

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

SUNDRY NOTICES AND REPORTS ON WELLS (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. 30-025-25733
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other INJECTOR		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input 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 CENTRAL VACUUM UNIT
4. Well Location Unit Letter: M 10 feet from SOUTH line and 1136 feet from the WEST line Section 31 Township 17S Range 35E NMPM County LEA		8. Well Number 093
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 4323
		10. Pool name or Wildcat VACUUM; GRAYBURG SAN ANDRES

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER:	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER FISHING REPORT W/CHART
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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.

PLEASE FIND ATTACHED, REPORTS FOR WORK DONE FROM 10/07/2015 THROUGH 10/15/2015.
ALSO ATTACHED, FIND THE TBG SUMMARY, AND WELLBORE SCHEMATIC.

10/15/2015: RAN CHART. PRESS TO 560 PSI FOR 40 MINUTES.

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 11/05/2015

Type or print name DENISE PINKERTON
For State Use Only

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

APPROVED BY: Marky Brown TITLE Dist. Supervisor

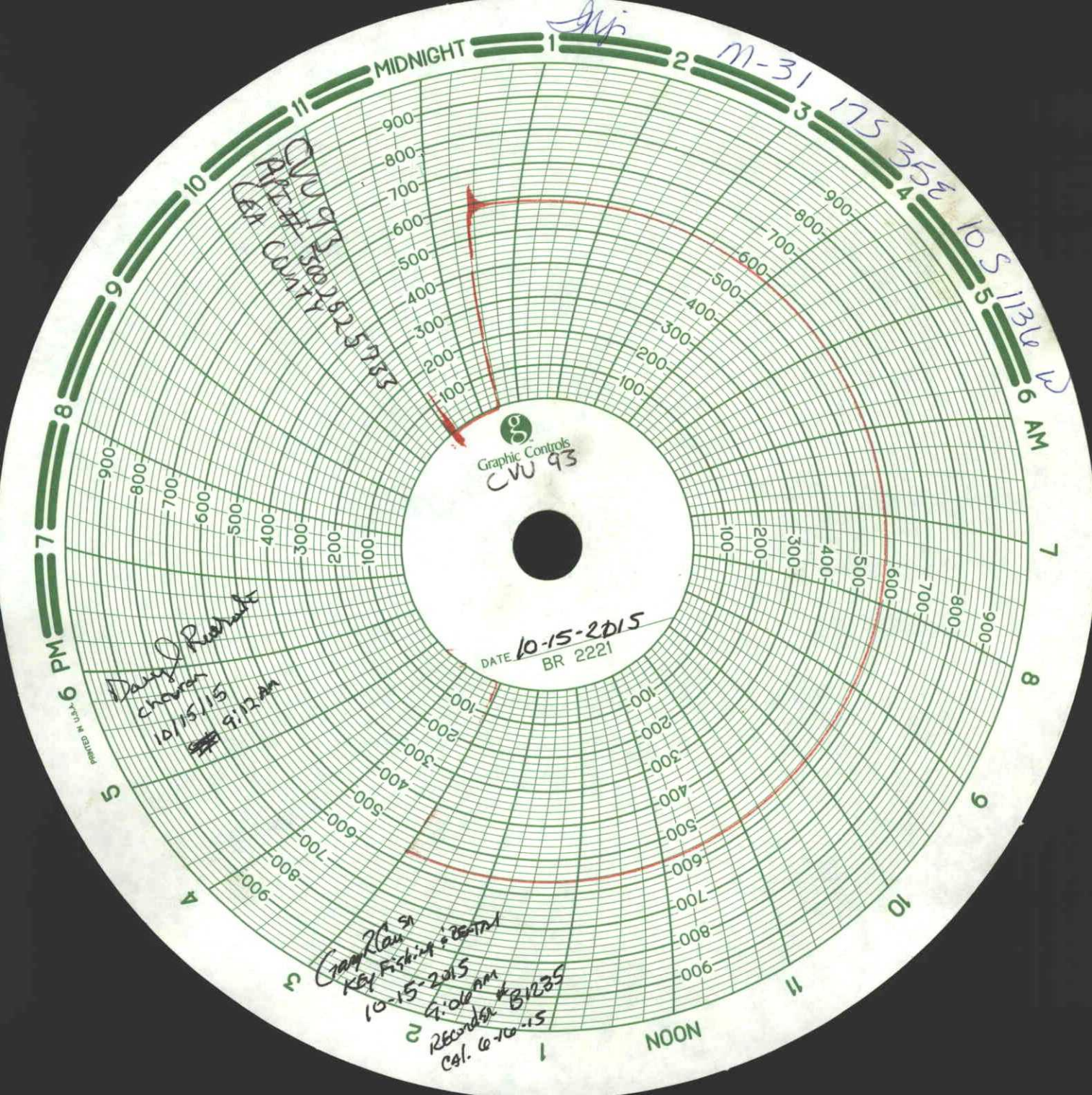
DATE 11/12/2015

Conditions of Approval (if any):

NOV 18 2015

RBMIS
MGB

pm



Graphic Controls
CVU 93

DATE 10-15-2015
BR 2221

Darryl P. Ruchelt
Chowan
10/15/15
9:12 AM

Gary R. Ruchelt
Key Fishing + Boat
10-15-2015
9:06 AM
Recorder # B1235
Cal. 10-10-15



Summary Report

Major Rig Work Over (MRWO)

Fishing

Job Start Date: 10/7/2015

Job End Date: 10/15/2015

Well Name CENTRAL VACUUM UNIT 093		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,982.00	Original RKB (ft) 3,994.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Report Start Date: 10/7/2015

Com

No operations @ well.

JSA's and safety meeting. Discussed days operations of rigging up rig and equipment. Talked over keeping good communications.

Spotted in rig and rigged up pulling unit. Set in tanks and rigged up reverse unit and hoses.

Both valves on wellhead tree are bad and need to be replaced. SITP was 1000 psi. Flowed down well. 80% CO2, 20% water and gas. Pressure went down to 400 psi.

