Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S First St, Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd, Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St Francis Dr, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

HOBBS OCD
JUL 13 2012
RECEIVED

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

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-06844	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
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)	7. Lease Name or Unit Agreement Name EUNICE KING
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	8. Well Number 8
2. Name of Operator CHEVRON U.S.A. INC.	9. OGRID Number 4323
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	10. Pool name or Wildcat PENROSE; SKELLY GRAYBURG
4. Well Location Unit Letter H : 1980 feet from the NORTH line and 660 feet from the EAST line Section 28 Township 21-S Range 37-E NMPM County LEA	
[redacted]	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* [redacted]

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: CLEAN OUT & ACIDIZE		OTHER:	

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.

CHEVRON U.S.A. INC. INTENDS TO CLEAN OUT AND ACIDIZE THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, & C-144 INFORMATION.

Spud Date: Rig Release Date:

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

SIGNATURE Denise Pinkerton TITLE REGULATORY SPECIALIST DATE: 07-11-2012

Type or print name DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375

For State Use Only

APPROVED BY: [signature] TITLE Dist Mgr DATE 7-16-201

Conditions of Approval (if any):

JUL 16 2012

Eunice King #8 **6.26.2012**
Penrose Skelly- Grayburg
T21S, R37E, Section 28
N 32° 27' 6.12", W -103° 9' 40.572" (NAD27)
Job: Clean out, N_2 Acidize

Procedure:

This procedure is meant to be followed. It is up to the WSM, Remedial Engineer and Production Engineer to make the decisions necessary to do SAFELY what is best for the well. In the extent that this procedure does not reflect actual operations, please contact RE, PE and Superintendent for possible MOC.

1. Ensure location is in appropriate conditions, anchors have been tested within the last 24 months, power line distance has been verified to determine if variance is needed and the right tools are scheduled for the energized job.

2. Verify that well does not have pressure or flow. If well has pressure, note tubing and casing pressures on Wellview report. Bleed down well; if necessary, kill with cut brine fluid (8.6 ppg) *Well has low bottom hole pressure so try to minimize amount of fluid pumped into well.*

   - **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

3. MI & RU workover unit.

4. Unseat pump, POOH with rods and pump. Examine rods for wear/pitting/paraffin and capture any samples for analysis. Do not hot water unless necessary. ND wellhead, unset TAC, NU BOP. POOH and LD 1 jt, PU 7" packer and set ~ @ 25', test BOP pipe rams to 250 psi/500 psi. Note testing pressures on WellView report. Release and LD packer.

5. POOH while scanning 2-7/8" prod tubing (TAC 3,592', EOT 4,061', PBTD 4,965'). LD TAC and 2-7/8" tbg, remove all non-yellow band tbg.

   Note: Strap pipe out of the hole to verify depths and note them on Wellview report.
   Send scan log report to lgbi@chevron.com .

   - **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

6. PU and RIH 6-1/8" MT bit, 3-1/2" drill collars on 2-7/8" L-80 WS hydrotesting to 6000 psi to match maximum pressure. Tag and record fill depth. RU power swivel and clean out to 4,200'. POOH with 2-7/8" WS and bit. LD bit & BHA.

   Note: If circulation is not expected, notify Remedial Engineer to discuss CO with bailer (continue to step 7) or foam/air unit (continue to supplemental procedure on back).

7. PU and RIH with 6-1/8" MT and Bulldog bailer on 2-7/8" 6.5# L-80 WS. Tag and record fill depth. Clean out to 4,200'. POOH and LD bit & BHA.

   - **Expect trapped pressure inside tubing while breaking connections during bailing operations, discuss on JSA and mitigate hazard. Use mudbucket (remove bottom seals if applicable) while breaking connections.**

8. POOH. LD bit & BHA.

9. PU and RIH with 7" treating packer on 2-7/8" 6.5# L-80 WS. Set packer ~ 3,640'. Load and test backside to 500 psi.

10. Prep location for N2 Acid Treatment. RU 2 open tanks (equipped with gas buster) and set them on opposite sides of the prevailing wind on location if possible. This is to ensure the flow is directed downwind at all times. Steel lines are to be secured with safety restraints as shown on **Image A**. If Service Company lacks safety restrains contact Guardian for rental. NU TIW valve rated for 10,000 psi **(newly-tested and functioned).** Have flowback crew and choke manifold ready for flowback stage. Ensure all flowback equipment has current inspection and is properly secure.

