.472.0       5.482.0       3.0         5/1/2014       5.472.0       5.482.0       3.0         5/1/2014       5.486.0       5.495.0       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         5/1/2014       5.582.0       5.592.0       3.0         3/31/2014       5.616.0       5.910.0       5.910.0	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump Gas Anchor Perforations	Etm (31-02)	1 86 134 16 1 1 1 1 1 8 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4 1 1/4 1 1/4	2.22 1.63 5.01	D D K	2.00 2.150.00 3.350.00 400.00 4.00 24.00 1.00	25,5 21755 55255 59255 59295 59595 59545	
5/1/2014       5.472.0       5.482.0       3.0         5/1/2014       5.486.0       5.495.0       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       5.538.0       5.548.0       3.0         5/1/2014       5.570.0       5.5750.0       3.0         5/1/2014       5.582.0       5.592.0       3.0         5/1/2014       5.582.0       5.592.0       3.0         5/1/2014       5.615.0       5.910.0       5.910.0	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump Gas Anchor Perforations Top (#KB) 5(15/2014 5,112.0	Btm (202) 5,205.0	1 86 134 16 1 1 1 1 8 8 6 8 10 8 10 8 10 8 10 8	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4 1 1/4 Extent 8 0	2.22 1.63 6.01	D D K	2.00 2.150.00 3.350.00 4.00 24.00 1.00	25,5 2,1755 5,5255 5,9255 5,9295 5,9595 5,9595 5,9545	
5/1/2014         5/486.0         5/495.0         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         5/570.0         5/576.0         3.0           5/1/2014         5/576.0         3.0         3.0           5/1/2014         5/576.0         3.0         3.0           5/1/2014         5/582.0         5/592.0         3.0           5/1/2014         5/516.0         5/910.0         3.0	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump Gas Anchor Perforations Top (#8) 5(16/2014 5,112.0 5(1/2014 5,444.0	Btm (202) 5,205.0	1 86 134 16 1 1 1 1 1 2 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4 1 1/4 Extension 8 8 8 8 9 0 0	2.22 1.63 5.01	D D K	2.00 2.150.00 3.350.00 4.00 24.00 1.00	25,5 2,175,5 2,525,5 5,925,5 5,929,5 5,953,5 5,953,5 5,954,5 5,954,5	
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           5/1/2014         5.582.0         5.592.0         3.0           5/1/2014         5.615.0         5.910.0         3.0	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insett Pump Gas Anchor Perforations 5(16/2014 5,112,0 5)1/2014 5,444,0 5(1/2014 5,460,0	Btm (202) 5,205.0 5,448.0 5,455.0	1 86 134 16 1 1 1 1 1 8 5 6 5 6 5 6 3 3 3 3 3 3	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4 1 1/4 5 5 6 0 0 0	2.22 1.63 5.01	D D K	2.00 2.150.00 3.350.00 4.00 24.00 1.00	25,5 2,175,5 5,525,5 5,925,5 5,929,5 5,953,5 5,953,5 5,954,5 5,954,5	
5/1/2014         5.538.0         5.548.0         3.0           5/1/2014         5.570.0         5.575.0         3.0           5/1/2014         5.582.0         5.592.0         3.0           5/1/2014         5.582.0         5.592.0         3.0           3/31/2014         5.615.0         5.910.0         5.591.0	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insett Pump Gas Anchor Perforations 5(16/2014 5(1/2014 5(460.0 5/1/2014 5(472.0	Btm (503) 5,205,0 5,448,0 5,455,0 5,482,0	1 86 134 16 1 1 1 1 1 2 8 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4 1 1/4 5 5 5 6 0 0 0 0 0	2.22 1.63 5.01 dianot 204	D D K	2.00 2.150.00 3.350.00 4.00 24.00 1.00	25,5 21755 5,5255 5,9255 5,9295 5,953,5 5,953,5 5,954,5 6	
