

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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

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

WELL API NO. 30-015-26285
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name South Culebra Bluff 23
8. Well Number: 4
9. OGRID Number 4323
10. Pool name or Wildcat Loving, Brushy Canyon, East

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 USA, Inc.

3. Address of Operator
6301 Deauville Blvd., Midland, TX 79706

4. Well Location
Unit Letter E : 1890 feet from the NORTH line and 894 feet from the WEST line
Section 23 Township 23S Range 28E, NMPM, County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3032' GL

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 checked="" 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"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 5/8" 24# @ 554': TOC @ surface; 5 1/2" 15.5# @ 6305': TOC @ Uncertain

Chevron USA INC respectfully requests to abandon this well as follows:

Notify OCD 24 hrs. prior to any work done.

1. MIRU, pull rods, N/U BOPE, pull tubing
2. Set CIBP @ 5950' w/ wireline, fill well with fresh water while TIH w/ tubing, pressure test casing to 500 psi for 10 minutes, run CBL and communicate results with NMOC and CVX engineer. TIH w/ tubing and spot MLF if casing passed pressure test.
3. Spot 25 sx CL C cement f/ 5950' t/ 5723' (Perfs). If pressure test in Step 2 failed, WOC, tag, & pressure test. If pressure test in Step 2 passed, do not WOC & tag. If MLF not previously spotted, spot MLF.
4. Spot 55 sx CL C cement f/ 5000' t/ 4500' (Brushy Canyon)
5. Spot 25 sx CL C cement f/ 3550' t/ 3323' (DV Tool)
6. Spot 40 sx or perf & squeeze 125 sx - depending on CBL results - CL C cement f/ 2650' t/ 2290' (Delaware, B. Salt). WOC, tag, pressure test if perf & squeeze
7. Spot 70 sx or perf & squeeze 210 sx - depending on CBL results - CL C cement f/ 610' t/ surface (T. Salt, Shoe, Fresh Water)
8. Verify top of cement at surface on all casing strings

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

* See Attached CDA's 3/20/2019
X Nick Glann

Must be Plugged by 3/22/20

Nick Glann
P&A Engineer/Project Manager

SIGNATURE Signed by: Nick Glann

E-mail address: nglann@chevron.com PHONE: 432-687-7786

For State Use Only

APPROVED BY: [Signature] TITLE Staff Mgr DATE 3/22/19
Conditions of Approval (if any):

ENTERED
By 3-22-19

SCB #23-4
Loving East - 30-015-26285
Eddy County, New Mexico
Unit E; Sec 23; T23S R28E; 1890 FNL & 894 FWL
 CURRENT COMPLETION - Updated by RJD 3/10/2019

KB: 3047'
 GL: 3032'

TOC @ Surf
 (Cmt w/ 400 sxs
 Class 'C'. Circ
 55 sxs.)
 8 5/8" csg @ 554'
 12-1/4" hole

DV Tool @ 3500'

NOTE: tight spot across
 DV Tool reported

This wellbore diagram is based on most recent information regarding wellbore configuration & equipment that could be found in Midland Office well files & computer / online databases as of last update.

Formation Tops	
T. Salt	560
B. Salt	2390
Delaware	2600
Bone Springs	6225

TOC @ surf (per Range WBD)

Stage 1 (cmt w/ 800 sxs)
 Stage 2 (cmt w/ 1200 sxs)
 5 1/2" csg @ 6305'
 7-7/8" hole

CASING PROGRAM

Depth	Size	Weight	Grade
554'	8 5/8"	24#	K-55
6305'	5 1/2"	15.5#	J-55

TUBING & ROD DETAIL

From March 10 & 11, 2011 Well Service Reports

Details
Purpose of Work: No pump action Rig crew and pump trk to loc. BWD, NDWH and NUBOP. TOH w/ 32jts of 2-7/8" tbg. RU swab, swab tbg down csg. TOH w/ 167jts of 2-7/8" tbg. TIH w/ MH. SN. 8jts of tbg. TAC and 191jts of tbg. NDBOP and NUWH. MIRU hot oiler, pumped 70bbbls of oil down tbg. RDMO hot oiler. Secured well and left open to sales. SDON
Details
Purpose of Work: No pump action Rig crew and pump trk to loc. BWD, RIH w/ 1.25" pump, 163-3/4" rods, 86-7/8" rods and 2-2'-7/8" rod subs. Hang on well and load tbg w/ 30bbbls of 2% KCL. Held 500psi, bleed down pressure and turn on PJ. Good pump action. RDMO PU and pump trk.