Pumped tbg capacity of 16.5 bbls of 10# brine to get SITP. Pressure was 300 psi and then after 30 minutes fell to 50 psi. After pumping capacity and monitoring, pressure up on CSG and CSG held 500 psi for 20 minutes.

Rigged up WSI with lubricator to install back pressure valve. Installed 2-3/8 back valve in TBG hanger. Prepped to nipple up BOP.

Nipped down injection tree. Spotted in BOP trailer.

Nipped up 5K 7-1/16 BOP. Rigged up rig floor.

Tested BOP pipe rams @ low of 250 psi and high of 750 psi and both tested good for 5 minutes each. Secured well and shut down. Debriefed with crew over days operations.

Crew travel to yard.

No operations @ well.

Report Start Date: 10/8/2015

Com

No operations @ well.

Crew travel to location.

JSA's and safety meeting. Discussed days operations and all hazards that are associated with job scopes.

Waited on WSI to arrive to location to retrieve BPV.

Installed 2-3/8 4.7# L-80 sub with TIW valve into TBG hanger. Rigged up 2" Lubricator onto TIW.

Retrieved BPV and when pulled up, BPV would not pass through 2-3/8 tbg sub. Attempted several times. Set BPV back into tbg hanger to secure well.

Installed adaptor flange to BOP to retrieve BPV.

Went over next steps with WSM Lead and Superintendent. Discussed scenarios and possible steps to proceed with procedure.

Note: While discussions were happening, we retrieved BPV and flowed down well to almost nothing. Pumped 10# brine down tbg and shut well and let pressure stabilized. Well pressure stabilized at 300 psi. Released pressure and well went static to small trickle. Safety drills were performed as well. Blinds were tested as well with WSI tested good. Secured well and shut down. Debriefed with crew over days operations.

Crew travel to yard.

No operations @ well.

Report Start Date: 10/9/2015

Com

No operations @ well.

Crew travel to location.

JSA's and safety meeting. Discussed days operations and all hazards that are associated with job scopes. Talked over Well Control

Checked pressure and pressure was 900 psi. Flowed pressure off in a few minutes. Pumped 10# brine down tbg and after 4 bbls, pressured up to 1400 psi. This indicated tbg was becoming restricted. Tbg went static after pumping brine. Immediately stabbed tbg sub with TIW. Secured well.

