

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

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:

PERFORM REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

DOWNHOLE COMMINGLE ☐

CLOSED-LOOP SYSTEM ☐

OTHER: ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

COMMENCE DRILLING OPNS. ☐

CASING/CEMENT JOB ☐

ALTERING CASING ☐

P AND A ☐

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

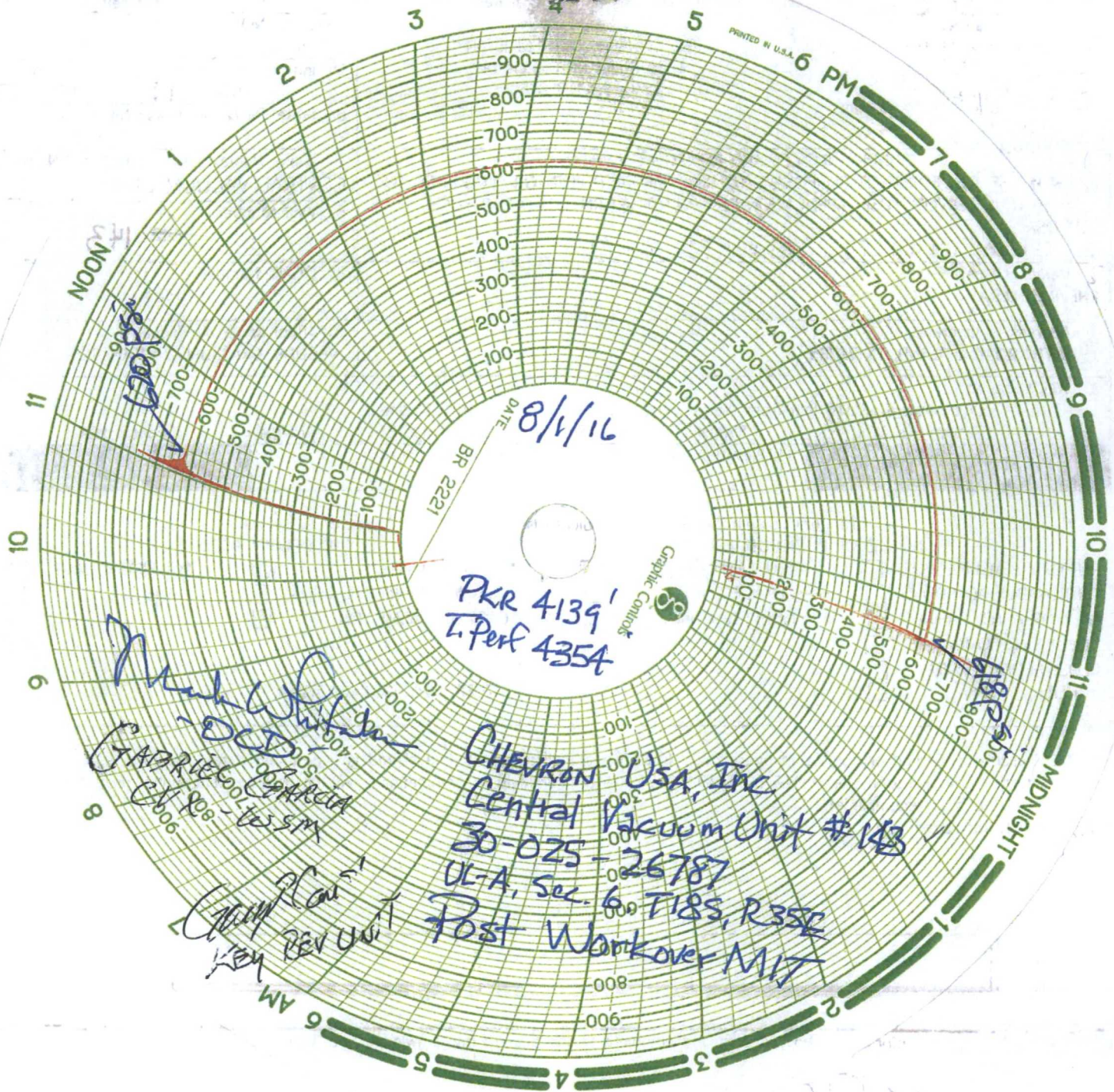
For State Use Only

APPROVED BY:

