

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

WELL API NO. 30-025-28116
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name WEST VACUUM UNIT
8. Well Number 055
9. OGRID Number 4323
10. Pool name or Wildcat VACUUM

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other INJECTOR

2. Name of Operator  
CHEVRON U.S.A. INC. **HOBBS OCD**

3. Address of Operator  
15 SMITH ROAD, MIDLAND, TEXAS 79705 **NOV 02 2015**

4. Well Location

Unit Letter: A 170 feet from NORTH line and 110 feet from the EAST line

Section 3 Township 18S Range 34E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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:

SUBSEQUENT REPORT OF:

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

OTHER: REPAIR W/CHART

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 10/19/2015 THROUGH 10/28/2015, WELLBORE DIAGRAM, & TUBING SUMMARY.

10/28/2015: NOTIFIED NMOC. RAN CHART. PRESS TO 540 PSI FOR 32 MINUTES. WITNESSED BY NMOC. (COLOR COPY OF CHART ATTACHED).

RETURN TO INJECTION.

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 10/29/2015

Type or print name DENISE PINKERTON

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

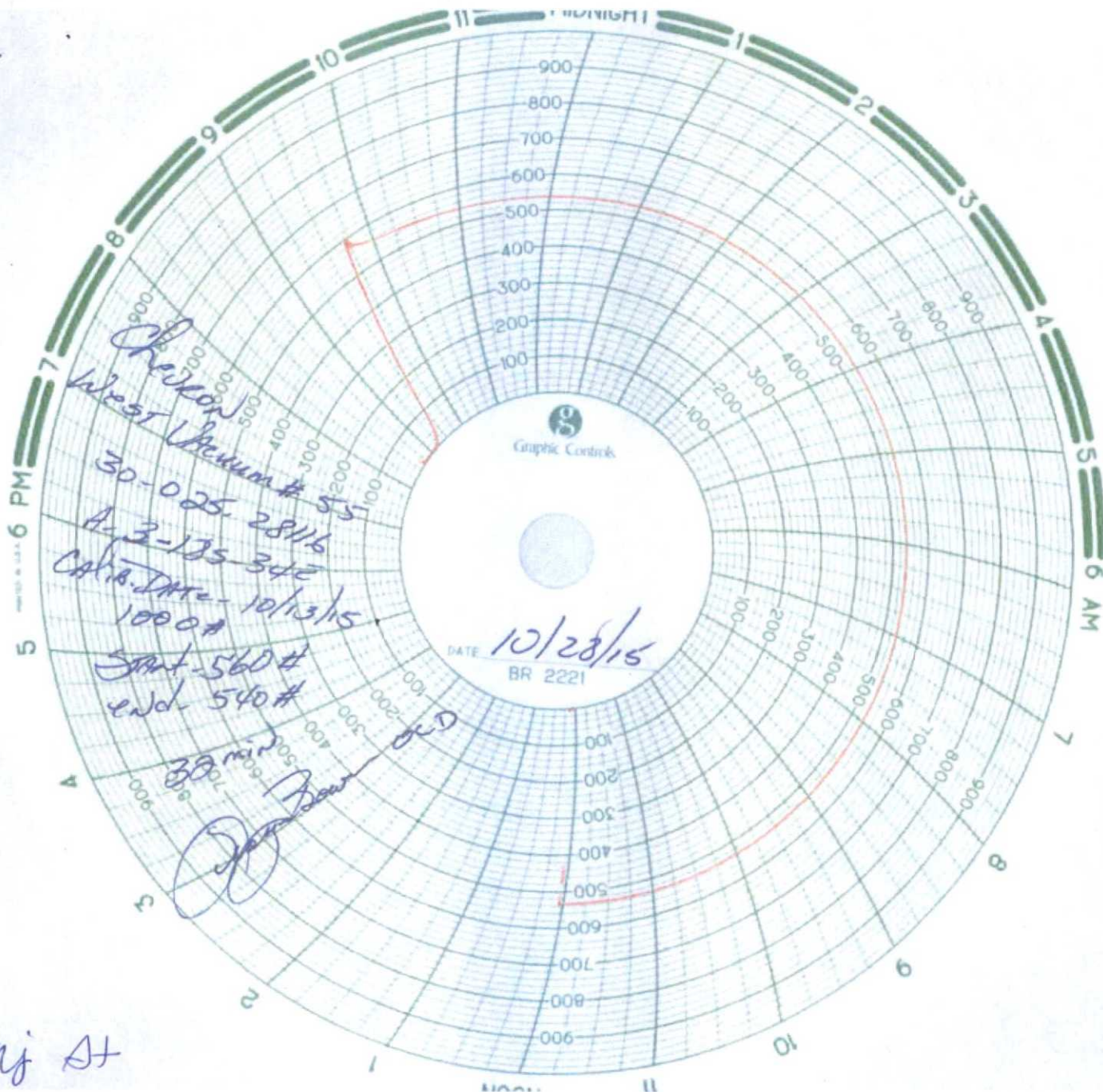
PHONE: 432-687-7375

For State Use Only

APPROVED BY: Mark Brown TITLE Dist. Supervisor DATE 11/12/2015

Conditions of Approval (if any)

NOV 18 2015



Inj At

A-3 18 S 34E

170 N 110 E





# Summary Report

Major Rig Work Over (MRWO)

Packer Repair

Job Start Date: 10/19/2015

Job End Date: 10/28/2015

Well Name WEST VACUUM UNIT 055	Lease West Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent
Ground Elevation (ft) 4,022.00	Original RKB (ft) 4,035.00	Current RKB Elevation 4,035.00, 10/19/2015	Mud Line Elevation (ft) Water Depth (ft)