Brushy Canyon
 6001' - 6009' (48 holes)

NOTE: No record in NMOCD
 Frac'd in 2004 (per Range WBD)

Brushy Canyon
 6116' - 6144' (56 shots)

NOTE: No record in NMOCD
 Acidized 12/2009 (per Range WBD & reports)

Brushy Canyon (Original Perfs)
 6168' - 6178' (20 holes)
 6198' - 6218' (40 holes)

Frac'd in 1990
 Frac'd in 1990

Spudded 3/3/1990
 Completed 3/25/1990

PBTD = 6290'
 TD = 6305'

Note: This schematic is not to scale. For display purposes only.

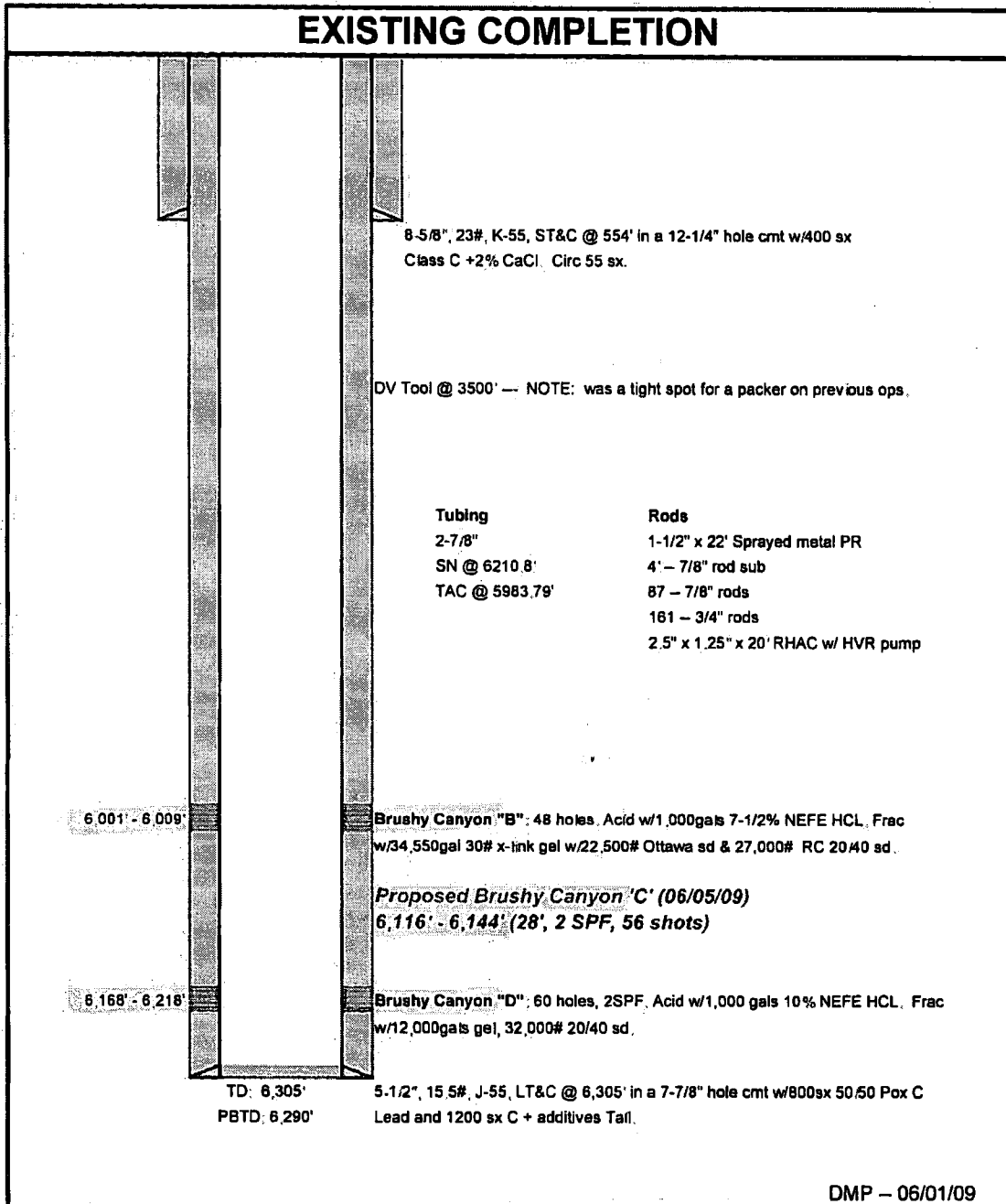
PROPOSED P&A

Note: This schematic is not to scale. For display purposes only.

