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District II - (575) 748-1283
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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

HOBBS OCD
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
AUG 20 2013

WELL API NO. 30-025-23801
5. Indicate Type of Lease STATE [X] FEE []
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Central Vacuum Unit
8. Well Number 132
9. OGRID Number 4323
10. Pool name or Wildcat Vacuum Grayburg San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3964

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 [X] Gas Well [] Other []
2. Name of Operator Chevron USA Inc
3. Address of Operator 15 Smith Road Midland, TX 79705
4. Well Location Unit Letter O : 475 feet from the South line and 1650 feet from the East line
Section 30 Township 17S Range 35E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3964

12. Check appropriate box to indicate Nature of Notice, Report or Other Data
NOTICE OF PLUGGING
PERFORM REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A []
CASING/CEMENT JOB []
OTHER: W/O NEW P/A PROCEDURE
Approved for Plugging of well bore only. Liability under bond is retained pending receipt of C-103 (Specifically for Subsequent Report of Well Plugging) which may be found at OCD web page under forms/ www.emnrd.state.nm.us/bcd

Chevron USA Inc. plugged the above well. Attached are the procedures for plugging well.

Spud Date: []

Rig Release Date: []

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

SIGNATURE Cindy Herrera-Murillo TITLE Permitting Specialist DATE 08/20/2013

Type or print name Cindy Herrera-Murillo E-mail address: Cherreramurillo@chevron.com PHONE: 575-263-0431

APPROVED BY: [Signature] TITLE DIST. MGR DATE 8-22-2013

Conditions of Approval (if any):

AUG 22 2013

Central Vacuum Unit #132

API# 30-025-23801

Plugging & Abandon Procedure

02/22/13 MIRU pulling unit, Set Hydrawalk and pipe racks, check pressure on well, NDWH, NUBOP, safety drills and OSHA stand down. Offload workstring strap.

02/23/13 Checked well bore pressure > 0psi. RIH w/retrieving head, XO (2 3/8 EUE pin x 2 3/8 PH6 box – 1.77 x 2 7/8 x 1 13/16) and 11 jts tubing. Tag sand @ 323 and wash to RBP @ 348 Released RBP – np pressure below RBP. POOH. RIH w 2/38 notched collar. XO & 15 jts. Tagged @474 (last time in hole on 8-29-11 washed to 476) RU swivel and washed from 474 to 491. Tagged what could be TOF but started plugging off, was pumping 2.5 bbls/min with 150 psi going conventional. Pressures jumped up to 1000 psi while the lines were plugging off. Getting red bed and large pieces of formation back and was plugging 2 inch connections. PU to 468 and CHC. RIH and tagged fill @ 473. LD swivel and POOH LD, RIH w RBP on 11 jts to set @348. POOH layed down 11 jts.

02/25/13 Shut down operations due to snow and high winds.

02/26/13 Rig down floor and ND BOP. Install mud cross. NUBOP. Test spool and 3 inch valve to 250# and 500 # w/ no leaks. RIH w/retrieving head, xo and 11 jts tubing. Release RBP & POOH LD. RIH w/ 3 7/8 bit, bit sub, 2 xo's & 14 jts. PU swivel on jt 15 and break circ. W 80 vis 10# mud . We had troubles w/engine on re-entry pit. Shut down. Mechanic will be her in the morning to work on engine.

02/27/13 Broke circ and washed from 473 to 491. Tagged possible TOF. Circulate hole clean. POOH to 444. Shut down for 1 hrs RIH & tag @ 491 (possible 2" fill), POOH LD, RIH w/ 3 3/4 shoe w 3 7/8 smooth OD & 3 1/8 rough ID, 3 3/4 Drive Bushing, XO & 15 jts. Tag @491. Getting pressure increase as soon as setting on bottom 500 psi @ 2 bbls/min. Made approx. 2 inches. Dropped pump rate to try to make hole w /no success. CHC POOH LD BHA, No indication on BHA assembly that we are outside of casing. Outer outside edge and bottom of crown of shoe mill showed signs of use during milling. Prep to run impression block in the morning.

02/28/13 No pressure on well. RIH w 2 3/8 notched collar, xo & 16 jts tubing. Tag @ 490.5 Broke circ and washed 1/2 ft to TOF. Circ 1/2 hr POOH LD RHI w/ 3 3/4 impression block, xo and 16 jts tubing . Circ hole @ 490 ft , kick out pump and tag TOF. POOH LD block showed beveling on outside edge w various indentations on bottom surface of block. Wait on shoe. Shut in.