Conditions of Approval (if any):

Maheya Brown Dist. Supervisor 11/21/2016

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



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	WELL TEST	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



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 OperationsStatus at Reporting Time
SI

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 Caliper 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

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	
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) (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	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	Check pressures 100 on tubing / 0 casing Rig up Petro Plex , Test lines to 5000 psi 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 Total volumes of Flotek Chemical TOTAL TREATED 306 gal MFS-GREEN / H2O - 49 BBLS Total Treated StimOil 40 gal - IOR 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. 2nd Acid stage on formation @ 2207 psi 2nd block 1000 # on formation @ 2434 psi / 220 psi increase 3rd Acid on formation @ 2428 psi 3rd block 1500 # on formation / 2661 psi / 460 psi increase 4th Acid on formation @ 2600 psi 4th block on formation 2000 # / 2984 psi / 770 psi increase 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 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			
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		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

7/25/2016

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 OperationsStatus at Reporting Time
SIProjected 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
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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 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 , 118 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

CommentsNo 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
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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 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

7/21/2016

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 4.48

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 OperationsStatus at Reporting Time
SI

Projected Operations

Run on in the hole pick up swivel and start cleaning out to bottom.
With mill and string mill.

Operations Summary

Finished running in the hole with 2 3/8 and tag @ 4439' Pick up swivel and started drilling , we couldnt make any hole. layed swivel down and pull half way out and waited on them to tell us the mill was ready. Then pulled and run back with mill.

Comments

No incidents or environmental issues today.

Rig is 4777 days IFO

Job Day (days)

11

Report Number

9

Cum Problem Time Hours (hr)

10.00

Cum Percent Problem Time (%)

9.30

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 at this time.	
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	2.50	INTER, INTER, 7/12/2016 00:00	TBGRUN	Check pressure = 0 tubing / 0 casing Caliper all lifting equipment. Run in the hole and tag @ 4439' Joint went all the way down and we picked back up and it wouldn't go down . (In the past we have tagged and pulled back up and what it does is roll a piece of casing out)	
09:30	1.00	INTER, INTER, 7/12/2016 00:00	PSR/U	Rig up power swivel and circulate mud out.	
10:30	1.50	INTER, INTER, 7/12/2016 00:00	CLNOUT	Start cleaning out , after trying different things we couldn't make any hole circulated bottoms up .	
12:00	0.50	INTER, INTER, 7/12/2016 00:00	PSR/D	Rig down power swivel.	
12:30	0.50	INTER, INTER, 7/12/2016 00:00	HESREST	Lunch for crew.	
13:00	3.00	INTER, INTER, 7/12/2016 00:00	TBGPULL	Pull to check in the tubing string , spot a mud cap . Pull to 2500' and when fishing tool company calls and told us the mill was ready and headed our way . We finished pulling out of the hole.	
16:00	1.50	INTER, INTER, 7/12/2016 00:00	TBGRUN	Run in the hole , 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 String mill 3 7/8 2.65 10' x 2 3/8 10.00 B S 3 3/8 1.85 Mill 3 5/8 .85 Total 4305'	
17:30	0.50	INTER, INTER, 7/12/2016 00:00	WELLSI	Close well in and verify and debrief.	
18:00	0.50	INTER, INTER, 7/12/2016 00:00	TRAV	Crew travel back to the yard.	
18:30	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

7/20/2016

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 PBTD. 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 releave 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

CENTRAL VACUUM UNIT 143

Plan Days: 10.00, Tot Days: 3.46

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

Daily Operations

<p>Status at Reporting Time</p> <p>SI</p>	<p>Projected Operations</p> <p>Rig up floor and run in and retrieve RBPs, one @ 513' and one @ 4150'.</p> <p>Run in and clean out to 4722'</p>
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<p>Operations Summary</p> <p>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.</p>	<p>Comments</p> <p>No incidents or environmental issues today.</p>
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Job Day (days)	Report Number	Cum Problem Time Hours (hr)	Cum Percent Problem Time (%)
9	7	10.00	12.05

Mud Checks

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 testessed 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.	