Released packer and backside began to flow. Secured well. Attempted to break circulation in conventional to circulate 10# brine. TBG pressured up to 2100 psi immediately. Could not pump into tbg. This is probably due to restriction of wireline tools in tbg and tbg possibly plugging off. Pressure began to rise on back side. Opened well and flowed down to flow back tank. Packer fluid flowed back and after fluid was flowed back, flow was 100% CO2. Flow was 450 psi wide open. After an hour, flow was CO2, gas, and fluid. Flow was 350-400 psi wide open. Notified superintendent and discussed to flow well remainder of day. Flow averaged @ 100 bbls per hour and flow was 350 psi wide open. Got SIP at 4 pm and pressure was 800 psi and slowly worked up to 1000 psi in 20 minutes. Decision was to rig up flow back crew and flow back well 24 hours all weekend. Rig crew would not work Saturday due to flow back. Rigged up flow back crew @ 5 PM and began 24 hour flow back. Shut down rig crew and sent crew home.

Crew travel to yard.

Flow down well.

Report Start Date: 10/10/2015

Com

Flowed down a total of 2,390 bbls over 24 hours. Flow was also gas and CO2. Flow pressure averaged @ 210 psi. Will continue to flow down next 24 hours. BBLs per hour went back and forth from 110 to 85 bbls. Fluid was water and occasional oil film on top of water. Gas and CO2 flowed back as well. Continued flow wide open till Monday morning.

Note: 2 trucks were going and one was released due to slow down in flowback.

Report Start Date: 10/11/2015

Com

Flowed well wide open to flow back tank. Average Pressure of 200 psi flowing wide open. Pressure did go down to 180 psi at one part of day and flow of fluid per hour went back and forth from 88 and 65 bbls per hour. Total load for 24 hours Saturday was 2285 bbls. Fluid was water and occasional oil film on top of water. Gas and CO2 flowed back as well. Continued flow wide open

Report Start Date: 10/12/2015



Summary Report

Major Rig Work Over (MRWO)

Fishing

Job Start Date: 10/7/2015

Job End Date: 10/15/2015

Well Name CENTRAL VACUUM UNIT 093		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,982.00	Original RKB (ft) 3,994.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

No rig operations @ well.

Note: Flow back crew was still flowing back well.

Crew travel to location.

JSA's and safety meeting. Talked about keeping good communication and to look for signs that a kick is occurring. Talked about maintaining focus and to watch all hazards.

Discussed plan of actions. Shut in well and stopped flowback. TBG had 500 psi. Bled trapped pressure down. Rigged up hoses to CSG. Pumped a total of 140 bbls of 10# brine down backside @ 2.5 bpm. Shut in to get 1 hour shut in. CSG was on hard vacuum.

Note: Stopped pumping after pumped 1x volume and checked pressure. CSG was on slight vacuum. Continued to pump the remainder of 2x volume and CSG was on hard vacuum.

Monitored pressure on 1 hour SIP. CSG was on vacuum after an hour.

Note: While getting 1 hour SIP, crew installed BOP pan.

Began to start POOH and cutting wireline each joint. After POOH with 5 joints, TBG came in with flow, and TBG was secured and we got hard shut in. Hooked up hose to tbg, and flowed trapped gas in tbg back to pit. Flowed pressure back to tank. Pumped 10# brine down tbg and caught pressure @ 6 bbls. Pressure rose to 500 psi immediately indicating that tbg was still plugged off. After this hard shut in, held small JSA meeting with crew and went over well control practices and correct measures to take when well comes in. Crew did a great job of shutting in well, and got engaged in meeting.

Continued to POOH and same exact thing occurred @ joint number 15. Again, got hard shut in, and hooked up hoses. Flowed back pressure and once pressure was flowed down, pumped 10# brine down tbg, and caught pressure @ 2 bbls. Cont'd to POOH with tbg and this occurrence continued. Same process took place. After POOH about half way, well stopped coming in. Cont'd to POOH with tbg cutting wireline every joint. Laid down a total of 127 joints. Joint # 116 was completely plugged off with coiled/bunched wireline. TBG was tallied and placed top of packer @ 4181'.

Note: Joint number 118, wireline stopped and this joint was plugged up with bunched wireline and wireline tool assembly. Took joint to welders shop and split joint open and confirmed that entire wireline tool was present in joint. Rope socket, CCL, weight bar, and bailer.

Moved out old injection tbg and moved in 2-3/8 4.7# L-80 workstring. Tallied workstring.

PU and RIH with 2-3/8 4.7# workstring and 3-7/8 skirted bit. RIH with 94 joints leaving a killstring of 3044'. Secured well and shut down. Debriefed with crew over days operations.

