

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

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

Revised July 18, 2013

WELL API NO.
3002526787

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
CENTRAL VACUUM UNIT

8. Well Number
~~142~~ 143

9. OGRID Number
4323

10. Pool name or Wildcat
VACUUM GRAYBURG SAN ANDRES

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

2. Name of Operator
CHEVRON U.S.A.

3. Address of Operator
15 SMITH ROAD MIDLAND, TX 79705

4. Well Location
Unit Letter A: 1310 feet from the N line and 50 feet from the E line
Section 6 - Township 18-S Range 35-E 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: | | SUBSEQUENT REPORT OF: | |
|--|---|--|--|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | MULTIPLE COMPL. <input type="checkbox"/> | CASING/CEMENT JOB <input type="checkbox"/> | |
| DOWNHOLE COMMINGLE <input type="checkbox"/> | | | |
| CLOSED-LOOP SYSTEM <input type="checkbox"/> | | | |
| OTHER: <input type="checkbox"/> | | OTHER: MIT TEST for Repair | |

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.

8/1/2016: MIT for repair

Spud Date:

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

SIGNATURE: Adriann Garcia TITLE: REGULATORY ASSISTANT DATE: 8/16/2016

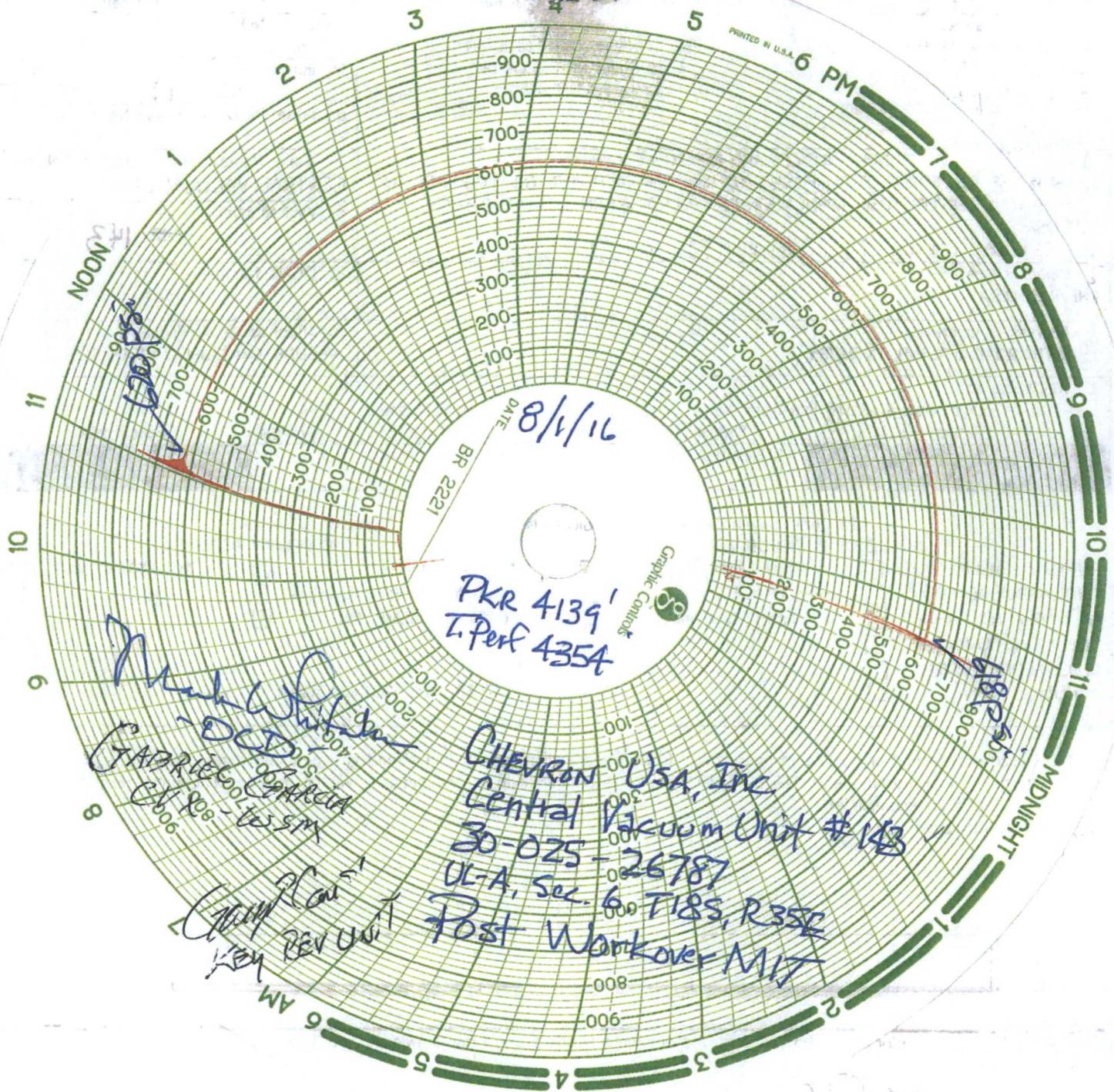
Type or print name: Adriann Garcia E-mail address: Adriann.Garcia@chevron.com PHONE: 432-687-7617

For State Use Only

APPROVED BY: Mary Brown Dist. Supervisor 11/21/2016
Conditions of Approval (if any):

Repaired leak/wellhead 8'
to SURFACE. SET PACKER @ 4140'

PRINTED IN U.S.A. 6 PM



Mark W. [Signature]
 - OGD
 GABRIEL
 CH 802 - 125 STX

CHEVRON USA, Inc
 Central Vacuum Unit #143
 30-025-26787
 UL-A, Sec. 6 TIBS, R3SE
 Post Workover MIT

[Signature]
 KEY REV UNIT

HOBBS OCD
 NOV 21 2016
 RECEIVED



MCBU Compl & WO 'Outside' Report

8/1/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 7.42

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

Daily Operations

| | |
|--------------------------------|--|
| Status at Reporting Time SI | Projected Operations ****FINAL REPORT**** |
|--------------------------------|--|

| | |
|---|---|
| Operations Summary Run chart for MIT / Rig down and move to the VGSAU # 46 | Comments No incidents or environmental issues today. Rig is 4782 days IFO |
|---|---|

| | | | |
|----------------------|---------------------|--------------------------------------|--------------------------------------|
| Job Day (days) 22 | Report Number 16 | Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 5.62 |
|----------------------|---------------------|--------------------------------------|--------------------------------------|

