

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
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
JUL 27 2017
RECEIVED

Form C-103
Revised July 18, 2013

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.)		WELL API NO. 30-015-33412
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator CHEVRON USA INC		6. State Oil & Gas Lease No.
3. Address of Operator 1616 W. BENDER BLVD HOBBS, NM 88240		7. Lease Name or Unit Agreement Name ESPERANZA 4
4. Well Location Unit Letter <u>N</u> : <u>660</u> feet from the <u>SOUTH</u> line and <u>1530</u> feet from the <u>WEST</u> line Section <u>04</u> Township <u>22S</u> Range <u>27E</u> NMPM County <u>EDDY</u>		8. Well Number #4
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3134' GL		9. OGRID Number 4323
		10. Pool name or Wildcat CARLSBAD;MORROW,SOUTH

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 ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Comp proposed completion or recompletion.

Chevron USA Inc requests to TA the above well with the following procedure:

MIRU pulling unit.
Pull tubing and BHA
Run back in hole with tubing and spot 2%KCL with corrosion inhibitor from current PBTD to surface.
POOH with tubing and lay down
RU wireline and set 5" CIBP at 11,457' (40' above top of Upper Morrow perfs)
Dump ball 35' of cement on top of CIBP
Pressure test to 550 PSI for 30 minutes after giving NMOCD rep 48 hr notice.

Please find attached wellbore diagrams.

TA status may be granted after a successful MIT test is performed.
Contact the OCD to schedule the test so it may be witnessed.

LAST PROD 2/1/2017

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 07/25/2017

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

For State Use Only

APPROVED BY: Richard Ince TITLE COMPLIANCE OFFICER DATE 7/28/17
Conditions of Approval (if any):

Esperanza 4-4

Location: 660' FSL & 1530' FWL, Eddy County NM

FIELD: Carlsbad South
LEASE/UNIT: OCA Carlsbad FMT
COUNTY: Eddy

API: 3001533412
ChevNo: HP7998

DATE CHKD: Jul. 25, 2017
BY: PUBJ
WELL: Esperanza 4-4
STATE: New Mexico

SPUD DATE: 6/17/2004
COMP. DATE: 10/15/04
CURRENT STATUS: SI

KB = 26'
Elevation = 3,134'
TD = 12,000
ETD = 11,740

13-3/8" 48# H-40 ST&C
Surf. csg set @ 460' w/
Leed 500 sx Cl.C + 2%
CaCl₂ @ 14.8 ppg & 1.34
yd. (full returns to
surface)

9-5/8" - 40# K-55 LT&C Inter. Csg. @ 5,310-
Cmt: Lead: 1000 sx 50/50 Poz/Cl. C + 10% gel + 0.25 pps
celloflake @ 11.9 ppg & 2.33 yd.
Tail: 300 sx Cl. C + 1% CaCl₂ @ 14.8 ppg & 1.34 yd.
(Temp Svy. indicated TOC @ 820'. Top out w/ 600 sx
Cl. C Neat @ 1.34 yd. thru 1" tbq; circ 15 sx to pit.)

TOC (CBL) @ 5,580'

DV Tool @ 8,498

Tubing Strings						
Tubing - Production set at 11,430.0ftKB on 10/15/2004 00:00						
Tubing Description	Run Date	Stop Length	Set Depth (MD) ft	Set Depth (MD) ft	Set Depth (MD) ft	Set Depth (MD) ft
Tubing-Production	10/15/2004	10,400.00	11,430.0	11,430.0	11,430.0	11,430.0
Item Des	Jls	OD (in)	WT (lbm)	Grade	Len (ft)	Blm (ft)
Tubing	355	2 7/8			11,337.00	11,413.0
On-Off Tool		2 7/8			1.00	11,414.0
Packer		2 7/8			3.00	11,417.0
Tubing Sub		2 7/8			8.00	11,425.0
Nipple		2 7/8			1.00	11,426.0
Tubing Sub		2 7/8			4.00	11,430.0