Crew travel to yard.

Crew travel to yard.

Report Start Date: 10/13/2015

Com

NO OPS ON LOCATION

CREW TRAVEL

TGSM, JSA REVIEW

SITP 200 PSI, SICP 800 PSI. BLOW CSG TO TANK. 0 PSI IN 10 MIN. BLOW TBG PSI TO TANK. CSG STARTED FLOWING GAS & WTR. SI TBG AND FLOW CSG 20 MIN. PRESSURE STABLE @ 200 PSI. TBG BUILT UP TO 200 PSI WHILE SI. OPEN TBG TO TANK THEN PUMPED 60 BBLS 10# DN CSG @ 6 BPM. BOTH TBG AND CSG ON A VACUUM.

CONTINUE RIH W/ WS AND BIT TO TAG TOF @ 4717' W/ JT #146. RU POWER SWIVEL. PUMPED 500 BBLS FW @ 4.5 BPM. GOT A LITTLE FLOW UP THE CSG W/ 150 BBLS GONE. LASTED 20 MIN THEN WE LOST ALL FLOW. CONSULT WOE. WAS DECIDED TO LIVE WITH THE 11' OF RAT HOLE. RD POWER SWIVEL AND STRIPPER.

POOH LAYING DOWN 18 JTS WS AND STANDING 128. LD BIT, BIT SUB AND X-OVER.

PU 4 1/2" AS-1X NICKEL PLATED IPC PKR W/ PUMP OUT PLUG W/ 4 PINS RATED @ 300 LBS (1200 PSI) AND A ON/OFF TOOL W/ 1.43 "F" SS PROFILE NIPPLE. SET PKR @ 4181' W/ JT 129 IN THE HOLE. P/O PLUG SHOULD BLOW OUT W/ 2000 PSI IF WE BUILD TO 800 PSI UNDER THE PKR OVER NIGHT.

LOAD BACK SIDE TO 500 PSI. PRESSURE HELD SOLID FOR 5 MIN SI WELL SDON

CREW TRAVEL

NO OPS ON LOCATION

Report Start Date: 10/14/2015

Com

NO OPS ON LOCATION.

CREW TRAVEL

TGSM, JSA REVIEW

CIRCULATE WELL W/ 60 BBLS PKR FLUID

POOH LAYING DN 2 7/8" WS AND RETRIEVING HEAD.

MOVE OUT 2 7/8" WS, SET IN NEW 2 3/8" TK-99 IPC TBG AND STRAP SAME.

REMOVE 2 7/8" PIPE RAMS INSTALL 2 3/8" RAMS. RIH W/ 4 1/2" CUP TYPE PKR TO SET @ 25' +/- TEST BOP 250 PSI LOW 500 PSI HIGH. GOOD TEST. LD PKR.

RIH W/ RETRIEVING HEAD ON 129 JTS 2 3/8" TK-99 IPC TBG. ENGAGE PKR AND GET MEASUREMENTS. SPACE W/ 1 - 8' X 2 3/8" TK-99 IPC TBG SUB AN 1 - 1' X 2 3/8" SS SUB. PKR SET IN 10 PTS COMPRESSION. LOAD TBG TO 500 PSI. PRESSURE HELD SOLID FOR 10 MIN BLEED PRESSURE TO TANK.



Summary Report

Major Rig Work Over (MRWO)

Fishing

Job Start Date: 10/7/2015

Job End Date: 10/15/2015

Well Name CENTRAL VACUUM UNIT 093		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,982.00	Original RKB (ft) 3,994.00	Current RKB Elevation .		Mud Line Elevation (ft)	Water Depth (ft)

Com

RD FLOOR & SPILL CONTAINMENT PAN, ND BOP

NU TREE AND TEST VOID TO 3K. PRESSURE UP ON TBG PLUG POPPED @ 1800 PSI. SI WELL SDON.

CREW TRAVEL

NO OPS ON LOCATION.

Report Start Date: 10/15/2015

Com

NO OPS ON LOCATION

CREW TRAVEL

TGSM, JSA

PRESSURED UP TO 580 PSI ON PROD CSG. AND CHART FOR 40 MIN FOR NMOCD MIT TEST. PRESSURE DROPPED TO 562 PSI IN 40 MIN (18 PSI). WE WERE ALLOWED A 10% DROP OR 58 PSI BY NMOCD REGULATIONS. GOOD TEST.