Report Start Date: 10/19/2015

Com

TGSM, JSA REVIEW

MI RU WO PACKAGE.

TBG ON A VACUUM, CSG HAD 100 PSI. BLEED CSG PSI TO TANK THEN LOAD CSG TO 300 PSI W/ 6 BBLs. PRESSURE FELL TO 50 PSI. PUMPED 3 BBLs MORE AT 50 PSI. SI SDON

CREW TRAVEL

NO OPS ON LOCATION

Report Start Date: 10/20/2015

Com

NO OPS ON LOCATION

CREW TRAVEL

TGSM, JSA REVIEW

TBG HAD 50 PSI CSG WAS ON A VACUUM. BLEED PRESSURE OFF TBG.

ND HUBBER SLIP TYPE WELLHEAD. TBG HANGER WAS STUCK IN THE BOWL. PULLED 55 TO GET IT TO COME FREE.

ND BOP, SPILL CONTAINMENT PAN AND FLOOR. CHECK ELEVATORS W/ 2 3/8" TBG SUB. RELEASE INJ PKR. RIH W/ 5 1/2" CUP TYPE PKR TO SET @ 25' +/- . TEST BOP TO 200 LOW AND 500 HIGH. AND CHARTED FOR 5 MIN EACH. GOOD TEST.

POOH LAYING DN 2 3/8" DUOLINE INJ TBG AND AD-1 PKR. AT JT 39 WE STARTED PULLING WET TBG. ATTEMPTED TO PUMP DN TBG. PRESSURED UP TO 1K AND HELD SOLID. TBG APPEARS TO BE PLUGGED. WAITED 1.5 HR FOR A MUD BUCKET.

CREW LUNCH OE REFOCUS SAFETY STAND DOWN. TABLE TOP SAFETY DRILLS.

PU MUD BUCKET. CONTINUE POOH LAYING DN 141 JTS 2 3/8" DUO LINE INJ TBG AND INJ PKR. STRAP TBG. JTS 80 AND 98 WERE PLUGGED. TRIED RATTING COULD NOT GET ANYTHING OUT OF EITHER JT. BOTTOM RUBBER WAS COMPLETELY GONE OFF THE INJ PKR.

REMOVE 2 3/8" TBG RAMS, INSTALL 2 7/8" RAMS. MO INJ TBG. MI 2 7/8" L80 WS AND STRAP SAME.

RIH W/ 1 JT 2 7/8" WS AND 5 1/2" CUP TYPE PKR TO 25' +/- . TEST BOP 250 LOW, 500 HIGH GOOD TEST. LD CP TYPE PKR.

START IN HOLE W/ A 5 1/2" TS RBP AND HD COMPRESSION PKR ON 2 7/8" L80 WS OFF THE RACK. GOT IN W/ 76 JTS SI WELL SDON

CREW TRAVEL

Report Start Date: 10/21/2015

Com

NO OPS ON LOCATION

CREW TRAVEL

TGSM, JSA REVIEW.