Mud Checks

| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
|----------------|-------------------|------------|------------------------|-----|
| | | | | |

Time Log

| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
|------------|----------|----------------------------------|----------|--|--------------|
| 00:00 | 6.00 | | INACTIVE | NO ACTIVITY AT WELLSITE | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | CREW TRAVEL TO LOCATION | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | TGSM & JSA REVIEW, W/ RIG CREW & RU OPER. | |
| 07:00 | 1.50 | | INACTIVE | WAITING ON OCD. | |
| 08:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLTEST | PERFORMED MIT TEST W/ MARK WHITACRE (OCD REP) PRESENT. GOOD TEST. | |
| 09:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | R/D | JSA REVIEW W/ RIG CREW & RU OPER. FORKLIFT ENT. CREW. SIGN OWNERSHIP TRANSFER DOCUMENT W/ FS, TANNER DEHAAN. R/D UNIT, PREP TO MOVE. | |
| 10:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | OFFLOAD | OFFLOAD WO EQUIPMENT FOR RIG MOVE. *** MOVE TO VGSAU #46 *** ****FINAL REPORT**** | |

Unscheduled Events

| | | | | | | | | |
|--------------------------|--|-------------------------------|--|------------------------------|----------------------------|-------------------------|----------------------------|--------------------------------|
| Event Reference No. 3 | Event Description WAITING ON OCD REP. TO WITNESS MIT TEST | | | | | | | |
| Event Type NPT | Unsch Detail PERSONNEL | Accountable Party Operator | Service Contractor Chevron, <servicetyp> | Start Date 8/1/2016 07:00 | End Date 8/1/2016 08:30 | Start Depth (ftKB) 0 | End Depth (MD) (ftKB) 0 | Estimated Cost (Cost) 1,000 |

| | | | |
|--------------------------------------|------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lease Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |

HOBBS OC
NOV 21 2016
REC



MCBU Compl & WO 'Outside' Report

7/29/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 7.29

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

Daily Operations

| | |
|--------------------------------|---|
| Status at Reporting Time S1 | Projected Operations Run chart for MIT / Rig down and move to the VGSAU # 46 |
|--------------------------------|---|

| | |
|---|---|
| Operations Summary Start out laying work string down and picking up injection string. Space out , Nipple down BOP / Nipple up well head. Called OCD and left messages , well name , time , phone numbers. At the front desk and on Marks answering machine. | Comments No incidents or environmental issues today. Rig is 4782 days IFO |
|---|---|

| | | | |
|----------------------|---------------------|--------------------------------------|--------------------------------------|
| Job Day (days) 19 | Report Number 15 | Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 5.71 |
|----------------------|---------------------|--------------------------------------|--------------------------------------|

Mud Checks

| Mud/Brine Type | Depth (MD) (RKB) | Fluid Type | Fluid Density (lb/gal) | Com |
|----------------|------------------|------------|------------------------|-----|
| | | | | |

Time Log

| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
|------------|----------|----------------------------------|----------|--|--------------|
| 00:00 | 6.00 | | INACTIVE | No work being performed. | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to location. | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | JSA , Safety Meeting. | |
| 07:00 | 3.00 | INTER, INTER, 7/12/2016 00:00 | TBGL/D | Check pressures , 0 tubing / 0 casing Calliper all lifting equipment. Lay down 2 3/8 work string. | |
| 10:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | OFFLOAD | Move out 2 3/8 work string , Move in 2 3/8 TK99 injection string. | |
| 11:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | R/U | Rig up tubing testers. | |
| 11:30 | 3.50 | INTER, INTER, 7/12/2016 00:00 | TBGP/U | Run in the hole with 132 x 2 3/8 TK 99 IPC retrieving tool. Tag injection packer and space out. Hydrotest tubing in the hole to 3000 psi. Flanged up with 10 K compression on packer. | |
| 15:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | R/D | Rig down tubing testers. | |
| 15:30 | 1.00 | INTER, INTER, 7/12/2016 00:00 | CHEMINHB | Circulate packer fluid . | |
| 16:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | BOPERCVR | Nipple down BOP | |
| 17:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WHDINST | Nipple up well head and burst pump out plug and close well in , verify , debrief. | |
| 17:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard. | |
| 18:00 | 6.00 | | INACTIVE | No work being performed. | |

| | | | |
|--------------------------------------|------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lease Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/28/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 6.79

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

| | | | |
|---|--|---|--------------------------------------|
| Daily Operations | | | |
| Status at Reporting Time SI | Projected Operations Start out laying work string down and picking up injection string. | | |
| Operations Summary Dress off / clean out to 4722' Circulate clean , pull out of the hole . Run in the hole with 4 1/2 injection packer with pump out plug. | | Comments No incidents or environmental issues today. Rig is 4781 days IFO | |
| Job Day (days) 18 | Report Number 14 | Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 6.13 |

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|-------------------|-------------------|------------|------------------------|-----|
| Mud Checks | | | | |
| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
| | | | | |

| Time Log | | | | | | |
|-----------------|----------|----------------------------------|----------|--|--------------|--|
| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) | |
| 00:00 | 6.00 | | INACTIVE | No work being performed. | | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to location. | | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | JSA , Safety Meeting. | | |
| 07:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | PSR/U | Check pressures,250 psi tubing , 100 casing. Caliper all lifting equipment. Bleed well down Rig up swivel | | |
| 07:30 | 4.00 | INTER, INTER, 7/12/2016 00:00 | CLNOUT | Start in and tag @ 4204' work through and get it smoothed up . Continue on to bottom tagging and dressing off @ 4204 , 06 , 70 , 4336 , 4470 , 4578 , 95 and 4630 Went on down to 4722' Circulate clean . | | |
| 11:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | PSR/D | Rig down power swivel. | | |
| 12:00 | 2.00 | INTER, INTER, 7/12/2016 00:00 | TBGPULL | Pull out of the hole with tubing and BHA. | | |
| 14:00 | 2.00 | INTER, INTER, 7/12/2016 00:00 | TBGRUN | Run in the hole with , 126 x 2 3/8 4 1/2 injection packer and set it @ 4140' Get off packer with retrieving tool. | | |
| 16:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | CC | Circulate all mud out of the hole . | | |
| 17:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Close well in and verify , debrief. | | |
| 17:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard. | | |
| 18:00 | 6.00 | | INACTIVE | No work being performed. | | |

| | | | |
|--------------------------------------|------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lease Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/27/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 6.29