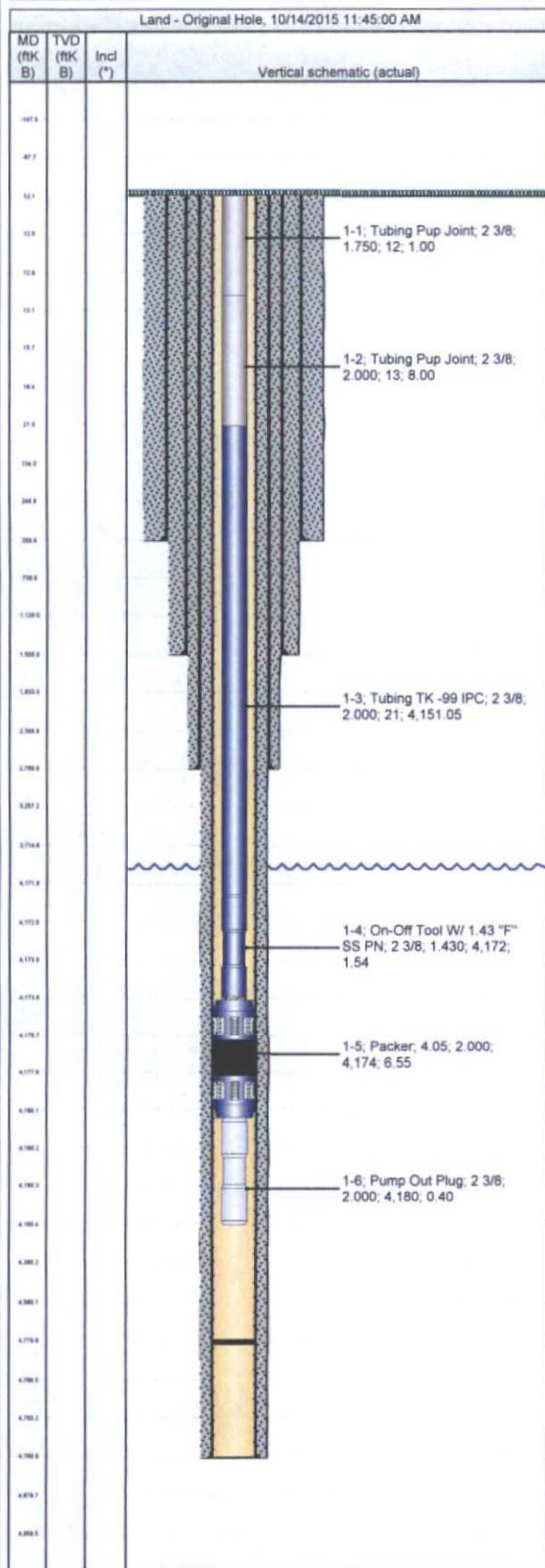
NU INJECTION LINE. HAND OFF WELL TO FMT INJECTION SPEC.

RIG DN WO PACKAGE MOVE TO VGWU #55. **** FINAL REPORT ****



Tubing Summary

Well Name CENTRAL VACUUM UNIT 093	Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,982.00	Original RKB Elevation (ft) 3,994.00	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
Current KB to Ground (ft)	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)	



Tubing Strings									
Tubing Description Tubing - Production		Planned Run? N		Set Depth (MD) (ftKB) 4,180.5		Set Depth (TVD) (ftKB)			
Run Date 10/14/2015		Run Job Fishing, 10/7/2015 11:00		Pull Date		Pull Job			
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
1	Tubing Pup Joint	2 3/8	1.750		SS		1.00	12.0	13.0
1	Tubing Pup Joint	2 3/8	2.000				8.00	13.0	21.0
128	Tubing TK - 99 IPC	2 3/8	2.000	4.70	J-55		4,151.05	21.0	4,172.1
	On-Off Tool W/ 1.43 "F" SS PN	2 3/8	1.430				1.54	4,172.1	4,173.6
	Packer	4.05	2.000				6.55	4,173.6	4,180.1
	Pump Out Plug	2 3/8	2.000				0.40	4,180.1	4,180.5