11. Pressure up and maintain 300 psi on backside throughout acid job, monitor it and bleed down as necessary. If leak is detected go to flush and take necessary steps to correct.

12. MI & RU Service Company (Schlumberger, Halliburton or Baker). **Test lines to 6,000 psi**. Treat perfs from 3,663' to 3,918' per schedule on Table A.

    Maximum treating pressure at surface is 5,000 psi. Set pop-off to less than 5,000 psi.

13. Pump 3 bbls of Brine water ahead @ 2 BPM. **Set maximum rate @ 5 BPM.**

    Acidize following Table A below

    Note: Please refer to the attached N2 Acid Job Procedure for full details.

Table A. Treatment Schedule (Schlumberger example)

PUMPING SCHEDULE

STAGE 1

Step Name	Pump Rate bbl/min	Fluid Name	Step volume gal	Proppant	Prop. Conc. PPA
Circulate	5 0	Brine (2% KCl)	100		0 0
Acid	5 0	15% HCl (50% Q N2)	800		0.0
Acid	5 0	15% HCl (75% Q N2)	1,900		0 0
Acid	5 0	15% HCl (50% Q N2)	800		0 0
Acid	5 0	15% HCl (75% Q N2)	1,800		0 0
Acid	5 0	15% HCl (50% Q N2)	800		0 0
Acid	5 0	15% HCl (75% Q N2)	1,900		0 0
Acid	5 0	15% HCl (50% Q N2)	800		0.0
Spacer	5 0	Brine (2% KCl)	200		0 0

Stage Descriptions / Flush Volumes

Stage Description	Fluid Name	Fluid volume gal	Stage Time min
Stage 1 (Perf MD = 3650.00 - 3900.00 ft)	Nitrogen Flush	924	4 4

Fluid Totals	
15% HCl (50% Q N2)	3,200 gal
15% HCl (75% Q N2)	5,600 gal
Brine (2% KCl)	300 gal

Proppant Totals

****If other service company is used refer to their attached pump schedule*

Pump a total of 8,800 gals (209 barrels) of anti-sludge **15% HCl foamed acid*** per attached procedure.

14. Displace acid to bottom perf (4,200') with 100% Nitrogen as indicated on last stage.

15. RDMO. Shut in well for 4 hrs for the acid to spend. Monitor casing pressure to keep it below 300 psi. Bleed off excess pressure if necessary.

    Note: Acid job MUST start in the morning. If acid job is deferred, contact Remedial Engineering to discuss postponing job until the following day.

16. Flow well back to open tank. **If necessary, discuss flowing the well 24 hours a day as long as all the safety precautions are in place. Ensure light towers and a 2-man flowback crew are in place.**

17. Flowback well dead (may take 1 or 2 days), **Notify Derek Nash @ 432-687-7506 before pumping any kill fluid.**

    - **Ensure all personnel on location are aware of N2/H2S release and proper hazard mitigation and discussion is in place. Gas is to be vented downwind to either open tank at all times during flowback.**

    - **Consider a safety trailer and 4-way monitor system to monitor well flowback.**

18. Release packer, POOH and LD packer.

19. PU and RIH with 6-1/8" MT bit on 2-7/8" L-80 WS tag for fill. If fill entry was indentified @ 4,200' or above, clean-out to (4,200").

20. POOH & LD 2-7/8" WS and BHA.

21. RIH with 2-7/8" production tubing hydrotesting to 5,000 psi. **Set TAC per ALCR recommendation and record it on WellView.**

22. ND BOP. NU WH. **RIH with rods and pump per ALCR and record how much the pump was spaced-out on WellView.** Hang well on.

23. RD and release workover unit. Turn well over to production (contacts on back). Clean location.

FOAM / AIR CLEANOUT PROCEDURE

- This procedure is an addition to the original procedure.