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

Daily Operations

| | |
|--------------------------------|---|
| Status at Reporting Time SI | Projected Operations Pickup swivel and start dressing off casing and clean out to PBTD |
|--------------------------------|---|

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|---|---|
| Operations Summary Check pressure and start flowing well back. Pull out of the hole , Run in the hole with concave mill and string mill. | Comments No incidents or environmental issues today. Rig is 4780 days IFO |
|---|---|

| | | | |
|----------------------|---------------------|--------------------------------------|--------------------------------------|
| Job Day (days) 17 | Report Number 13 | Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 6.62 |
|----------------------|---------------------|--------------------------------------|--------------------------------------|

Mud Checks

| Mud/Brine Type | Depth (MD) (ft) | Fluid Type | Fluid Density (lb/gal) | Com |
|----------------|-----------------|------------|------------------------|-----|
| | | | | |

Time Log

| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
|------------|----------|----------------------------------|----------|---|--------------|
| 00:00 | 6.00 | | INACTIVE | No work being performed. | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to location. | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | JSA , Safety Meeting. | |
| 07:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | FLODWN | Check pressure , 350 psi on tubing / 0 casing Open well up to tank , (there was no wind and set off alarms on work over rig . Closed well in and got the FMT to come and clear location.) Key came and recalibrated the rigs monitor. | |
| 08:00 | 4.00 | INTER, INTER, 7/12/2016 00:00 | FLODWN | Start back to flowing well to tank , the wind has picked up and switched out of the South - South West. Flowed well down and recovered 170 bbl . Final pressure was 50 psi while flowing back. | |
| 12:00 | 2.00 | INTER, INTER, 7/12/2016 00:00 | TBGPULL | Caliper all lifting equipment, Release packer and spot mud cap. Pull out of the hole tubing and packer. | |
| 14:00 | 2.00 | INTER, INTER, 7/12/2016 00:00 | TBGRUN | Run in the hole with , 128 x 2 3/8 cross over 3 7/8 string mill 10' x 2 3/8 3 5/8 concave mill. Tagged @ 4204' Pulled up 4188' and left swinging. | |
| 16:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | CC | Circulate mud out and prep form milling out in the morning. | |
| 17:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Close well in and verify and debrief. | |
| 17:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard. | |
| 18:00 | 6.00 | | INACTIVE | No work being performed. | |

| | | | |
|--------------------------------------|------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lease Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/26/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 5.79

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

| | | | |
|---|---------------------|---|--------------------------------------|
| Daily Operations | | | |
| Status at Reporting Time SI | | Projected Operations Continue flowing back well and bleeding pressure off. | |
| Operations Summary Rig up Petro Plex , do acid job | | Comments No incidents or environmental issues today. Rig is 4779 days IFO | |
| Job Day (days) 16 | Report Number 12 | Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 7.19 |

| | | | | |
|-------------------|-------------------|------------|------------------------|-----|
| Mud Checks | | | | |
| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
| | | | | |

| Time Log | | | | | |
|-----------------|----------|----------------------------------|----------|--|--------------|
| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
| 00:00 | 6.00 | | INACTIVE | No work being performed. | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to loaction. | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | JSA , Safety Meeting with crew and acid company. | |
| 07:00 | 7.00 | INTER, INTER, 7/12/2016 00:00 | STIMACID | <p>Check pressures 100 on tubing / 0 casing Rig up Petro Plex , Test lines to 5000 psi</p> <p>SET POP OFF @ MAX PSI / tbg 4352.44 / csg 462.2 START TREATED H2O W/ MFS GREEN 49 BBLS MONITOR PSI AND RATE / tbg 619.66 / csg 412.92 SHUT DOWN LET SOAK 3 HOURS / 1054.36 / csg 170.37 ISIP - 828 PSI Average 2.5 bpm</p> <p>Total volumes of Flotek Chemical TOTAL TREATED 306 gal MFS-GREEN / H2O - 49 BBLS Total Treated StimOil 40 gal - IOR</p> <p>TOTAL ROCK SALT - 5,000 # Start on water to establish rate @ 500 psi @ 2. bpm Increase rate to 5 bpm @ 1900 psi Acid on formation tbg 2150 psi 1st block of 500 # on formation @ 2259 / 90 # increase.</p> <p>2nd Acid stage on formation @ 2207 psi 2nd block 1000 # on formation @ 2434 psi / 220 psi increase</p> <p>3rd Acid on formation @ 2428 psi 3rd block 1500 # on formation / 2661 psi / 460 psi increase</p> <p>4th Acid on formation @ 2600 psi 4th block on formation 2000 # / 2984 psi / 770 psi increase</p> <p>5th Acid stage on formation @ 2917 psi Pump flush at decreased pump rate due to pressure. ISIP - 1677 psi Max pressure - 3718 Average pressure - 2300 MAX RATE - 5 BPM AVG RATE - 5 BPM</p> <p>5 MIN - 1452 PSI / tbg 1451.98 / csg 36.87 10 MIN - 1360 PSI / tbg 1360.28 / csg 0.78 15 MIN - 1299 PSI / tbg 1299.8 / csg 0.39 SHUT IN WELL / tbg 1289.66 / csg 0.39 TOTAL ACID- 247 BBLS TOTAL LOAD - 400 BBLS</p> | |
| 14:00 | 2.00 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Well shut in for 2 hrs per procedure after acid job. | |
| 16:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | FLODWN | Open and flow well back to frac tank. Recovered 195 bbl of fluid. Flowing back on a 36 / 64 choke @ 275 psi. | |
| 17:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Close well in verify , debrief . | |
| 17:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard. | |
| 18:00 | 6.00 | | INACTIVE | No work being performed. | |

| | | | |
|--------------------------------------|-------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lessee Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/25/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 5.29