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         5,615.0         5,910.0         5	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insett Pump Gas Anchor Perforations 5(16/2014 5(1/2014 5(460.0 5/1/2014 5(485.0	Bbm (532) 5,205.0 5,448.0 5,465.0 5,482.0 5,495.0	1 86 134 16 1 1 1 1 1 1 2 8 5 6 5 6 5 6 5 6 3 3 3 3 3 3 3 3 3 3 3 3	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4 1 1/4 5 5 5 5 6 0 0 0 0 0 0 0 0	2.22 1.63 5.01 dianot 204		2.00 2.150.00 3.350.00 4.00 24.00 1.00	25,5 21755 5,5255 5,9255 5,9295 5,953,5 5,953,5 5,954,5	
5/1/2014 55582.0 5.5920 3.0 3/31/2014 55615.0 5.910.0 3/31/2014	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insett Pump Gas Anchor Perforations 5(15/2014 5(12014 5(1/2014) 5(1/2014 5(1/2014) 5(1/20	5,465.0 5,495.0 5,495.0 5,495.0 5,495.0 5,495.0	1 86 134 16 1 1 1 1 1 1 3 5 5 5 5 5 5 5 3 3 3 3 3 3	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4 1 1/4 0 0 0 0 0 0 0 0 0	2.22 1.63 5.01		2.00 2.150.00 3.350.00 4.00 24.00 1.00	25,5 21755 5,5255 5,9255 5,9295 5,953,5 5,954,5 5,954,5	
3/31/2014 5.515.0 5.9100	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump Gas Anchor Perforations 5(15/2014 5(15/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(5)538.0	Bbm (528) 5,205.0 5,448.0 5,455.0 5,455.0 5,495.0 5,522.0 5,548.0	1 86 134 16 1 1 1 1 1 1 3 5 5 5 5 3 3 3 3 3 3 3 3 3	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4 1 1/4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.22 1.63 5.01		2.00 2.150.00 3.350.00 4.00 24.00 1.00	25,5 21755 5,5255 5,9255 5,9295 5,953,5 5,954,5 5,954,5	
3/31/2014 (15,515.0, 5,910.0) 7/22/2000 (5,295.0) (5,372.0) 0.0 152	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump Gas Anchor Perforations 5(15/2014 5(15/2014 5(1/2014) 5(1/2014 5(1/2014) 5(1/2014 5(1/2014) 5	5,405.00 5,405.00 5,405.00 5,405.00 5,405.00 5,405.00 5,522.00 5,5248.00 5,576.00	1 86 134 16 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4 1 1/4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2.22 1.63 5.01	D D K	2.00 2.150.00 3.350.00 4.00 24.00 1.00	25,5 21755 5,5255 5,9255 5,9295 5,953,5 5,954,5 5,954,5	
7722/2000 5,295 0 5,372 0 0.0 152	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump Gas Anchor Perforations 5(15/2014 5(15/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(1/2014 5(5) 5(1/2014) 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014 5(5) 5(1/2014)	Bbm (532) 5,205.0 5,448.0 5,455.0 5,495.0 5,495.0 5,522.0 5,548.0 5,576.0 5,576.0 5,592.0	1 86 134 16 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4 1 1/4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2.22 1.63 5.01	D D K	2.00 2.150.00 3.350.00 4.00 24.00 1.00	25,5 2,175,5 5,525,5 5,925,5 5,953,5 5,953,5 5,953,5 5,954,5	
	Sucker Rod Sucker Rod Sinker Bar Pony Rod Rod Insert Pump Gas Anchor Perforations 5016/2014 501/20	Bbm (532) 5,205.0 5,465.0 5,465.0 5,495.0 5,522.0 5,522.0 5,575.0 5,575.0 5,592.0 5,5910.0	1 86 134 16 1 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3	7/8 7/8 3/4 1 1/2 7/8 1 1/4 1 1/4 1 1/4 1 1/4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.22 1.63 5.01 diatect 204	D D K	2.00 2.150.00 3.350.00 4.00 24.00 1.00 22016 \$ Complet	25,5 2,175,5 5,525,5 5,925,5 5,953,5 5,953,5 5,954,5 25,954,5	

Lease: OEU EUNICE FMT Well No.: DA		/IS, F. B. 8 DHC 8 DHC Field: FLD-NM TEAGUE NORTH		AGUE NORTH		
Location: 960FNL2245FEL Sec.: N/A			Blk:	Survey: N/A		
County: Lea St.: New Mexico Refno: HA044		8	API: 3002535028	Cost Center: UCU820600		
Section: E037	Township: 8	S				
Current Status: ACTIVE			Dead Man Ancho	rs Test Date: 08/29/2012		
Directions:						