NO PRESSURE ON WELL. CHECK ELEVATORS W/ 2 7/8" SUB. CONTINUE IN W/ PLUG AND PKR ON 2 7/8" L80 WS. SET PLUG @ 4430' W/ 15' IN ON JT 137. LD 1 JT, SET PKR @ 4410'.

LOAD TBG W/ 14 BBLs FW TO 500 PSI. PRESSURE HELD FOR 10 MIN. LOAD CSG W/ 38 BBLs TO 540 PSI. PRESSURE HELD FOR 10 MIN.

RELEASE PKR. RIH TO ENGAGE AND RELEASE RBP. POOH STANDING WS. LD PKR & PLUG.

RIH W/ 4 3/4" SKIRTED MT BIT ON 2 7/8" L80 WS. TAGGED UP @ 4440' ALL EXISTING PERFS WERE COVERED. LD 1 JT.

NU STRIPPER HEAD. PU POWER SWIVEL AND JT 136. START PUMPING FW REVERSE. BROKE CIRCULATION WITHIN 10 MIN PUMPING @ 4 BPM. LOWERED BIT AND STARTED TURNING ON FILL @ 4440'. TBG WAS PLUGGING UP AND WE WERE NOT MAKING MUCH HOLE. SWITCHED TO CONVENTIONAL CIRCULATION AND STARTED GOOD PROGRESS. RETURNS WERE IRON SULFITE UNTIL WE GOT TO 4597' W/ JT 142 ALL IN. PUMP PRESSURE WAS AT 1000 PSI AND OPERATOR WAS HAVING TO CONTINUALLY POP IT TO KEEP IT DOWN. WE WERE GETTING ABOUT 1 BBL BACK OF THE 4 BPM RATE. HE THINKS THAT A PIECE OF THE PACKER RUBBER IS PARTIALLY PLUGGING THE TBG AT THE BIT SUB. CIRCULATE CLEAN, LD 3 JTS BIT SWINGING @ 4503' SI WELL SDON

CREW TRAVEL

NO OPS ON LOCATION

Report Start Date: 10/22/2015

Com

NO OPS ON LOCATION

CREW TRAVEL

TGSM, JSA

POOH W/ WS AND BHA. BIT SUB WAS PACKED OFF WITH QUARTER SIZED PIECES OF CASING. LD 4 3/4" MT BIT.

RIH W/ 3 BLADED 4 3/4" JUNK MILL. TAGGED FILL 20' HIGH @ 4577' W/ 11' IN ON JT 142 .

PU POWER SWIVEL, BRAKE CIRCULATION CONVENTIONAL. STARTED TURNING ON FILL. MADE GOOD PROGRESS DOWN TO 4630' WITH 2' OUT ON JT 143 IN 1 HR. BUT WHEN WE TRIED PULLING UP THERE WERE SEVERAL TIGHT SPOTS. TWO OF THESE WOULD STALL OUT THE POWER SWIVEL. CONTINUED TO WORK UP AND DN FOR 1 1/2 HRS W/ JT 143 UNTIL WE COULD SEE NO DRAG OR INCREASE IN TORQUE PRESSURE. RETURNS WERE IRON SULFITE, SMALL THIN PIECES OF CSG, A LOT OF FORMATION. PICK UP JT 144 MADE ABOUT 1 1/2' TO 2' IN 1 HR. RETURNS WERE THE SAME. CONCERNED THAT WE MAY BE GETTING OUTSIDE THE WELL BORE SINCE WE ARE WORKING WITH LITTLE TO NO CSG. CONSULT WOE. RD POWER SWIVEL.

POOH W/ WS AND BHA. LD JUNK MILL

PU 4 3/4" MT BIT BIT SUB AND X-OVER. LEFT BIT SWINGING @ 4503' SI WELL SDON

CREW TRAVEL





# Summary Report

Major Rig Work Over (MRWO)

Packer Repair

Job Start Date: 10/19/2015

Job End Date: 10/28/2015

Well Name WEST VACUUM UNIT 055	Lease West Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent
Ground Elevation (ft) 4,022.00	Original RKB (ft) 4,035.00	Current RKB Elevation 4,035.00, 10/19/2015	Mud Line Elevation (ft) Water Depth (ft)

Com

NO OPS ON LOCATION

Report Start Date: 10/23/2015

Com

NO OPS ON LOCATION

CREW TRAVEL

TGSM, JSA REVIEW.