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

| | |
|--|---|
| Daily Operations | |
| Status at Reporting Time SI | Projected Operations Rig up Petro Plex , pump acid and additives. |
| Operations Summary Check pressures , pull out of the hole with mills. Rig up wireline tag @ 4202 run on in to 4270' and stack out. Rig up testers and test in the hole with tubing. | Comments No incidents or environmental issues today. Rig is 4778 days IFO |
| Job Day (days) 15 | Report Number 11 |
| Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 7.87 |

| Mud Checks | | | | |
|----------------|-------------------|------------|------------------------|-----|
| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
| | | | | |

| Time Log | | | | | |
|------------|----------|----------------------------------|----------|--|--------------|
| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
| 00:00 | 6.00 | | INACTIVE | No work being performed. | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to location. | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | JSA , Safety Meeting with crew and wireline. | |
| 07:00 | 2.00 | INTER, INTER, 7/12/2016 00:00 | TBGPULL | Check pressure 0 tubing / 100 casing. Caliper all lifting equipment. Pull out of the hole with 130 x 2 3/8 tubing and bottom hole assembly. Concave mill and the string mill showed some wear. | |
| 09:00 | 2.00 | INTER, INTER, 7/12/2016 00:00 | PERF | Have safety meeting with crew and QES again . Rig up wireline and run in the hole with 3 1/8 perforating guns and tag @ 4202 went right on through, stacked out at 4270'. Pull out of the hole and rig down. | |
| 11:00 | 2.50 | INTER, INTER, 7/12/2016 00:00 | TBGTST | Rig up Hydrostatic and test in the hole. Run in the hole with , 1 1/8 x 2 3/8 S.N. packer 12 x 2 3/8 notched collar. Set packer @ 3855' Tail pipe @ 4241' Running in we tagged @ 4273 with tail pipe , picked up to the next joint to set packer . | |
| 13:30 | 1.00 | INTER, INTER, 7/12/2016 00:00 | CC | Circulate hole clean with 50 bbl. | |
| 14:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | PKRSTRLC | Set packer @ 3857' Tested packer and casing to 500 psi. Packer and casing held.. | |
| 15:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Close well in and verify and debrief. | |
| 15:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard. | |
| 16:00 | 6.00 | | INACTIVE | No work being performed. | |

| | | | |
|--------------------------------------|-------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lessee Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/22/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 4.88

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

| | |
|--|--|
| Daily Operations | |
| Status at Reporting Time SI | Projected Operations POOH WITH BHA, PERFORATE, RUN TREATING PACKER |
| Operations Summary MILL OUT TIGHT SPOTS AND CLEAN OUT TO TD, POOH ABOVE PERFS | Comments No incidents or environmental issues today. BEAT THE HEAT Rig is 4777 days IFO |
| Job Day (days) 12 | Report Number 10 |
| Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 8.55 |

| | | | | |
|-------------------|-------------------|------------|------------------------|-----|
| Mud Checks | | | | |
| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
| | | | | |

| Time Log | | | | | |
|-----------------|----------|----------------------------------|----------|--|--------------|
| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
| 00:00 | 6.00 | | INACTIVE | NO ACTIVITY | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | CREW TRAVEL | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | SAFETY MEETING | |
| 07:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | PSR/U | OPEN WELL UP NO PRESSURE CALIPER AND INSPECT ALL TUBING EQU. FOR CONDITION AND SIZE 2 7/8 PURU POWER SWIVEL | |
| 07:30 | 4.50 | INTER, INTER, 7/12/2016 00:00 | MILL | TAG TIGHT SPOT @ 4207 MILL THROUGH 5 MINUTES CIRCULATE MUD OUT WITH 10# BRINE TAG SECOND TIGHT SPOT @ 4338', MILL THROUGH 5 MINUTES MILL OUT TIGHT SPOT SOME METAL SHAVINGS AND SCALE IN RETURNS TAG TIGHT SPOT @ 4436', MILL THROUGH 1.5 HOURS SCALE IN RETURNS MILL AND WASH TO 4723. MOSTLY SCALE AND SOME FORMATION IN RETURNS | |
| 12:00 | 1.50 | INTER, INTER, 7/12/2016 00:00 | CC | CIRCULATE CLEAN 10# BRINE | |
| 13:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | PSR/D | RD POWER SWIVEL | |
| 14:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | TBGPULL | CALIPER AND INSPECT ALL TUBING EQU. FOR CONDITION AND PROPER SIZE 2 3/8 POOH 19 JTS 2 3/8 J-55 WORK STRING, MILL @ 4112' SHUT WELL IN VERIFY BOP AND ALL VALVES CLOSED | |
| 15:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | CREW TRAVEL | |
| 15:30 | 8.50 | | INACTIVE | NO ACTIVITY | |

| | | | |
|--------------------------------------|------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lease Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/20/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 3.96

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

Daily Operations

| | |
|--------------------------------|--|
| Status at Reporting Time SI | Projected Operations Install down hole check and continue on to PBDT. Clean if need to perforate . |
|--------------------------------|--|

| | |
|--|---|
| Operations Summary Rig up floor and run in and retrieve RBPs, one @ 513' and one @ 4150' . Run in hole with collars and bit and leave swinging @ 4286.95 | Comments No incidents or environmental issues today. |
|--|---|

| | | | |
|----------------------|--------------------|--------------------------------------|---------------------------------------|
| Job Day (days) 10 | Report Number 8 | Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 10.53 |
|----------------------|--------------------|--------------------------------------|---------------------------------------|

Mud Checks

| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
|----------------|-------------------|------------|------------------------|-----|
| | | | | |

Time Log

| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
|------------|----------|----------------------------------|----------|---|--------------|
| 00:00 | 6.00 | | INACTIVE | No work being performed. | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to location. | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | JSA , Safety Meeting. | |
| 07:00 | 3.00 | INTER, INTER, 7/12/2016 00:00 | TBGP/U | Check pressure 0 tubing / 0 casing Caliper all lifting equipment. Run in the hole with 16 x 2 3/8 , retrieving tool . to 513' to first RBP. Test BOP rams and Hydrill 300 psi low / 500 psi high | |
| 10:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | CLNOUT | Hook up kelly hose , Circulate sand off of RBP and latch on and release . | |
| 10:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TBGPULL | Pull out of the hole and take off RBP . | |
| 11:00 | 2.50 | INTER, INTER, 7/12/2016 00:00 | TBGP/U | Run in with our 16 joints and start picking up 106 more tubing off the rack. Latch on and release pressure under second RBP @ 4150' | |
| 13:30 | 1.50 | INTER, INTER, 7/12/2016 00:00 | TBGPULL | Pull out of the hole 30 x 2 3/8 and had to pump a 10 bbl mud cap. Finished pulling 92 x 2 3/8 out of the hole with tubing and RBP. | |
| 15:00 | 2.00 | INTER, INTER, 7/12/2016 00:00 | TBGRUN | Run in the hole with , 126 x 2 3/8 4286.95 x-over 1" 3 1/8 .80 D C 1 1/16 3 1/8 29.40 D C 1 1/16 3 1/8 29.37 D C 1 5/16 3 1/8 30.90 D C 1 1/4 3 1/8 30.25 D C 1 1/4 3 1/8 28.79 D C 1 1/16 3 1/8 29.24 B S 1 1/2 3 3/16 1.49 Bit 3 7/8 .30 Total 4286.95 | |
| 17:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Close well in and verify , debrief. | |
| 17:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard. | |
| 18:00 | 6.00 | | INACTIVE | No workbeing performed. | |

| | | | |
|--------------------------------------|------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lease Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/19/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 3.46