Upr. Morrow A Perfs @ 11410-430' (4 spf)
(sqzd w/ 200 sx cmt)
Upr. Morrow Perfs @ 11497-99', 11510-16' & 11520-24' (4 spf)
Mid. Morrow Perfs @ 11,613-20', 11,633-36' & 11,716-24' (4 spf)

CIBP @ 11,750' w/ 2 sx cmt.
L. Morrow Perfs @ 11,798-804' & 11,820-33' (4 spf)
PBTD @ 11,894'

5-1/2- 17 & 20# L-80 LT&C Csg. @ 11,974'
Cmt: Stage 1: 975 sx 50/50/2 Poz/Cl. H + 0.6% FL52 + 0.5%
CD32 + 0.3% SMS + 5% salt @ 14.4 ppg & 1.2 yd. Circ.
Stage 2 Lead: 525 sx 50/50/10 Poz/Cl. H + 0.5% FL52 +
0.2% R3 + 5 pps LCM-1 @ 11.9 ppg & 2.24 yd.
Stage 2 Tail: 100 sx Cl. H Neat @ 15.6 ppg & 1.18 yd.

TD 12,000'
PBTD 11,976'

Jul. 25, 2017



Current Wellbore Schematic

ESPERANZA OIL CONSERVATION
ARTESIA DISTRICT

Field: CARLSBAD SOUTH
County: EDDY
State: NEW MEXICO
Location: SEC 4-22S-27E, 660 FSO & 1530 FWL
Elevation: GL 3,134.00 KB 3,160.00
KB Height: 26.00

JUL 27 2017

RECEIVED

Spud Date: 6/17/2004
API #: 3001533412
CHK Property #: 819506
1st Prod Date:
PBTD: Original Hole - 11740.0
TD: 12,000.0

Well Config: - Original Hole, 5/2/2007 3:16:17 PM			Date	Event
ftKB (MD)	Schematic - Actual	Perforations		
26	OD:17 1/2, Top (MD):26, Btm (MD):460	Date Top (MD) Btm (MD)	8/22/2004	Acidz with 1500.0 gal of 7.5% NeFe, Acid. Interval: 11,798.0 ftKB - 11,833.0 ftKB. ISIP - 2,500.0 psi; PST - 680.0 psi; Max - 3,944.0 psi; Avg - 3,800.0 psi Acidization Min - <Min Treat Pressure?>
459	Des:Surface Casing Cement, Top (MD):26, Btm (MD):460		8/27/2004	Frac with 40000.0 gal of 70Q Binary Foam, Foam. Interval: 11,798.0 ftKB - 11,833.0 ftKB. ISIP - 4,610.0 psi; PST - 4,200.0 psi; Max - 6,118.0 psi; Avg - 5,800.0 psi. Total prop amt: Proppant Bulk Sand 40000 lb
460	Des:Surface, OD:13 3/8in, Wt.:48.00lbs/ft, Grd:H-40, Depth (MD):26-460 ftKB		9/8/2004	Acidz with 1500.0 gal of 7.5% NeFe, Acid. Interval: 11,613.0 ftKB - 11,724.0 ftKB. ISIP - 3,520.0 psi; PST - 1,065.0 psi; Max - 4,512.0 psi; Avg - 4,400.0 psi Acidization Min - <Min Treat Pressure?>
5,309	OD:12 1/4, Top (MD):460, Btm (MD):5,310		9/14/2004	Frac with 9591.0 gal of 40# X Link Gel, Gelled Acid. Interval: 11,613.0 ftKB - 11,724.0 ftKB. ISIP - <ISIP?>; PST - <Final Shut-in Pressure?>; Max - <Max Treat Pressure?>; Avg - <Avg Treat Pressure?>. Total prop amt: Proppant Bulk Sand 13809.25 lb
5,310	Des:Intermediate Casing Cement, Top (MD):26, Btm (MD):5,310		9/23/2004	Acidz with 1500.0 gal of 7.5% NeFe, Acid. Interval: 11,497.0 ftKB - 11,524.0 ftKB. ISIP - 3,430.0 psi; PST - 3,164.0 psi; Max - 4,284.0 psi; Avg - 3,800.0 psi Acidization Min - <Min Treat Pressure?>
5,580	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB	On-Off Tool, 2 7/8, 11,414	9/30/2004	9/24/2004
5,580	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB	Packer, 2 7/8, 11,417		Frac with 9611.0 gal of 40# X Link Gel, Gelled Acid. Interval: 11,497.0 ftKB - 11,524.0 ftKB. ISIP - 5,711.0 psi; PST - 5,013.0 psi; Max - 6,900.0 psi; Avg - 6,600.0 psi. Total prop amt: Proppant Bulk Sand 37884 lb
8,497	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB	Tubing Sub, 2 7/8, 11,425		10/1/2004
8,498	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB	Nipple, 2 7/8, 11,426		Acidz with 1700.0 gal of 7.5% HCl, Acid. Interval: 11,410.0 ftKB - 11,430.0 ftKB. ISIP - 10.0 psi; PST - 0.0 psi; Max - 100.0 psi; Avg - 41.0 psi Acidization Min - <Min Treat Pressure?>
11,410	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB	Tubing Sub, 2 7/8, 11,430	9/22/2004	10/15/2004
11,410	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,410	Tubing - Production set at 11,430.0ftKB on 10/15/2004 00:00
11,413	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,410	
11,414	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,430	
11,417	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB			
11,425	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB			
11,426	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB			
11,430	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB			
11,497	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		9/22/2004	
11,499	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,497	
11,510	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,499	
11,516	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,510	
11,520	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,516	
11,524	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		9/22/2004	
11,524	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,520	
11,524	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,524	
11,613	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		9/4/2004	
11,620	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,613	
11,620	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,620	
11,633	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		9/4/2004	
11,636	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,633	
11,636	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,636	
11,716	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		9/4/2004	
11,724	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,716	
11,724	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,724	
11,740	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB			
11,750	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB			
11,752	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB			
11,798	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		8/20/2004	
11,804	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,798	
11,804	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,804	
11,820	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		8/20/2004	
11,833	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,820	
11,833	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB		11,833	
11,973	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB			
11,974	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB			
11,974	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB			
12,000	Des:Intermediate, OD:9 5/8in, Wt.:40.00lbs/ft, Grd:K-55, Depth (MD):26-5,310 ftKB			