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 Energov	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.
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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.
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Job Day (days) 8	Report Number 6	Cum Problem Time Hours (hr) 10.00	Cum Percent Problem Time (%) 14.08
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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	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 ly 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

Primary Wellbore Affected	Job Category	Primary Job Type	SBU Completion Well Category
Original Hole	Major Rig Work Over (MRWO)	Stimulation	Comp Well Category 1
Business Unit	Area	Well Type	Directional Type
Mid-Continent	Central Permian	Water Injector	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 .
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<p>Operations Summary</p> <p>Spot mud cap and pull out of the hole.</p> <p>Pick up RBP / PKR and run in and set RBP and test start out of the hole.</p>	<p>Comments</p> <p>No incidents or environmental issues today.</p>
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Job Day (days)	Report Number	Cum Problem Time Hours (hr)	Cum Percent Problem Time (%)
4	4	10.00	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 NPT	Unsch Detail EQP	Accountable Party Rig Contractor	Service Contractor Key Energy Services, Rig Daywork	Start Date 7/14/2016 12:00	End Date 7/14/2016 18:00	Start Depth (ft)KB 0	End Depth (MD) (ft)KB 0	Estimated Cost (Cost) 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 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

7/13/2016

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 OperationsStatus 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.

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) (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. 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.	

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'
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.

Job Day (days) 2	Report Number 2	Cum Problem Time Hours (hr) 4.00	Cum Percent Problem Time (%) 17.39
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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	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 work 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 OperationsStatus 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 auxiliary equipment. Pump 50 bbl of brine 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
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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)
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

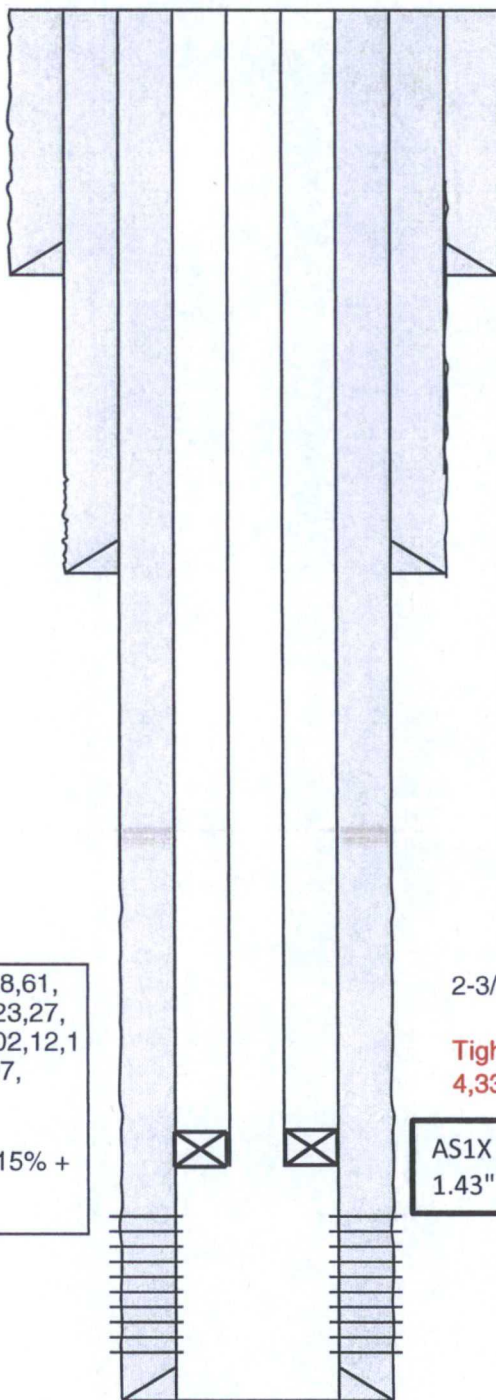
Size: 9 5/8"
 Wt., Grd.: 43.5#
 Depth: 1510'
 Sxs Cmt: 1,000
 Circulate: Yes; 100 sx
 TOC: surface
 Hole Size: 13 3/8"

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