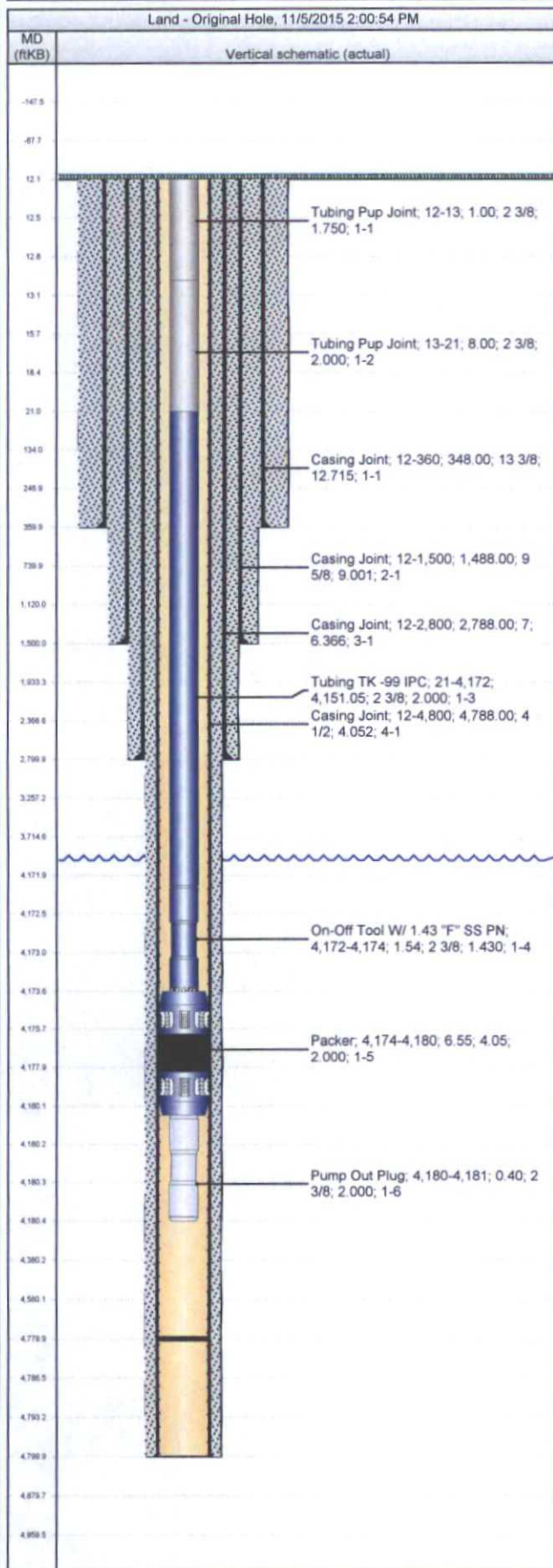
Rod Strings			
Rod Description		Planned Run?	Set Depth (ftKB)
Run Date		Run Job	Pull Date
			Pull Job

Rod Components							
Jts	Item Des	OD (in)	Grade	Model	Len (ft)	Top (ftKB)	Btm (ftKB)



Wellbore Schematic

Well Name CENTRAL VACUUM UNIT 093	Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent
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Job Details						
Job Category			Start Date		Rig/Unit End Date	
Major Rig Work Over (MRWO)			10/7/2015		10/15/2015	
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)	
Surface	13 3/8	48.00	H-40		360	
Intermediate Casing 1	9 5/8	32.30	H-40		1,500	
Intermediate Casing 2	7	23.00	K-55		2,800	
Production Casing	4 1/2	10.50	K-55		4,800	
Tubing Strings						
Tubing - Production set at 4,180.5ftKB on 10/14/2015 11:45						
Tubing Description		Run Date		String Length (ft)	Set Depth (MD) (ftKB)	
Tubing - Production		10/14/2015		4,168.54	4,180.5	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Tubing Pup Joint	1	2 3/8		SS	1.00	13.0
Tubing Pup Joint	1	2 3/8			8.00	21.0
Tubing TK -99 IPC	128	2 3/8	4.70	J-55	4,151.05	4,172.1
On-Off Tool W/ 1.43 "F" SS PN		2 3/8			1.54	4,173.6
Packer		4.05			6.55	4,180.1
Pump Out Plug		2 3/8			0.40	4,180.5
Other Strings						
Run Date	Pull Date	Set Depth (ftKB)	Com			