03/01/13 RIH w 3 7/8 SOD, RID Wavy bottom shoe, drive bushing XO 6-3 1/8 DC's, 2 XO's& 10 jts. Swivel and break circ. Tag @ 490.5 & wash to 493.5 w/pressure from 400 to 700 psi @ 2 bbls/min pumping conventional. Getting Red bed and some metal shavings in returns. No sign of copper or rubber coating, but did see what could have been armor. Formation was charging up and we lost approx. 50 bbls into formation. Hole would not clean up so we picked down to break swivel jts and tagged filled immediately at 468. LD 1 jt and tried to reestablish circulation but was plugged off. POOH w/wet string. No indication

of anything inside of shoe. We had even wear on bottom of shoe. Probably outside of casing, maybe beside lower stub and slicing a part of it explain the metal cuttings.

03/04/13 Check well pressure. LD 3 1/8 DC's. RIH w 2 3/8 Notched collare, xo and tag @ 349 2 3 ft out on jt 11. RU swivel and wash from 349' to 491' w/ 16 jts. Circulate 1 hr and LD 6 jts to 316. Wait 1 hr and RIH, tagged 3 1/2 ft high @ 487.5' LD 6 jts to 316 and Shut in.

03/05/13 TIH and tag fill w/ notch collar @ 434, clean fill to 492' . Circulate hole clean @ 489. RIH w/camera. TOH LD all tbg.

03/06/13 0 psi on well. THI w/shoe w/cut lip guide. Tag fill @ 418 ' Washed down to 493.5' Circulate hole clean. TOH LD shoe. TIH w/ notch collar, tag fill @ 233 washed down to 491'. Circulate hole clean. TOH EOT @ 291'.

03/07/13 Wait on 300 sks of cmt. Circulate hole clean, pump flow check, attempt to TIH w/pkr, but filled was tagged @ 295. LD pkr get inj rate w 10# mud @ 1.75 BPM & 400 psi pump 400 sks of cmt @ 3 BPM and 200 – 250 psi after washing up, we attempted to displace cmt, but we pressured up immediately. Release pressure to half frac. RD pumping lines from rig floor and LD 2 jts attempted to displace thru csg, but pressure rose up to 300 psi, well shut in and leave pressure over night.

03/08/13 It was noticed in the AM that the mud pit was full of cmt 3' line in spool was somehow open or cracked while cmt was being pumped last night. Pick up bear claw bit and tag cmt @ 2' below WH, drill out cmt to 50' and then fell out of it. Tag fill @ 86. LD bit and was attempted to establish inj rate, but well just pressured up, clean out cmt from pit by jetting it out.

03/09/13 Rig crew on standby, Roustabout crew in cleaning out and chipping cmt from mud pit. Hauling off cement to disposal w/vacuum truck.

03/11/13 Continue cleaning out cement 0 psi on well. TIH w/notch collar and tag fill @ 86' clean out to 201'. TOH pick up bit and continue cleaning out to 257'. TOH LD bit and pick up notch collar. TIH EOT @ 195'.

03/12/13 Continue cleaning out mud pit, Pump cement, Shut down and wait on cement to set over night.

03/13/13 Drill out cement. Mill fish w/concave mill.

03/14/13 TIH and tag fill @ 492'. TOH LD concave mill. THI w/ shoe mill. Mill from 495-496.

03/15/13 TIH and tag fill, clean out fill TOH LD Shoe mill. Shoe got twisted off at the confection. TIH w/tapered tap. Clean out 100' of fill, latch on to fish. TOH LD fish, EOT @ 332.

03/18/13 Clean out well displace hole w 14.5 #. Wait 1 hr change out mud system to 14.5#. Clean out well w 14.5. Shut in for 1 hr. TIH and tag fill @ 493. Clean out to 499' . TOH LD 6 jts of WS.

03/19/13 RIH w/notched collare and tag w/ 16 jts @493 LD 12 jts and POOH. RIH w/shoe #4 (3 ¾ shoe w 3 7/8 DOS, 3 1/8 RID. Flat bottom) Dress off mill, Jars, XO 10 3 1/8 DC's, XO, accelerator, XO & 5 jts. Tag @ 486,62, RU swivel and mill from 486.5 to 491. Washed easy to 495. and milled from 495 to 504. We were getting metal shavings, armor and insulation in returns. Lost torque and started washing from 504 to 524 and had slight increase in red bed returns. We could run 2 pts w/little problems but if we put 3 pts on shoe the pump pressure would increase from 500 to 800/900 psi. PU to work pipe back down and tagged @ 491 w/torque. We had to wash back down to 496 like we had never washed through that area before. PU to 490 & CHC. LD 4 jts to 396 & shut in.