1. Install flowback manifold with two chokes. All components on flowback manifold must be rated to at least 5,000 psi. If possible, flowback manifold components should be hydrotested before delivery. Hardline pipes from 2" casing valve to manifold to half pit with gas buster.
2. Install flowback tank downwind from rig.
3. Position Air unit upwind from Rig next to water tanks. Have vacuum truck on standby to empty halfpit. (if needed)
4. RIH w/ 6-1/8" MT bit, bit sub (with dart-type float), 4 (3-1/2") drill collars on 2-7/8" 6.5# L-80 WS.
5. NU stripper head with **NO Outlets** (Check stripper cap for thread type - course threads preferred). **Stripper head to be stump tested to 1,000 psi before being delivered to rig**. Check chart or test at rig.
6. RU foam air unit. Make quality foam on surface before going down hole with foam/air. Install flapper float at surface before beginning to pump. Break circulation with foam/air. Evacuate fluid from well.

Pump high quality foam at all times. Do not pump dry air at any time. Fluid injection rates will generally be above 12 gallons per minute

Whenever there is pressure on the stripper head, have a dedicated person continuously monitor pressure at choke manifold and have a dedicated person at accumulator ready to close annular BOP in case stripper leaks. Do not allow pressure on stripper head to exceed 500 psi. If pressure cannot be controlled below 500 psi, stop pumping, close BOP and bleed off pressure.

7. Clean out fill to PBTD (4,200') with low RPM's rotation and circulation, always keep pipe moving. Short trips can be beneficial to hole cleaning. Circulate well clean for at least 1 hour at the end of the day.
8. When tripping out of hole, have special float bleed off tool available to relieve trapped pressure below float.

Ensure that high quality, stiff foam is pumped while circulating the fill. Stiff foam is required to prevent segregation while circulating. Monitor flow and pressures carefully when cleaning out.

Before rigging up power swivel to rotate, carefully inspect Kelly hose to ensure that it is in good condition. Ensure that swivel packing is in good condition.

Continue to step 8.

Well **Eunice King # 8** Field **Penrose Skelly** Reservoir **Grayburg**

Location:
1980' FNL & 660' FEL
Section 28
Township 21S
Range 37E
County Lea State NM
N 32° 27' 6 12", W -103° 9' 40 572"
(NAD27)

Elevations:
GL 3435'
KB 3446'
DF 3445'

Current Wellbore Diagram

Well ID Info:
Chevno FA7941
API No 30-025-06844
L5/L6 U491600
Spud Date 1/1/48
Compl Date 2/26/48

Surf. Csg: 13 3/8", 48#, H-40
Set. @ 300' w/ 300 sks
Hole Size: 17 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Interm. Csg: 9 5/8", 36#, H-40
Set: @ 2850' w/ 1300 sks
Hole Size: 12 1/4"
Circ: No **TOC:** 530'
TOC By: Temperature Survey

TAC @ 3605 38

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	11 00
114	Jts 2 7/8" EUE 8R J-55 Tbg	3581 03
1	TAC	2 35
12	Jts 2 7/8" EUE 8R J-55 Tbg	376 57
1	Jt 2 7/8" EUE 8R J-55 IPC Tbg	31 35
1	SN	1 10
1	2 7/8" x 4' Tbg Sub	4 10
1	Cavins Desander	20 25
1	Jts 2 7/8" EUE 8R J-55 Tbg	31 82
1	Dump Valve	1 00
133	**Bottom Of String >>**	**4060 57**

Rod Detail:

#Jts:	Size:	Footage
Quantity	Name of Component	Length
1	1 500 (1 1/2 in) Spray Metal x 22	22 00
1	1 000 (1 in) N-78 (D) x 6 Rod Sub	6 00
61	1 000 (1 in) N-78 (D) x 25 Rod	1525 00
82	0 875 (7/8 in) N-78 (D) x 25 Rod	2050 00
1	No-Tap Tool	1 00
16	1 500 (1 1/2 in) K x 25 Sinker Bar	400 00
1	NON-SERIALIZED) - 25-200-RHB(	16 00
1	Strainer Nipple 1.250 OD x	0.5
164	**Bottom Of String >>**	**4020.50**

CIBP @ 5450'
(35' cmt on top)

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

CIBP @ 6000'
(35' cmt on top)

CIBP @ 6455'
(11' cmt on top)

COTD: 4965'
PBTD: 6444'
TD: 6627'