NO PSI ON WELL. CHECK ELEVATORS W/ 2 7/8" TBG SUB. CONTINUE IN TO TAG UP @ 4632' PU POWER SWIVEL. BRAKE CIRCULATION. START TURNING THE BIT. MADE 3 TO 4" VERY LITTLE RETURNS BUT WHAT THERE WERE WAS ALL FORMATION AND VERY LITTLE METAL. CONSULT WOE.

LD POWER SWIVEL, ND STRIPPER HEAD. POOH W/ WS, LD BHA.

ARCHER WL HELD TGSM & JSA REVIEW WITH ALL ON LOCATION. MIRU. TEST LUBRICATOR TO 1K. RIH W/ CCL 3 1/8" PERF GUNS W/ .43 EH, 19 GRM CHARGES, 36.4" PEN. TIED IN TO SHORT JT @ 4230' TO 4232' USING DRESSER ATLAS GR, CCL LOG DATED 3/15/83. PERFORATE 4503' - 4458' IN 2 RUNS SHOOTING @ 4483' - 4503' ON FIRST RUN, 4475' - 4483' AND 4458' - 4462' ON THE SECOND RUN ARCHER RDMO.

RIH W/ 2 7/8" NOTCHED COLLAR 9 JTS 2 7/8" L80 WS, 5 1/2" 10K TRATING PKR ON 127 JTS 2 7/8" L80 WS. SET PKR @ 4112' EOT @ 4401' LOAD BACK SIDE TO 500 PSI HELD FOR 5 MIN. GOOD TEST. BLEED PST TO TANK. SI WELL SDON.

CREW TRAVEL

NO OPS ON LOCATION

Report Start Date: 10/24/2015

Com

NO OPS ON LOCATION

CREW TRAVEL

TGSM, JSA REVIEW.

PETROPLEX HELD PRE-JOB TGSM & JSA REVIEW. MIRU. ACIDIZE PERFS 4458' - 4630' W/ 150 BBLS 20% HCL ACID IN 5 ACID STAGES AND 4 ROCK SALT BLOCK STAGES. PUMPED JOB AS FOLLOWS.

LOADED CSG TO 500 PSI.

TEST LINES TO 5K.

START ON FW WTR @ 2 BPM. HOLE LOADED W/ 4 BBLS GONE. RAISE RATE TO 4.8 BPM AND PUMPED TBG CAP (26 BBLS)

ESTABLISH RATE OF 5 BPM @ PSI 718

PUMPED 30 BBLS 20% HCL @ 4.8 BPM 1100 PSI. NO BREAK IN PSI WITH ACID ON FORMATION.

PUMPED 4.6 BBLS 10# BRINE CONTAINING 550 LBS ROCK SALT

1st BLOCK ON W/ 56.6 BBLS GONE. 300 PSI INCREASE TO 1400 PSI

PUMPED 30 BBLS 20% HCL @ 4.8 BPM 1200 PSI

PUMPED 5.2 BBLS 10# BRINE CONTAINING 600 LBS ROCK SALT

2nd BLOCK ON W/ 96.6 BBLS GONE. 1200 PSI - 1460 PSI = 260 PSI INCREASE

PUMPED 30 BBLS 20% HCL @ 4.8 BPM 1300 PSI = 160 BREAK

PUMPED 5 BBLS 10# BRINE CONTAINING 700 LBS ROCK SALT

3rd BLOCK ON W/ 135.6 BBLS GONE. 1400 PSI - 1500 PSI = 100 PSI INCREASE.

PUMPED 30 BBLS 20% HCL @ 4.8 BPM 1400 PSI = 100 PSI BRAKE.

PUMPED 5.2 BBLS 10# BRINE CONTAINING 800 LBS ROCK SALT

4thnd BLOCK ON W/ 175.6 BBLS GONE 1500 PSI - 1790 PSI = 290 PSI INCREASE.

PUMPED 30 BBLS 20% HCL @ 4.8 BPM 1680 PSI = 110 PSI BRAKE

FLUSH TO FORMATION W/ 35 BBLS FW @ 4.8 BPM. 1750 - 1860 PSI

SD. ISIP= 1137 PSI, 5 MIN = 883 PSI, 10 MIN = 724 PSI, 15 MIN = 602 PSI

SI WELL.

237 BBLS TO RECOVER.

AVG PSI = 1400

MAX PSI = 1799

AVG RATE = 4.8 BPM

SI FOR 2 HRS FOR ACID TO SPEND.