03/20/13 POOH w/shoe . We recovered twisted tubing and 1 piece that looked to be casing, approx. 5 inches long by 3 inches wide. 4 ½ ft show was filled w/tubing. After removing metal from shoe we recovered two pieces of casing, one 2 ½ ft long and about 3 inches at its widest. The other was twisted, 2 ft long and 2 ½ inches wide. Two pieces of tubing, one twisted tight, 3 ft long and showed tubing threads on one end and the other was 1 ft long and 2 inches wide. We also recovered Reda Cable, approx ½ gal in various pieces. RIH w/notched collar, 2 XO's, Jars, XO, 10 DC's, CO, Accelerator, XO & 6 jts tubing. Tagged @ 494. RU swivel and wash past 494 w/no problems with 1 -2 pts of weight to 519 getting red bed in our returns. PU to 486 to wash back down and tagged @ 494 two or three pts of weight while rotating with no weight loss. PU and went past 494 with 1 -2 pts of weight to 528 ft. POOH & LD notched collar and PU lead block (re-run) and RIH with same assy. RU swivel on jt 6 & tag 6.8 ft in @ 495 ft. LD 2 jts & POOH. Block showed indention from edge of block 1 ½ inches toward center and about ½ wide. RIH with 2 XO's, Jars, XO 10 DC's XO, Accelerator, XO & 2 jts tubing to 390 ft.

03/21/13 RIH with over socket dressed to catch 2 3/8 2 XO's, Jars, XO, 10-3 1/8 DC's, XO. Accelerator, XO & PU jt 6 on swivel. Tagged @ 495 w/ over socket every time while rotating tubing in 1/6 rotation. Would bump swivel and fall off of casing. Worked down to 501 ft. and it acted like we were on outside of casing. We quit trying to get inside in order to POOH and look at over socket to determine if we were going outside of casing. We started mixing gel while waiting to see if wind would die down enough to POOH. Mixed 87 total sacks of Zeo Gel (74 vis/ 13.1 wt) Continued down and tagged @ 501. Worked here 2 hrs +/- and finally broke through. Went to 521 with no tag and no weight. Worked from 521 to 528 with torque and 2 pts weight. Stalled out and pulled 4 k over to pull free. Red bed in returns and a palm full of armor on magnet. CHC LD 5 jts to 394.

03/22/13 TOH with 4 jts, X/O, accelerator, X/O, 10 DC's, X/O, jars with crossovers and over socket. We did not have to fish. ID had markings about 1" wide all the way around like we were on armor cable. OD LIP of over socket had noticeable markings on it like possibly we may have been outside casing. PU concave mill. Took weight @ 486. Red beds came in overnight. PU jts 6 on swivel. Broke circulation and wash red bed from 486. Tagged at 495 and past thru. Did not tag @ 501 like we did with over socket. Continued washing red bed to 510 & lost circulation. PU to 488 to regain returns. Washed back down and tagged @ 522. Started with 1 pt and worked up to 4 pts weight. Getting small amount of metal cuttings starting @ 522. Milled down to 534. We had a few pieces of armor and no metal cuttings on margnet. We had a considerable increase in red bed returns. Circulating pressure around 750 – psi. PU jt to next connection break. CHC

03/23/13 TOH with 4 jts , X/O, Accelerator, X/O, 10 DC's, X/O, Jars with crossovers and concave mill. Bottom of concave mill did not show signs of being on metal. There was a little beveling on outer edge of mill like we may have been outside casing. RIH with 2 3/8 Bent Mule Shoe Sub 2 XO's jars XO, 10 DC's and , XO. Accelerator XO & 6 jts . Tagged @ 495 but kept slipping off when rotating. POOH we had a bent sub built with 1 ½ inches more bend and could not get it through BOP. PU 1 bent joint of 2 3/8 tubing above bent mule shoe sub. RIH with same assy and 5 jts. Tagged @ 495 and tried to work in but kept slipping off. Washed down to 505 and could not go deeper. PU and tried to work into stub but could not set down. Just kept slipping by it. LD 5 jst and Shut in.