Updated. 4/6/12

Perfs:	**Status**
3663-65'	Grayburg - Open
3670-74'	Grayburg - Open
3677-80'	Grayburg - Open
3688-93'	Grayburg - Open
3700-06'	Grayburg - Open
3718-22'	Grayburg - Open
3735-41'	Grayburg - Open
3765-71'	Grayburg - Open
3777-79'	Grayburg - Open
3786-88'	Grayburg - Open
3804-10'	Grayburg - Open
3818-20'	Grayburg - Open
3824-26'	Grayburg - Open
3837-39'	Grayburg - Open
3844-46'	Grayburg - Open
3851-55'	Grayburg - Open
3862-68'	Grayburg - Open
3886-94'	Grayburg - Open
3898-3902'	Grayburg - Open
3908-18'	Grayburg - Open
CIBP @ 5000'	
(35' cmt on top)	
5057-59'	Paddock - Cmt Sqzd
5064-66'	Paddock - Cmt Sqzd
5070-72'	Paddock - Cmt Sqzd
5094-96'	Paddock - Cmt Sqzd
5104-06'	Paddock - Cmt Sqzd
5119-21'	Paddock - Cmt Sqzd
5142-44'	Paddock - Cmt Sqzd
5162-64'	Paddock - Cmt Sqzd
5172-74'	Paddock - Cmt Sqzd
5186-88'	Paddock - Cmt Sqzd
5203-05'	Paddock - Cmt Sqzd
5234-36'	Paddock - Cmt Sqzd
5246-48'	Paddock - Cmt Sqzd
5256-58'	Paddock - Cmt Sqzd

5508'	5626'	Blinebry - Open
5517'	5633'	Blinebry - Open
5526'	5638'	Blinebry - Open
5534'	5643'	Blinebry - Open
5546'	5654'	Blinebry - Open
5553'	5660'	Blinebry - Open
5558'	5672'	Blinebry - Open
5564'	5680'	Blinebry - Open
5573'	5685'	Blinebry - Open
5590'	5694'	Blinebry - Open
5599'	5700'	Blinebry - Open
5612'	5708'	Blinebry - Open
5621'	5712'	Blinebry - Open

5766-68'	Blinebry - Open
5788-90'	Blinebry - Open
5834-36'	Blinebry - Open
5874-76'	Blinebry - Open
5904-06'	Blinebry - Open

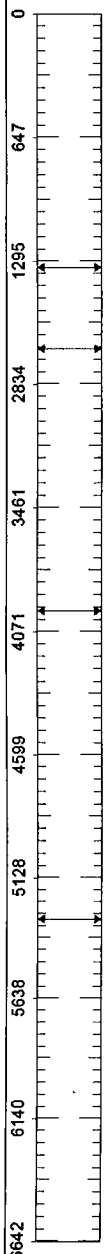
6020-22'	Tubb - Open
6063-65'	Tubb - Open
6080-82'	Tubb - Open
6102-04'	Tubb - Open
6116-18'	Tubb - Open
6142-44'	Tubb - Open
6183-85'	Tubb - Open
6210-12'	Tubb - Open
6254-56'	Tubb - Open

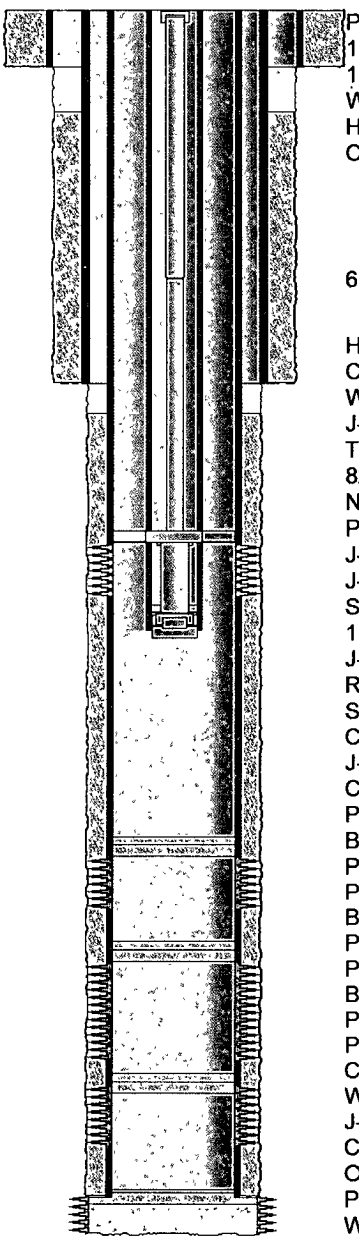
Prod. Csg: 7", 23#, J-55
Set: @ 6470' w/ 700 sks
Hole Size: 8 3/4"
Circ: No **TOC** 3001'
TOC By: Temperature Survey