000         010 <th>165 @(15-5         1 @(5091-5         1 @(5401-5         1 @(5403-2         2 @(5889-5)         - Internal PI         1 @(5954-5         1 @(5955-5         1 @(5955-5         1 @(5959-5         Sand w/Gas         2 @(5989-6         1 @(6048-6         Rod String P         1 @(15-41)         1 @(15-43)         86 @(43-21)         134 @(2193)         16 @(5543-5)         1 @(5947-5)         2.00)-         Surface Cas         @(15-1186)         @(15-1186)         @(15-1186)         @(15-1186)         @(15-1186)         @(15-1186)         @(15-1186)         @(15-1186)         @(15-112-62)         @(620-622)         @(6246-637)         @(15112-637)         @(6475-647)         @(15-7300)         @(15-7300)         @(15-7300)</th> <th>5- 048) J-55 2.875 OD/ 6.5 049) Cavins Dump Valve <u>Quantity (Top-Bottom Dep</u> 1.500 (1 1/2 in.) C x 26- 0.875 (7/8 in.) KD-63 x 2 93) 0.875 (7/8 in.) KD-63 5543) 0.750 (3/4 in.) KD- 5943) 1.500 (1 1/2 in.) K 947) 0.875 (7/8 in.) KD-63 971) Rod Pump (Insert) ( sing (Top-Bottom Depth) 1 Unknown 8.625 OD/ 24. Cement- Wellbore Hole OD-11.00 Casing (Top-Bottom Depth) 00) Perforations-Paddock/ 02) Perforations - Blinebry- 00) Perforations - Blinebry- 00) Perforations - Blinebry- 20) Plug - Cement on Top 24) Bridge Plug Cast Iron 22) Perforations - Drinkard 23) Producing Interval 99 26) Fill in Wellbore (Produ 00) Wellbore Hole OD- 7.8</th> <th>0# T&amp;C External Up 0# T&amp;C External Up 50# T&amp;C External Up 50# T&amp;C External Up 50# T&amp;C External Up 10# T&amp;C Ext</th> <th>set 2.441 ID 2.347 oset 2.441 ID 2.347 oset 2.441 ID 2.347 set 2.441 ID 2.347 Mechanical Type- set 2.441 ID 2.347 C 185-375 Bbls/Day Frac set 2.441 ID 2.347 ) 2.875- I Guides-Molded (3 per rod)- 25-200-R H BM -24-4 (Bore = 097 ID 7.972 Drift - N/A-</th>	165 @(15-5         1 @(5091-5         1 @(5401-5         1 @(5403-2         2 @(5889-5)         - Internal PI         1 @(5954-5         1 @(5955-5         1 @(5955-5         1 @(5959-5         Sand w/Gas         2 @(5989-6         1 @(6048-6         Rod String P         1 @(15-41)         1 @(15-43)         86 @(43-21)         134 @(2193)         16 @(5543-5)         1 @(5947-5)         2.00)-         Surface Cas         @(15-1186)         @(15-1186)         @(15-1186)         @(15-1186)         @(15-1186)         @(15-1186)         @(15-1186)         @(15-1186)         @(15-112-62)         @(620-622)         @(6246-637)         @(15112-637)         @(6475-647)         @(15-7300)         @(15-7300)         @(15-7300)	5- 048) J-55 2.875 OD/ 6.5 049) Cavins Dump Valve <u>Quantity (Top-Bottom Dep</u> 1.500 (1 1/2 in.) C x 26- 0.875 (7/8 in.) KD-63 x 2 93) 0.875 (7/8 in.) KD-63 5543) 0.750 (3/4 in.) KD- 5943) 1.500 (1 1/2 in.) K 947) 0.875 (7/8 in.) KD-63 971) Rod Pump (Insert) ( sing (Top-Bottom Depth) 1 Unknown 8.625 OD/ 24. Cement- Wellbore Hole OD-11.00 Casing (Top-Bottom Depth) 00) Perforations-Paddock/ 02) Perforations - Blinebry- 00) Perforations - Blinebry- 00) Perforations - Blinebry- 20) Plug - Cement on Top 24) Bridge Plug Cast Iron 22) Perforations - Drinkard 23) Producing Interval 99 26) Fill in Wellbore (Produ 00) Wellbore Hole OD- 7.8	0# T&C External Up 0# T&C External Up 50# T&C External Up 50# T&C External Up 50# T&C External Up 10# T&C Ext	set 2.441 ID 2.347 oset 2.441 ID 2.347 oset 2.441 ID 2.347 set 2.441 ID 2.347 Mechanical Type- set 2.441 ID 2.347 C 185-375 Bbls/Day Frac set 2.441 ID 2.347 ) 2.875- I Guides-Molded (3 per rod)- 25-200-R H BM -24-4 (Bore = 097 ID 7.972 Drift - N/A-		
Well Depth Datum: Kelly Bush	hing	Elevation (MSL): 3342	2.00 <b>Corre</b>	ction Factor: 15.00		
Last Updated by: fitecl Date: 06/25/2014						

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

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