Cement											
Start Date	String	Wellbore	Stg No.	Fluid	Amount (sacks)	C...	Yield (ft ³ /sack)	Density (lb/gal)	Top Meas Meth	Sacks Circ (ft ³ /sack)	Comment
6/18/2004	Surface, 460.0ftKB	Original Hole			500	C	1.34	14.80			2% CaCl2
6/30/2004	Intermediate, 5,310.0ftKB	Original Hole		Lead	1,000	C	2.33	11.90		15.00	50/50 POZ, 10% gel, .25 pps CF
6/30/2004	Intermediate, 5,310.0ftKB	Original Hole		Tail	300	C	1.34	14.80		15.00	1% CaCl2. TOC @ 820' Temp svy.
6/30/2004	Intermediate, 5,310.0ftKB	Original Hole		Tail	600	C	1.34			15.00	Neat thru 1" tbg.
8/2/2004	Production, 11,974.0ftKB	Original Hole	2	Lead	525	H	2.24	11.90	Cement Bond Log		50/50/10 POZ, .5% FL52, .2% R3, 5 pps LCM-1
8/2/2004	Production, 11,974.0ftKB	Original Hole	2	Tail	100	H	1.18	15.60	Cement Bond Log		Neat
9/30/2004	Production, 11,974.0ftKB	Original Hole			1						Cmt cap on CBP @ 11,475'.
9/22/2004	Production, 11,974.0ftKB	Original Hole									Cmt cap on CBP @ 11,560'.
9/4/2004	Production, 11,974.0ftKB	Original Hole			2						Cmt cap on CIBP @ 11,750'.
8/2/2004	Production, 11,974.0ftKB	Original Hole	1		975	H	1.20	14.40			50/50/2 POZ, .6% FL52, .5% CD32, .3% SMS, 5% salt