OH 6470-6627' Drinkard - Below CIBP

Chevron U.S.A. Inc. Wellbore Diagram : KINGEUN 08G

Lease: OEU EUNICE FMT	**Well No.:** KING EUNICE 8 G	**Field:** FLD-PENROSE SKELLY	
Location: 1980FNL660FEL	**Sec.:** N/A	**Blk:**	**Survey:** N/A
County: Lea **St.:** New Mexico	**Refno:** FA7941	**API:** 3002506844	**Cost Center:** UCU491600
Section: 28	**Township:** 021 S		**Range:** 037 E
Current Status: ACTIVE		**Dead Man Anchors Test Date:** NONE	
Directions:			





Producing Interval 04 PS @(0-0)
1.500 (1 1/2 in.) Spray Metal x 22 - Spray M...
1.000 (1 in.) N-78 (D) x 6 Rod Sub @(22-28)
Wellbore Hole OD-17.2500 - N/A @(0-300)
H-40 13.375 OD/ 48.00# Round Short 12.71...
Cement @(0-300)

61 - 1.000 (1 in.) N-78 (D) x 25 Rod @(28-1 .

H-40 9.625 OD/ 36.00# Round Short 8 921 .
Cement @(530-2850)
Wellbore Hole OD-12.2500 @(300-2850)
J-55 2.875 OD/ 6.50# T&C External Upset ...
Tubing Anchor/Catcher 2.875" @(3592-3594)
82 - 0.875 (7/8 in.) N-78 (D) x 25 Rod @(15 ..
No-Tap Tool @(3603)
Perforations - Grayburg Open @(3663-3918)
J-55 2.875 OD/ 6.50# T&C External Upset . .
J-55 2.875 OD/ 6.50# T&C External Upset ...
Seat Nipple - Stainless 304 (2.875") Cup T...
1.500 (1 1/2 in.) K x 25 Sinker Bar @(3604-...
J-55 2.875 OD/ 6.50# T&C External Upset ...
Rod Pump (Insert) (NON-SERIALIZED) - 25...
Strainer Nipple 1.250 OD x 0.5' @(4020)
Cavins Desander (Sand Separator) 2 7/8 @ .
J-55 2.875 OD/ 6.50# T&C External Upset ...
Cavins Dump Valve (for use w/Desander) 2....
Plug Back 35' CMT @(4965-5000)
Bridge Plug Cast Iron 7.000" W/35' CMT O...
Perforations: Paddock-CMT SQZD @(5057-...
Plug Back 35' CMT @(5415-5450)
Bridge Plug Cast Iron 7.000" W/35' CMT O...
Perforations: Blinebry-Open @(5508-5906)
Plug Back 35' CMT @(5965-6000)
Bridge Plug Cast Iron 7.000" W/35' CMT O. .
Perforations: Tubb-Open @(6020-6256)
Plug Back 35' CMT @(6444-6455)
Cast Iron Bridge Plug W/11' CMT ON TOP ...
Wellbore Hole OD- 8.7500 - N/A @(2850-64...
J-55 7.000 OD/ 23.00# Round Short 6.366 ...
Cement @(3001-6470)
Open Hole - Drinkard Open below CIBP @(...
Plug Back Total Depth @(6627-6627)
Wellbore Hole OD- 8.7500 @(6470-6627)

Ground Elevation (MSL):: 3435.00	**Spud Date:** 01/01/1970	**Compl. Date:** 01/01/1970
Well Depth Datum:: CSI0000N	**Elevation (MSL)::** 0.00	**Correction Factor:** 0.00
Last Updated by: fttr	**Date:** 02/17/2008	