03/25/13 TOH with mule shoe. Pump down surface casing valve. Held 300 psi with no leak off. RIH with 3 7/8 SOD. Concave mill (re-run), Bit sub, 3 7/8 stabilizer, XO Jars, 2 DC's, 3 7/8 Stabilizer, 8 DC's, XO, Accelerator, XO & tag with 5 jts @ 490. RU swivel and time drill from 493.5 to 496.5 @ ½ inches per 5 minutes. There were some pieces of armor in returns and 3 small metal shavings. CHC.

03/26/13 RIH with 2 7/8 Notched collar, CO 16 jts 2 7/8 CS Hyd. XO . Tagged @ 489. RU and wash to 501. CHC. RU and run camera. Hard to make out video. Possible outside casing around 497?. Pumped 170 bbls FW into formation with 400 to 500 psi from 1 to 2 bbls/min. Red beds coming in.

03/27/13 We Changed pipe rams to 2 3/8. Test to 500 psi, OK, RIH w 2 3/8 Notched collar. XO & tag @ 218 with 4 ft out on jt 7. RU swivel and wash to 505 ft. CHC. LD 2 jts & POOH, RIH with 3 7/8 over socket. Bent joint J-55 tubing, XO & RU. Swivel on jt 15. Tagged fill @ 490 and washed to 496. PU and start working over socket from 492 to 498. Felt chatter going down and coming up whichever direction I turned the tubing. Tagged once @ 493.64 and rotated approx. 1 minute with 3 pts on tool and torque went from 500 to 800-900 ft/lbs and then fell off. Slacked off with chatter to 495. Had 2 pts weight and lost it when we started rotating swivel. Worked pipe some more and tagged @ 495 with 2 pts but lost it when we started rotating swivel. Could not tag after that time. Could feel slight chatter going down but was smooth coming up. LD 7 jts and POOH, Tip of cut lip was shiny on inside bevel but there was no indication of anything being inside of guide of body over socket. RIH w 8 jts to 251.

03/28/13 RIH with 3 7/8 over socket, 1 joint 2 3/8 EUE N-80, 1 bent joint 2 3/8 J-55, XO & RU. Swivel on joint 14. Tagged fill @ 490 and washed to 505. Started working pipe from 475 to 508 by rotating and by turning pipe by small fractions. Tagged @ 496, 497 & 498. Fell off when trying to rotate tubing. Washed to 534 and PU and worked tubing from 486 to 498 with no tag. We had no armor or insulation in returns only red bed. POOH & LD tools RIH with 10 jts to 315.

03/29/13 RU Baker Atlas ran CBL from 470 to surface. TIH with 4.5" RBP on 11 jts, set @ 351. Circulated hole clean with 10# brine dumped 12' of sand on top of RBP,. Top of sand @ 339. TOH with 11 jts 2 3/8" layed down disconnected 3" line from wellhead .

04/02/13 Nippled down, BOP, Nippled up WH, RDMO.



Casing, Liner and Cement

Well Name CENTRAL VACUUM UNIT 132		Lease Central Vacuum Unit		Field Name Vacuum		Business Unit Mid-Continent	
Ground Elevation (ft) 3,980.00		Original RKB Elevation (ft) 3,989.00		Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)
Current KB to Ground (ft)		Current KB to Mud Line (ft)		Current KB to Csg Flange (ft)		Current KB to Tubing Head (ft)	
Job Category Abandon	Primary Job Type Plug - Permanent	Primary Wellbore Affected Original Hole	Directional Type Vertical	Wellbore UWI 300252380100	Wellbore ChevNo FG8654-00		