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

| | |
|--------------------------------|--|
| Daily Operations | |
| Status at Reporting Time SI | Projected Operations Rig up floor and run in and retrieve RBPs, one @ 513' and one @ 4150' . Run in and clean out to 4722' |

| | |
|--|---|
| Operations Summary Inspect well heads at WSI , and double check casing . If WSI has a head get a welder and add 1' of 4 1/2 casing and cut to fit new head. | Comments No incidents or environmental issues today. |
|--|---|

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|---------------------|--------------------|--------------------------------------|---------------------------------------|
| Job Day (days) 9 | Report Number 7 | Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 12.05 |
|---------------------|--------------------|--------------------------------------|---------------------------------------|

| Mud Checks | | | | |
|----------------|-------------------|------------|------------------------|-----|
| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
| | | | | |

| Time Log | | | | | |
|------------|----------|----------------------------------|----------|---|--------------|
| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
| 00:00 | 6.00 | | INACTIVE | No work being performed. | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to location. | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESDWN | JSA , Safety Meeting. | |
| 07:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | CSGTST | Run in the hole with 4 1/2 packer and double check , set packer @ 3' and testesed down to 500 psi, it held. | |
| 07:30 | 8.50 | INTER, INTER, 7/12/2016 00:00 | WHDINST | Have safety meeting with crew and welder, inspect well head , call in results to WE and superintendent. Had DXP to check well with tri meter. Designate a fire watch. Added on 4' of 4 1/2 casing and onto what was sticking up . Set bottom spool and tightened it up and leveled it. Measure and cut to fit seal and new head. Tested to 3000 psi and it held | |
| 16:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | BOPEINST | Rig up BOP , Test 300 psi and 500 psi and it held. | |
| 17:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Close well in and verify , debrief | |
| 17:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard | |
| 18:00 | 6.00 | | INACTIVE | No work being performed. | |

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|--------------------------------------|-------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lessee Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface LWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/18/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 2.96

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

| | | | |
|---|--------------------|--|---------------------------------------|
| Daily Operations | | | |
| Status at Reporting Time SI | | Projected Operations Inspect well heads at WSI , and double check casing . If WSI has a head get a welder and add 1' of 4 1/2 casing and cut to fit new head. | |
| Operations Summary Conduct safety meeting with crew , dig out well head. Test head to 500 psi and found a leak. Started n/d well head | | Comments No incidents or environmental issues today. | |
| Job Day (days) 8 | Report Number 6 | Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 14.08 |

| | | | | |
|-------------------|-------------------|------------|------------------------|-----|
| Mud Checks | | | | |
| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
| | | | | |

| Time Log | | | | | |
|-----------------|----------|-------------------------------|----------|--|--------------|
| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
| 00:00 | 6.00 | | INACTIVE | No work being performed. | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to location. | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | JSA , Safety Meeting. | |
| 07:00 | 1.50 | INTER, INTER, 7/12/2016 00:00 | WHDMAIN | Dig out well head with backhoe . | |
| 08:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | CSGTST | Pressure up on casing and it showed that the 2 top flanges were tied together . We did see a leak in the bottom 11" 3K flange . | |
| 09:00 | 7.00 | INTER, INTER, 7/12/2016 00:00 | WHDRCVR | Start trying to nipple down well head. All bolts were loose but highly corroded. after getting all bolts taken out and head taken off noticed that the ring in ring grove wasn't even close to being the right one. Talked with FMC from 7:16 am to 4:27 pm , they are thinking about building a head but needing a few days to get everything together. Called and had WSI come out and look everything over they think they have what we need in their yard. | |
| 16:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | WHDINST | Nipple head back up. | |
| 17:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Close well in and verify , debrief. | |
| 17:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard. | |
| 18:00 | 6.00 | | INACTIVE | No work being performed. | |

| | | | |
|--------------------------------------|------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lease Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/15/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 2.46

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

Daily Operations

| | |
|--------------------------------|---|
| Status at Reporting Time SI | Projected Operations Rig down work over rig and move all equipment to VGSAU # 46 Start on digging out well head . |
|--------------------------------|---|

| | |
|--|---|
| Operations Summary Finish pull out laying down , rig up wire line and run CBL have results e-mailed to everyone. Run in and by down injection tubing , set top RBP and dump sand . N/D BOP N/U well head . | Comments No incidents or environmental issues today. |
|--|---|

| | | | |
|---------------------|--------------------|--------------------------------------|---------------------------------------|
| Job Day (days) 5 | Report Number 5 | Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 16.95 |
|---------------------|--------------------|--------------------------------------|---------------------------------------|

Mud Checks

| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
|----------------|-------------------|------------|------------------------|-----|
| | | | | |

Time Log

| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
|------------|----------|-------------------------------|----------|---|--------------|
| 00:00 | 6.00 | | INACTIVE | No work being performed. | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to location. | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | JSA , Safety Meeting | |
| 07:00 | 2.00 | INTER, INTER, 7/12/2016 00:00 | TBGL/D | Check pressures , 0 tubing , 0 casing Caliper all lifting equipment. Pull out of the hole laying down 4137' of 2 3/8 | |
| 09:00 | 2.00 | INTER, INTER, 7/12/2016 00:00 | R/U | Rig up Apollo wireline. Run casing bond log, had to load the hole and keep pumping so we could get a decent log. Rig down Apollo. | |
| 11:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | TBGRUN | Run in the hole with injection tubing . 4200' with 2 3/8 IPC TK99 | |
| 12:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESREST | Lunch for crew. | |
| 12:30 | 3.00 | INTER, INTER, 7/12/2016 00:00 | TBGL/D | Pull out laying down injection string. | |
| 15:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TBGRUN | Run in the hole with 16 x 2 3/8 and 4 1/2 RBP . Set RBP @ 513' | |
| 16:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | CC | Circulate and load the hole with clean brine. | |
| 16:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TBGL/D | Pull out laying down tubing and retrieving tool. Top off hole with water. | |
| 17:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | BOPERCVR | Nipple down BOP Dump 2 sacks of sand on RBP @ 513' | |
| 17:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WHDINST | Nipple up well head | |
| 18:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Close well in and verify , debrief. | |
| 18:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard. | |
| 19:00 | 5.00 | | INACTIVE | No work being . | |

| | | | |
|--------------------------------------|------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lease Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/14/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 1.92