PETROPLEX RDMO.

TBG ON A VACUUM. RIG TO SWAB. MADE 5 RUNS RECOVERED 34 BBLS. 1st RUN @ 600', 2nd FL @ 900', 3rd FL @ 1200', 4th RUN FL @ 1300', 5th RUN FL @ 1600' HAD STRONG LIVE ACID ON THE 5th RUN. RD SWAB. PUMPED 35 BBLS FW DN TBG TO PUT ACID BACK IN FORMATION. SI WELL SDOW.

CREW TRAVEL

NO OPS ON LOCATION

Report Start Date: 10/25/2015

Com

CREW DAY OFF

Report Start Date: 10/26/2015

Com

NO OPS ON LOCATION

CREW TRAVEL

TGSM, JSA REVIEW.





# Summary Report

Major Rig Work Over (MRWO)

Packer Repair

Job Start Date: 10/19/2015

Job End Date: 10/28/2015

Well Name WEST VACUUM UNIT 055		Lease West Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,022.00	Original RKB (ft) 4,035.00	Current RKB Elevation 4,035.00, 10/19/2015		Mud Line Elevation (ft)	Water Depth (ft)

Com

TBG ON A VACCUM, RIG TO SWAB. MADE 12 RUNS IFL @ 2400' EFL @ 3300' CREW LUNCH. MADE 4 RUNS IFL @ 3400'. CREW WAS REPLACING SAND LINE FLAGS WHEN THEY FOUND SOME BROKEN STRANDS. CUT SAND LINE IN GOOD LINE ABOVE FLAGS AND POURED A NEW ROPE SOCKET. INSTALL NEW FLAGS. MADE 5 RUNS IFL @ 3600' EFL @ 3600' RECOVERED 91 BBLs WTR AND SPENT ACID. CONSULT WOE. PREP TO RELEASE PKR AND WASH SALT TO 4630' SI WELL SDON.

CREW TRAVEL

NO OPS ON LOCATION

Report Start Date: 10/27/2015

Com

No operations @ well.

Crew travel to location.

JSA's and safety meeting. Discussed days operations of cleaning out rock salt, tripping pipe and PU new injection string. Talked about keeping good communication.

Checked pressure and well was on vacuum. Released packer and RIH with tbg and tagged @ 4611'. When pulled up, tbg dragged hard. Attempted to break circulation with 80 bbl of FW. No success. Determined that CSG was falling in due to previous reports and clean out attempt early in job. Decision was made to not to clean out any more to prevent tbg getting stuck. Prepped to POOH and lay down workstring.

POOH and laid down 2-7/8 6.5# L-80 workstring. Secured well and prepped to move out workstring.

Moved out 2-7/8 6.5# L-80 workstring and moved in new 2-3/8 4.7# TK-99 tbg. Tallied new 2-3/8 tbg.

Crew Lunch

PU and RIH with new 2-3/8 4.7# TK-99 tbg and new 5-1/2 AS1-X Nickel Coated IPC injection packer with T-2 on off tool. Set packer @ 4632' with 1600 psi pump out plug.

Got a pretest at 550 psi. Held for 15 minutes and last 15 minutes lost 20 psi. Assumed it was air and temperture. Got off of On/Off tool. Proceeded to circulate packer fluid. Circulated packer fluid all the way around. Once we got to last 8 bbls of pumping, pump out plug gave out. Pumping pressure was only 250 psi. Immediately latched back on to On/Off tool. Pumped down tbg to determine how much packer fluid was lost, and CSG loaded at 13 bbls. Secured well and shut down. Debriefed with crew over days operations.

Crew travel to yard.

No operations @ well.

Report Start Date: 10/28/2015

Com

No operations @ well.

Crew travel to location

JSA's and safety meeting. Discussed days operations of nipping down BOP and nipping up B-1 flange. Talked about rigging down and all associated hazards.

Checked well pressure. Well had 0 psi. Got pretest @ 550 psi on CSG and tested good for 30 minutes. Spotted in BOP trailer. Nipped down BOP and set onto trailer.

Nipped up B-1 adaptor flange and master valve.

Got MIT test. Pressured up to 560 psi and pressure dropped to 550 psi. Held for 30 minutes. Test Good. NMOCD was present and signed chart.