RANGE RESOURCES

LEASE: <u>SCB</u>	WELL #: <u>23-4</u>	API#: <u>30-015-26285</u>
FIELD: <u>Loving East</u>	COUNTY: <u>Eddy</u>	STATE: <u>New Mexico</u>
LOCATION: <u>Sec 23, T23S, R28E</u>	LEGAL: _____	KB: <u>14.8' (Elev. 3,032')</u>

EXISTING COMPLETION





RANGE RESOURCES

Daily Completion and Workover

Well Name: SCB 23-04

Report # 3, Report Date: 12/10/2009

API/UVI 30-015-2628500	Property # 790012004	County Eddy	State/Province New Mexico	Area SWD-NBS
Well Configuration Type	Original KB Elevation (ft)	KB-Grnd Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Head Distance (ft)
				District 437 Loving

Event Description			Total Costs to Date	
Primary Job Type EXPENSE WORKOVER LOE/AFE	Secondary Job Type	Start Date 12/7/2009	Daily Cost Total 18,677	Cum Cost To Date 32,761

Current Activity	1st Production Date	Cost Description	Cost
Add Perfs		FRESH WATER/HAULING	800
AFE Number 0904510160	Total AFE + Sup Amount	MISCELLANEOUS	890
	Daily Cost Total 18,677	SUBSURFACE WELL SERVI...	1,500
	Cum Cost To Date 32,761	SUBSURFACE WELL SERVI...	3,500

Job Contacts		
Job Contact	Title	Mobile
Steve Almager	PS II	575-631-0926

Daily Time Log					
Start Time	End Time	Dur (hrs)	Code 1	Code 2	Code 3
06:00	22:00	16.00			

Purpose of Work: Add Brushy Canyon "C"

Perforations

Rig crew to loc. MIRU WLT, RIH w/ 4.65" gauge ring, CCL and gamma ray to PBTD-6262'. POOH w/ tools, RIH w/ 3-1/8" slick guns, set @ 2SPF, 60 Degree phased, w/ 0.35" entry hole and perforated as follows:

Brushy Canyon "C"

6116'-6144' 28' 56shots ALL FIRED

POOH w/ guns, RDMO WLT. TIH w/ 5-1/2" RBP w/ ball catcher, 5-1/2" packer, SN and tbg. Set RBP @ 6158', pulled off packer and set packer @ 6150'. MIRU Schlumberger acid crew to tbg. Tried to test RBP, RBP would not test. Unset Packer, retrieve RBP and Reset RBP @ 6164', pulled off RBP and set packer @ 6156'. Tested RBP, still would not hold. Unset Packer and pulled above top perfs. Set Packer and tested. Packer held good. Unset packer, retrieve RBP and reset RBP @ 6150'. Set packer @ 6142'. RBP still would not test. Unset packer, retrieved RBP and pulled tools above top perfs. Set RBP and set packer 5900'. Tested RBP to 3000psi, held good. Unset packer, retrieve RBP and TIH and tagged PBTD. PU, set RBP @ 6155' and set packer @ 6040'. RU acid crew to tbg, pump trk loaded backside and maintained 2-3BPM during job.

Begin acid job. Startd on 2% KCL down tbg to establish injection. Established injection. increased rate and began pumping acid. Pumped 500gals of 15% NEFE @ 6BPM. Spaced 80 ball sealers through 1800gals of NEFE acid, then pumped 500gals of 15% NEFE acid. Flushed acid down to 6144' w/ 2% KCL. Did not see much ball action, pumped job successfully. Well on vacuum at shut down.

ISIP-0
Max psi-865
Avg Rate-5.9

TLTR-327bbls
Total Acid-66bbls
TLR-0

CONDITIONS FOR PLUGGING AND ABANDONMENT

District II / Artesia N.M.

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, **Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If the well is not plugged within 1
7. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
8. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
9. Produced water **will not** be used during any part of the plugging operation.
10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
11. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
12. **Class 'C' cement will be used above 7500 feet.**
13. **Class 'H' cement will be used below 7500 feet.**
14. **A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged**
15. **All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing**

16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. **A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.**
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, **(WOC 4 hrs and tag).**
19. **No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.**
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
 - A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - I) Glorieta
 - J) Yates.
 - K) **Potash---** (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, **WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.**
21. **If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing**

DRY HOLE MARKER REQUIREMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)-----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)