Land - Original Hole, 3/12/2013 5:15:00 PM									
Casing									
MD (ftKB)	Casing Description Production Casing			Run Date	Set Depth (MD) (ftKB) 4,750			Set Depth (TVD) (ftKB)	
	Length (ft) 4,741.00			Stick Up (ftKB) -9.0	Wellbore Original Hole				
	Centralizers			Scratchers					
	Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top Depth (MD) (ftKB)	Botm Depth (MD) (ftKB)
		Casing Joint	4 1/2	4.00	11.60	L-80	4,741.00	9	4,750
	Mud Properties Prior to Cementing								
	Weight: <Fluid Density?> Type: <Mud/Brine Type?>								
	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lb/100ft ²)		Gel 10 sec (lb/100ft ²)		Gel 10 min (lb/100ft ²)		
	HTHP Filtrate (cc/30min)	Solids (%)	Retort NAF (%)		Sand by Volume (%)		pH		
	Calcium (mg/L)	Chlorides (mg/L)	Electric Stability (V)		Excess Lime (lb/bbl)		Pm (mL/mL)		
	Cement: Cement Squeeze								
	Cementing Start Date 3/12/2013 08:41	Cementing End Date 3/12/2013 17:15		Vendor			Wellbore Original Hole		
	Evaluation Method		Cement Evaluation Results RED BEDS WERE DIMINISHED BY 90%+.						
	Comment TEST LINE TO 1500 PSI. ESTABLISH INJ RATE W/ 20 BBLs OF 10# BW @ 1.64 BPM AND 200 PSI (GOT RATE UP TO 2 BPM AND PSI RANGED FROM 375 TO 490). PUMP 5 BBLs OF FW SPACER. PUMP 20 BBLs OF SODIUM SILICATE @ 2 BPM AND 490 PSI. PUMP 5 BBLs OF FW SPACER TO GET AN INJ RATE @ 2 BPM AND 490 PSI. MIX CLASS C CMT AND BEGIN TO PUMP. PUMP 400 SKS (200 SKS OF CLASS C W/ 2% CACL & .7% HALAD 322, 100 SKS OF CLASS C W/ 1% CACL AND .7% HALAD 322, 100 SKS OF CLASS C W/ .7% HALAD 322) @ 2 BPM AND 490 PSI. AFTER ABOUT 30 BBLs HAD BEEN PUMPED, THE PRESSURE BEGAN TO SPIKE UP AND DOWN, IT WAS FLUCTUATING FROM ABOUT 190 ALL THE WAY UP TO 700 PSI, THE RATE WAS LOWERED TO 1 BPM, BUT THE FLUCTUATION STILL OCCURRED. TREATER SAID HIS PUMP WAS FINE, BUT COULD NOT COMPREHEND WHY THE PRESSURE WAS FLUCTUATING (MOST PROBABLY THE PUMP WAS MISSING AND THERE WAS A ROCK IN HIS PUMP OR SOME OTHER FOREIGN OBJECT). CONTINUE TO PUMP REST OF THE JOB @ 1 BPM AND PSI FLUCTUATING. SHUT IN WELL PSI @ 334. WASH UP LINES, PSI AFTER WAS UP @ 238. DISPLACE TBG VOLUME @ .5 BPM AND 420 PSI W/ 1.21 BBLs + .25 BBLs MORE. SHUT IN TBG PRESSURE @ 440 PSI. TOTAL VOLUME PUMPED 144 BBLs. RD CMT EQUIPMENT. LEAVE GATE VALVE ON TBG, INSTALL BULL PLUG W/ NEEDLE VALVE AND PSI GAUGE. OPEN UP AND TBG HAD 360 PSI (80 PSI DROP IN ABOUT 30 MIN DURING RD).								
	Cement Stage: <Stage Number?>								
	Top Depth (ftKB) 339.0	Bottom Depth (ftKB) 491.0	Top Plug? N	Bottom Plug? N	Full Return? N	Vol Cement Re...			
	Initial Pump Rate (bbl/min) 2	Final Pump Rate (bbl/min) 1	Avg Pump Rate (bbl/min) 2	Final Pump Pressure (psi) 440.0	Plug Bump Pressure (psi)				
	Pipe Reciprocated? N	Reciprocation Rate (spm)	Stroke (ft)	Pipe Rotated? N	Pipe RPM (rpm)				
	Depth Tagged (MD) (ftKB) 339	Tag Method Drill Bit	Depth Plug Drilled Out T... 491.0	Drill Out Diameter (in) 3 7/8	Drill Out Date 3/13/2013				
	<Fluid Type?>								
	Fluid Type	Quantity (sacks)	Class	Volume Pumped (bbl)		Zero Gel Time (lb/100ft ²)			
	Density (lb/gal)	Yield (ft ³ /sack)		Fluid Mix Ratio (gal/sack)		Free Water (%)			
	Thickening Time (hr)	Fluid Loss (mL/30min)		1st Compressive Strength (psi)		1st Comp Strength Time (hr)			
	Fluid Description								
	Comment								
	Cement Fluid Additives								
	Additive	Type			Concentration				