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

| | |
|--------------------------------|--|
| Daily Operations | |
| Status at Reporting Time SI | Projected Operations Finish pull out laying down , rig up wire line and run CBL have results e-mailed to everyone. Run in and ly down injection tubing , set top RBP and dump sand . N/D BOP N/U well head . |

| | |
|--|---|
| Operations Summary Spot mud cap and pull out of the hole. Pick up RBP / PKR and run in and set RBP and test . start out of the hole. | Comments No incidents or environmental issues today. |
|--|---|

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|---------------------|--------------------|--------------------------------------|---------------------------------------|
| Job Day (days) 4 | Report Number 4 | Cum Problem Time Hours (hr) 10.00 | Cum Percent Problem Time (%) 21.74 |
|---------------------|--------------------|--------------------------------------|---------------------------------------|

| | | | | |
|-------------------|-------------------|------------|------------------------|-----|
| Mud Checks | | | | |
| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
| | | | | |

| Time Log | | | | | | |
|-----------------|----------|----------------------------------|----------|---|--------------|--|
| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) | |
| 00:00 | 6.00 | | INACTIVE | No work being performed. | | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to location. | | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | JSA , Safety Meeting | | |
| 07:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | TBGPULL | Check pressure , tubing 0 psi / casing 0 psi Caliper all lifting equipment. Pull out of the hole with tubing and injection packer. | | |
| 08:00 | 2.00 | INTER, INTER, 7/12/2016 00:00 | TBGRUN | Run in the hole with , 128 x 2 3/8 on/off tool 4 1/2 packer on/ off tool 4 1/2 RBP Set RBP @ 4150' Pull up and set packer @ 4137' Tested plug to 600 psi and charted. | | |
| 10:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | TBGL/D | Started out of the hole and laid down 40 x 2 3/8 | | |
| 11:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Close well in and verify , debreif. | | |
| 11:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard. | | |
| 12:00 | 6.00 | INTER, INTER, 7/12/2016 00:00 | UNITRPR | Clutch bands on rig broke. Shut down to repair. | 6.00 | |
| 18:00 | 6.00 | | INACTIVE | No work being performed. | | |

| | | | | | | | |
|---------------------------|---|--|--|--|--|--|--|
| Unscheduled Events | | | | | | | |
| Event Reference No. 2 | Event Description Clutch bands on rig broke. Shut down to repair. | | | | | | |

| Event Type | Unsch Detail | Accountable Party | Service Contractor | Start Date | End Date | Start Depth (ftKB) | End Depth (MD) (ftKB) | Estimated Cost (Cost) |
|------------|--------------|-------------------|----------------------------------|-----------------|-----------------|--------------------|-----------------------|-----------------------|
| NPT | EQP | Rig Contractor | Key Energy Services, Rig Daywork | 7/14/2016 12:00 | 7/14/2016 18:00 | 0 | 0 | 1,500 |

| | | | |
|--------------------------------------|------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lease Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface LWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/13/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 1.42

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

| | |
|--------------------------------|---|
| Daily Operations | |
| Status at Reporting Time SI | Projected Operations Spot a mud cap and pull out of the hole with packer . Run in the hole with RBP and set it, circulate the hole with brine pull out laying down all except 500' . Run in with the injection tubing and pull out laying down . |

| | |
|--|---|
| Operations Summary Run in the hole with work string and packer , start isolating the hole. Found hole @ 8' to surface. Run in for injection packer , pull profile . | Comments No incidents or environmental issues today. |
|--|---|

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|---------------------|--------------------|-------------------------------------|---------------------------------------|
| Job Day (days) 3 | Report Number 3 | Cum Problem Time Hours (hr) 4.00 | Cum Percent Problem Time (%) 11.76 |
|---------------------|--------------------|-------------------------------------|---------------------------------------|

| Mud Checks | | | | |
|----------------|-----------------|------------|------------------------|-----|
| Mud/Brine Type | Depth (MD) (ft) | Fluid Type | Fluid Density (lb/gal) | Com |

| Time Log | | | | | |
|------------|----------|-------------------------------|----------|--|--------------|
| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
| 00:00 | 6.00 | | INACTIVE | No work being performed. | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to location. | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESDWN | JSA , Safety Meeting. Expectations for the day. | |
| 07:00 | 3.50 | INTER, INTER, 7/12/2016 00:00 | TBGP/U | Check pressure's, tubing 0 psi / casing 0 psi Caliper all lifting equipment. Pick up test packer and 70 x 2 3/8 work string , test @ 2285' Above packer Below packer, 510 psi - 7 minutes 450 psi Release packer run in with 58 x 2 3/8 to 4167' Set packer and test to make sure bottom packer is holding. Below Packer , 540 psi - 15 minutes down to 480 psi. This shows that the injection packer is leaking. Same leak that was @ 15' from surface . | |
| 10:30 | 1.00 | INTER, INTER, 7/12/2016 00:00 | TBGPULL | Pull out of the hole with , 128 x 2 3/8 tubing . | |
| 11:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TBGP/U | Pick up a packer and a 10' sub, set packer @ 8' Load below packer and put 540 psi on it. Put 500 psi above packer to the well head , before we could close the valve it was at 50 psi. | |
| 12:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESREST | Lunch for crew. | |
| 12:30 | 1.00 | INTER, INTER, 7/12/2016 00:00 | TBGRUN | Run in the hole with 129 x 2 3/8 retrieving tool. Latch on to packer. | |
| 13:30 | 2.00 | INTER, INTER, 7/12/2016 00:00 | R/U | Rig up QES wireline , run in and punch and pull 1.43 plug . Rig down wireline. | |
| 15:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | DISPLACE | Pump 15 bbl of brine , and it build back up to 150 psi. Released packer and made sure it was loose. | |
| 16:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Close well in and verify , debrief. | |
| 16:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard. | |
| 17:00 | 7.00 | | INACTIVE | No operations at well site. | |

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|--------------------------------------|------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lease Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/12/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 0.96

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

Daily Operations

| | |
|--------------------------------|---|
| Status at Reporting Time SI | Projected Operations Run in the hole with packer and start looking for a leak. Isolate hole with in 5' |
|--------------------------------|---|

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|---|---|
| Operations Summary Nipple down b1 flange , set packer at different depths . wouldn't test, called WSI they tested the flange and BOP, rams and blinds, and hydrill , 300 psi low and 500 psi high. Rig up scanners and pull out of the hole with tubing. | Comments No incidents or environmental issues today. |
|---|---|