Rigged down pulling unit. Loaded up all equipment and tools. Cleaned location. Turned well over to production. This is the \*\*\*FINAL REPORT\*\*\*

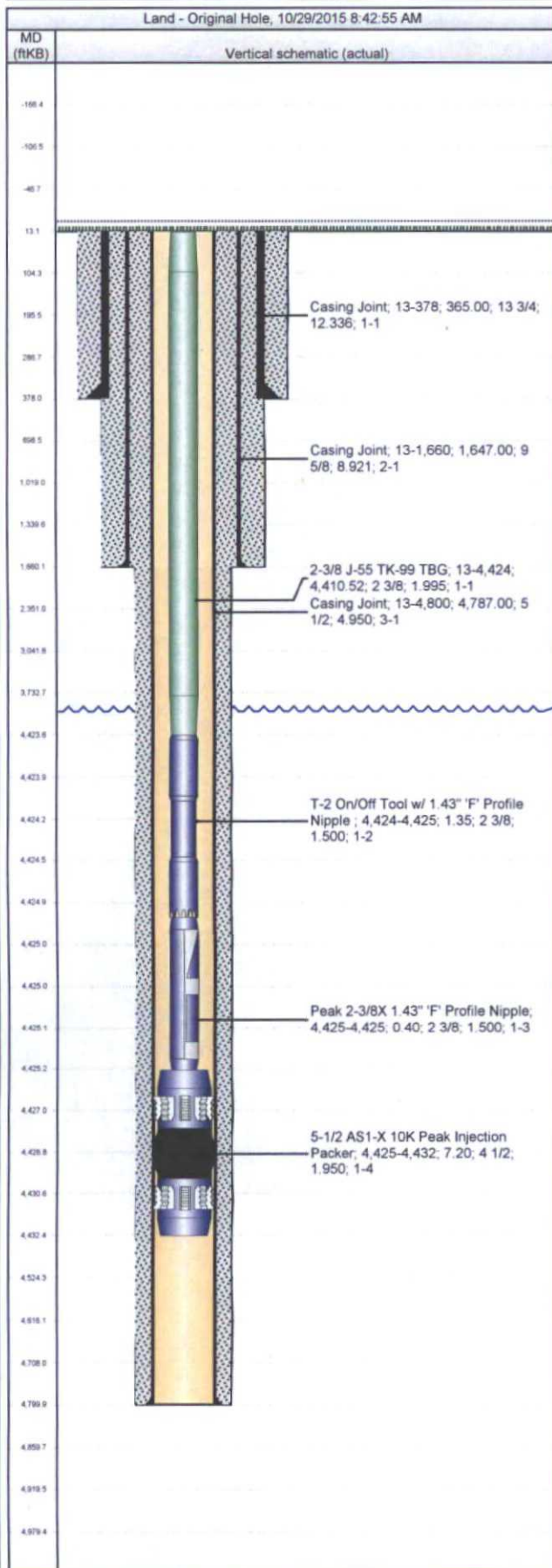
Crew travel to yard.

No operations @ well.



# Wellbore Schematic

Well Name WEST VACUUM UNIT 055	Lease West Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent
-----------------------------------	---------------------------	----------------------	--------------------------------