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|---------------------|--------------------|-------------------------------------|---------------------------------------|
| Job Day (days) 2 | Report Number 2 | Cum Problem Time Hours (hr) 4.00 | Cum Percent Problem Time (%) 17.39 |
|---------------------|--------------------|-------------------------------------|---------------------------------------|

Mud Checks

| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
|----------------|-------------------|------------|------------------------|-----|
| | | | | |

Time Log

| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
|------------|----------|-------------------------------|----------|---|--------------|
| 00:00 | 6.00 | | INACTIVE | No work being performed. | |
| 06:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel to location. | |
| 06:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | HESMTG | JSA , Safety Meeting. | |
| 07:00 | 6.50 | INTER, INTER, 7/12/2016 00:00 | BOPTST | Callipered all lifting equipment. Checked pressure , tubing 0 psi / casing non recordable blow. Removed B1 flange pick up packer and start trying to get a test on the BOP. Run in from 10' to 200' and it wouldn't hold. Called WSI and they came out and run a hanger with a two way check valve. Seated it in the well head and we got a test , we was able to get a test on rams and blinds. pipe rams 300 psi low and 500 psi high , and also tested the blinds to the same thing. | 4.00 |
| 13:30 | 2.00 | INTER, INTER, 7/12/2016 00:00 | TBGPULL | Rigged up scanners and , scanned tubing out of the hole, only keeping the yellow band. Scanned out , 132 x 2 3/8 TK99 tubing. 132 yellow 0 Blue 0 Green 0 Red | |
| 15:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | R/D | Rig down scanners. | |
| 16:00 | 1.00 | INTER, INTER, 7/12/2016 00:00 | OFFLOAD | Move in the work string to the racks. Tally and prep to run in the hole with test packer . | |
| 17:00 | 0.50 | INTER, INTER, 7/12/2016 00:00 | WELLSI | Close well in and debrief , and verify . | |
| 17:30 | 0.50 | INTER, INTER, 7/12/2016 00:00 | TRAV | Crew travel back to the yard. | |
| 18:00 | 6.00 | | INACTIVE | No wrok being performed. | |

Unscheduled Events

| | |
|--------------------------|--|
| Event Reference No. 1 | Event Description Shut down and waited on orders for a BOP , MOC to call a bop test good |
|--------------------------|--|

| | | | | | | | | |
|-------------------|------------------------|-------------------------------|--|-------------------------------|-----------------------------|-------------------------|----------------------------|--------------------------------|
| Event Type NPT | Unsch Detail ORDERS | Accountable Party Operator | Service Contractor Chevron, <servicetyp> | Start Date 7/12/2016 09:30 | End Date 7/12/2016 13:30 | Start Depth (ftKB) 0 | End Depth (MD) (ftKB) 0 | Estimated Cost (Cost) 3,400 |
|-------------------|------------------------|-------------------------------|--|-------------------------------|-----------------------------|-------------------------|----------------------------|--------------------------------|

| | | | |
|--------------------------------------|------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lease Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |



MCBU Compl & WO 'Outside' Report

7/11/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 0.46

| | | | |
|--|--|---------------------------------|--|
| Primary Wellbore Affected Original Hole | Job Category Major Rig Work Over (MRWO) | Primary Job Type Stimulation | SBU Completion Well Category Comp Well Category 1 |
| Business Unit Mid-Continent | Area Central Permian | Well Type Water Injector | Directional Type Vertical |

| | |
|--------------------------------|--|
| Daily Operations | |
| Status at Reporting Time SI | Projected Operations Take off B1 flange and run test packer to different depths and call in results. Rig up scanners and pull out of the hole. Pick up work string packer and plug and test casing to isolate hole. |

| | |
|--|---|
| Operations Summary Road rig , rig up and move in all auxillary equipment. Pump 50 bbl of brian well pressured up to 250 psi. Rig up wire line set 1.43 profile plug and test. N/D well head , N/U BOP and test 300 psi | Comments No incidents or environmental issues today. |
|--|---|

| | | | |
|---------------------|--------------------|-------------------------------------|--------------------------------------|
| Job Day (days) 1 | Report Number 1 | Cum Problem Time Hours (hr) 0.00 | Cum Percent Problem Time (%) 0.00 |
|---------------------|--------------------|-------------------------------------|--------------------------------------|

| Mud Checks | | | | |
|----------------|-------------------|------------|------------------------|-----|
| Mud/Brine Type | Depth (MD) (ftKB) | Fluid Type | Fluid Density (lb/gal) | Com |
| | | | | |

| Time Log | | | | | |
|------------|----------|--------------------------|----------|---|--------------|
| Start Time | Dur (hr) | Phase | Activity | Com | UE Time (hr) |
| 10:30 | 0.50 | MOB, RU, 7/11/2016 10:30 | TRAV | Road rig | |
| 11:00 | 2.00 | MOB, RU, 7/11/2016 10:30 | OFFLOAD | Move in all equipment . | |
| 13:00 | 1.00 | MOB, RU, 7/11/2016 10:30 | CC | Pump 50 bbl of brine and establish fluid kill weight. After pumping 20 minute tubing had 250 psi on it. Pumped down the casing and put 500 psi on it and in 1 minute it was down to 400 psi. | |
| 14:00 | 1.00 | MOB, RU, 7/11/2016 10:30 | R/U | Rig up Wire line and set 1.43 profile plug and test to 500 psi held Rid down. | |
| 15:00 | 1.00 | MOB, RU, 7/11/2016 10:30 | R/U | Rig up work over rig, Caliper all lifting equipment. Casing had 500 psi Tubing 450 psi | |
| 16:00 | 1.00 | MOB, RU, 7/11/2016 10:30 | WHDRCVR | Nipple down well head . | |
| 17:00 | 1.00 | MOB, RU, 7/11/2016 10:30 | BOPEINST | Rig up BOP. | |
| 18:00 | 2.50 | MOB, RU, 7/11/2016 10:30 | TBGPULL | Release retrieving tool from packer , pull 1 x 2 3/8 TK99 and pickup packer and run in and test BOP. BOP held with 300 psi At 500 psi in 15 minutes it went to 400 psi , it is just a steady drop. Run in with 2 x 2 3/8 same results. Intermediate has 140 psi on it , it is climbing just a little but not equalizing. Surface is wide open with no fluid or gas coming from it. There is no visible leaks from the BOP or from out of the ground. We nipped up a B1 flange on top of the Hydrill. There is also a 1.43 profile nipple in the production packer. | |
| 20:30 | 0.50 | | WELLSI | Close well in and verify and debrief. | |
| 21:00 | 0.50 | | TRAV | Crew travel back to the yard. | |
| 21:30 | 2.50 | | INACTIVE | No work being performed. | |

| | | | |
|--------------------------------------|-------------------------------|--|--------------------------------|
| Well Name CENTRAL VACUUM UNIT 143 | Lessee Central Vacuum Unit | Field Name Vacuum | Business Unit Mid-Continent |
| County/ Parish Lea | State/Province New Mexico | Original Spud Date 10/8/1980 | Surface UWI 3002526787 |
| Rig/Unit Contractor Key Energy | Rig/Unit # / Name 336 | Rig/Unit Start Date 7/11/2016 10:30 | Rig/Unit End Date |

CVU #143 Wellbore Diagram

Created: 08/07/07 By: HLH
 Updated: 6/13/2011 By: PTB
 Lease: Central Vacuum Unit
 Field: Vacuum Grayburg-San Andres
 Surf. Loc.: 1310' FNL & 50' FEL
 Bot. Loc.: _____
 County: Lea St.: NM
 Status: Water Injection Well

Well #: 143 St. Lse: _____
 API: 30-025-26787
 Unit Ltr.: A Section: 6
 TSHP/Rng: S-18 E-35
 Unit Ltr.: _____ Section: _____
 TSHP/Rng: _____
 Directions: Buckeye, NM
 CHEVNO: FJ5632

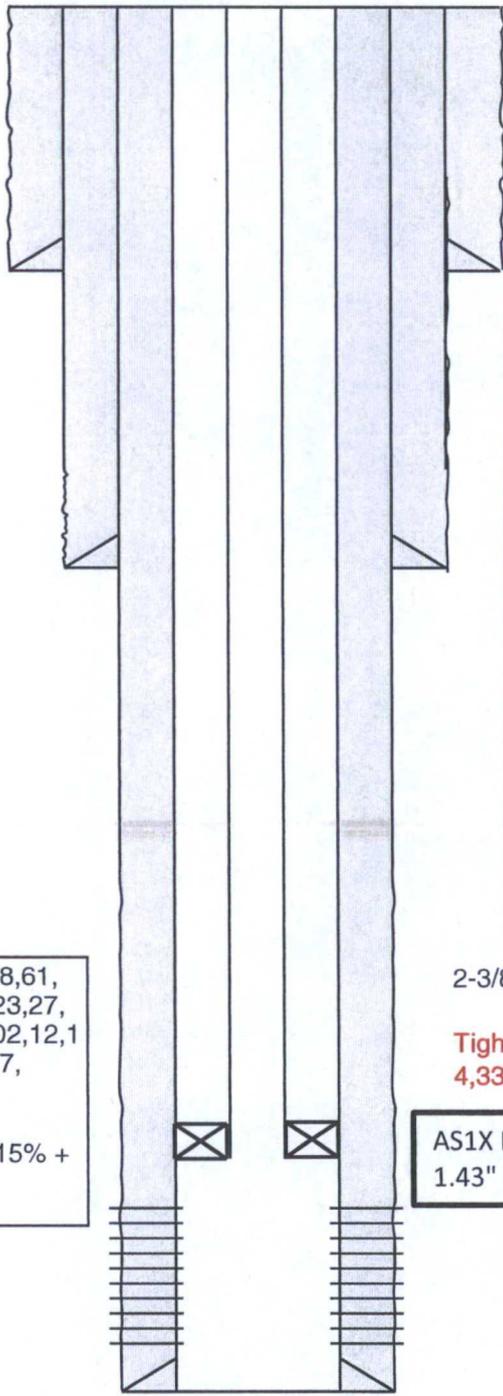
Surface Casing
 Size: 13 3/8"
 Wt., Grd.: 48#
 Depth: 365
 Sxs Cmt: 450
 Circulate: Yes
 TOC: Surface
 Hole Size: 17.5

Intermediate Casing
 Size: 9 5/8"
 Wt., Grd.: 43.5#
 Depth: 1510'
 Sxs Cmt: 1,000
 Circulate: Yes; 100 sx
 TOC: surface
 Hole Size: 13 3/8"

Production Casing
 Size: 4 1/2"
 Wt., Grd.: 10.5#
 Depth: 4800
 Sxs Cmt: 2,725
 Circulate: Yes, 200 sx
 TOC: surface
 Hole Size: 6 1/8"

4354,94,4402,07,27,30,36,39,41,48,61,
 66,80,83,86,95,4500,04,09,12,19,23,27,
 30,56,58,63,66,69,76,90,96,4600,02,12,1
 6,19,26,34,40,45,50,55,73,76,79,97,
 4700,03

Ac 2 stage w/ total of 15.6 M gals 15% +
 BS



KB: _____
 DF: _____
 GL: 3,967
 Ini. Spud: 10/08/80
 Ini. Comp.: 11/05/80

History
 11/80 Completion: Set pkr @ 4538'. Acid perfs 4556-4703' w/7500 gals 15% NEFE aci & 49 ball sealers. Reset RBP @ 4538' & pkr @ 4304'. Acid perfs 4354-4530' w/8100 gals 15% NEFE & 53 ball sealers. Ran 2-3/8" duoline tbg w/pkr @ 4276'.
 5/95- press increase 2320#
 6/00- tbg leak, replaced tbg, returned to injection
 5/09 Bad tag. Tbg. pressure 1760
 5/11: Acidize: Tag @ 4,196' & CO to 4,722'. Mill tight spot from 4,091' to 4,196'. Tag another tight spot @ 4,435'. Acidize perfs w/ 5,000g 15%. Set pkr @ 4,169'.
 10/12: MIT Repair: RIH w/ new pkr. set @ 4,163'.
 7/11/16: MIT Repair: Found WH to be leaking. Replaced necessary parts. Tag @ 4,439' during CO run. Mill out tight spots at 4207', 4338', & 4436'. CO to 4723'. Couldnt get perf gun down - drop perf adds. RIH with packer and acidize with 10,000g 15% with nanosurfactant. Make CO run to 4,722 tagging at 4204', 4206', 4270', 4336', 4470', 4578', 4595', & 4630'. Set pkr @ 4,140'. MIT test good.

2-3/8" TK-99 tbg

Tight spots noted from 4,091' - 4,196' & 4,335'

**AS1X Packer set @ 4140'
 1.43" PN w/ O/O Tool**

San Andres Perfs:
 4354' - 4703'

PBTD: 4722'
 TD: 4,800