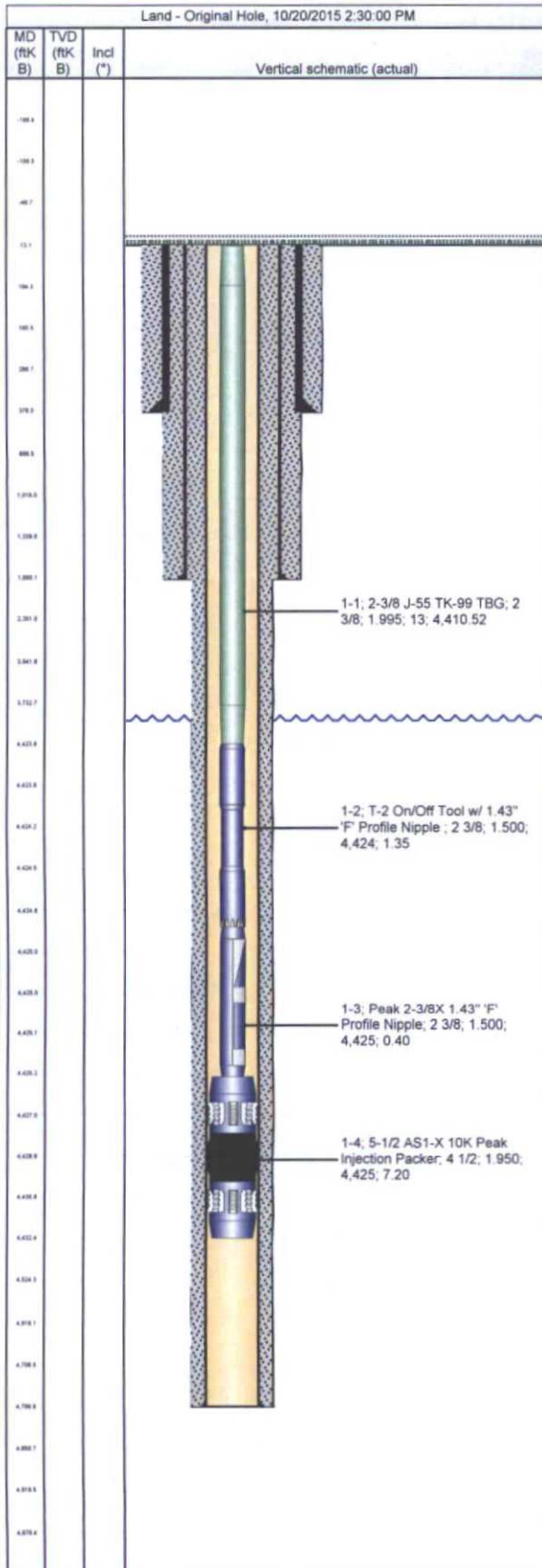
Job Details						
Job Category		Start Date		Rig/Unit End Date		
Major Rig Work Over (MRWO)		10/19/2015		10/28/2015		
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)	
Surface	13 3/4	98.58	HPQ-125		378	
Intermediate Casing 1	9 5/8	36.00	J-55		1,660	
Production Casing	5 1/2	15.50	J-55		4,800	
Tubing Strings						
2-3/8 4.7# TK-99 Injection TBG set at 4,432.5ftKB on 10/20/2015 14:30						
Tubing Description		Run Date	String Length (ft)	Set Depth (MD) (ftKB)		
2-3/8 4.7# TK-99 Injection TBG		10/20/2015	4,419.47	4,432.5		
Item Des	Jlts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
2-3/8 J-55 TK-99 TBG	136	2 3/8	4.70	J-55	4,410.52	4,423.6
T-2 On/Off Tool w/ 1.43" 'F' Profile Nipple	1	2 3/8			1.35	4,424.9
Peak 2-3/8X 1.43" 'F' Profile Nipple	1	2 3/8			0.40	4,425.3
5-1/2 AS1-X 10K Peak Injection Packer	1	4 1/2			7.20	4,432.5
Other Strings						
Run Date	Pull Date	Set Depth (ftKB)	Com			





# Tubing Summary

Well Name <b>WEST VACUUM UNIT 055</b>	Lease <b>West Vacuum Unit</b>	Field Name <b>Vacuum</b>	Business Unit <b>Mid-Continent</b>	
Ground Elevation (ft) <b>4,022.00</b>	Original RKB Elevation (ft) <b>4,035.00</b>	Current RKB Elevation <b>4,035.00, 10/19/2015</b>	Mud Line Elevation (ft)	Water Depth (ft)
Current KB to Ground (ft) <b>13.00</b>	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)	



Tubing Strings									
Tubing Description 2-3/8 4.7# TK-99 Injection TBG		Planned Run? N		Set Depth (MD) (ftKB) 4,432.5		Set Depth (TVD) (ftKB)			
Run Date 10/20/2015		Run Job Packer Repair, 10/19/2015 14:00		Pull Date		Pull Job			
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
136	2-3/8 J-55 TK-99 TBG	2 3/8	1.995	4.70	J-55	8RD	4,410.5 2	13.0	4,423.6
1	T-2 On/Off Tool w/ 1.43" 'F' Profile Nipple	2 3/8	1.500			8RD	1.35	4,423.6	4,424.9
1	Peak 2- 3/8X 1.43" 'F' Profile Nipple	2 3/8	1.500			8RD	0.40	4,424.9	4,425.3
1	5-1/2 AS1- X 10K Peak Injection Packer	4 1/2	1.950			8RD	7.20	4,425.3	4,432.5

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

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