

3/24/2014 DATE IN	SUSPENSE	PRG ENGINEER	3/31/2014 LOGGED IN	IPI TYPE	PMAM 1409036127 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]

[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]

[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]

[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]

[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]

[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication

☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☒ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Cindy Herrera-Munillo

Print or Type Name

Cindy Herrera-Munillo
Signature

Permitting Specialist

Title

03/24/2014

Date

Cherreramunillo@chevron.com

e-mail Address

RECEIVED OGD
2014 MAR 29 A 2:12

well
-Skeen 2 SWD
#1
30-05-41744
Pool
-SWD, Delaware
96100

4323



Cindy Herrera-Murillo
Regulatory Specialist
Midcontinent BU

**Chevron North America
Exploration and Production
Company**
1616 W. Bender Blvd Rm # 121
Hobbs FMT, Hobbs, NM 88241
Tel 575-263-0431
Fax 575-391-6679
cherreramurillo@chevron.com

March 24, 2014

**New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505**

**Water Injection Pressure Increase Request
Injection Order SWD-1462
Skeen 2 SWD #1
API # 30-015-41744
UL M, Sec 2-26S-27E, 400' FSL & 1200' FWL
Eddy County**

Attn: Engineering Department:

Chevron U.S.A. Inc. has performed a step rate test on the Skeen 2 SWD #1. Skeen 2 SWD #1 well is located in Eddy County, New Mexico, Section 2, T-26S, R-27E, API# 30-015-41744. We would like to request our maximum injection pressure limit be raised based on the data included in this letter.

Please find attached the results of the step rate test and the wellbore diagram.

Any questions should be directed to Jonathan Wells, Production Engineer for Chevron at (432)687-7674.

Thank you in advance for consideration in this matter.

Sincerely,

A handwritten signature in black ink that reads "Cindy Herrera-Murillo".

Cindy Herrera-Murillo
Chevron Midcontinent
NM Regulatory Specialist

Enclosure

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 July 18, 2013

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

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. 30-015-41744
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other SWD		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CHEVRON USA INC.		6. State Oil & Gas Lease No.
3. Address of Operator 15 SMITH RD, MIDLAND, TX 79705		7. Lease Name or Unit Agreement Name SKEEN 2 SWD
4. Well Location Unit Letter <u>M</u> : <u>400</u> feet from the <u>SOUTH</u> line and <u>1200</u> feet from the <u>WEST</u> line Section <u>2</u> Township <u>26S</u> Range <u>27E</u> NMPM County <u>EDDY</u>		8. Well Number #1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3218		9. OGRID Number 4323
		10. Pool name or Wildcat SWD BRUSHY CANYON

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 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"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: STEP RATE TEST <input checked="" 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.

CHEVRON USA INC. REQUESTS AN INCREASE IN PRESSURE TO EXISTING SWD -1462
PLEASE FIND ATTACHED THE STEP RATE TEST AND WELLBORE SCHEMATIC FOR THE ABOVE 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 03/24/2014

Type or print name CINDY HERRERA-MURILLO E-mail address: Cherreramurillo@chevron.com PHONE: 575-263-0431

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any): _____

Step Rate Test



Cardinal Surveys Company

15-Mar-14

Chevron U.S.A. Corp.

Well: Skeen No. 1 SWD

Field;

County: Eddy County, New Mexico

SC60740

File No. 21,641

Intercept @ 2,322.1 BPD, 2,123.9 BH PSIA & Surface Intercept @ 570 PSIA

Downhole PSI Tool Ser. No. CSC2601

Surface PSI Gauge Ser. No. CSC 2701

Tool @ 3,700'

	Start	End	Rate
1	5:02 PM	5:15 PM	0 3,700'
2	5:15 PM	5:45 PM	1000
3	5:45 PM	6:15 PM	1500
4	6:15 PM	6:45 PM	2500
5	6:45 PM	7:15 PM	3500
6	7:15 PM	7:45 PM	4500
7	7:45 PM	8:15 PM	5500
8	8:15 PM	8:45 PM	7500
9	8:45 PM	9:00 PM	0 15 MIN. FALL OFF
10			
11			
12			
13			
14			
15			
16			
17			
18			

Step Rate Test
15-Mar-14

Chevron U.S.A. Corp.
Well: Skeen No. 1 SWD
Field:
Location: Eddy County, New Mexico



	S Time	E Time	D Time Min	Last Rate BPD	Step BPD	BHP PSIA	Surf PSIA	Cum BBL	Delta BBL	Avg. BPD	Lower Trend	Upper Trend
1	5:02 PM	5:15 PM	13	0	0	1865.2	141.5	0	0	0		
2	5:15 PM	5:45 PM	30	1000	1000	2051.7	385.8	23.8	23.8	1142	2051.7	
3	5:45 PM	6:15 PM	30	1500	500	2079.6	452.6	53.5	29.7	1426	2079.6	
4	6:15 PM	6:45 PM	30	2500	1000	2120.2	534.4	101	47.5	2280	2120.2	
5	6:45 PM	7:15 PM	30	3500	1000	2150.5	583	174	73	3504		2150.5
6	7:15 PM	7:45 PM	30	4500	1000	2154.9	599	269	95	4560		2154.9
7	7:45 PM	8:15 PM	30	5500	1000	2172.4	621.7	383	114	5472		2172.4
8	8:15 PM	8:45 PM	30	7500	2000	2208.0	660	533	150	7200		2208.0
9	8:45 PM	9:00 PM	15	0	0	2181.6	603	533	0	0	0	

10
11
12
13
14
15
16

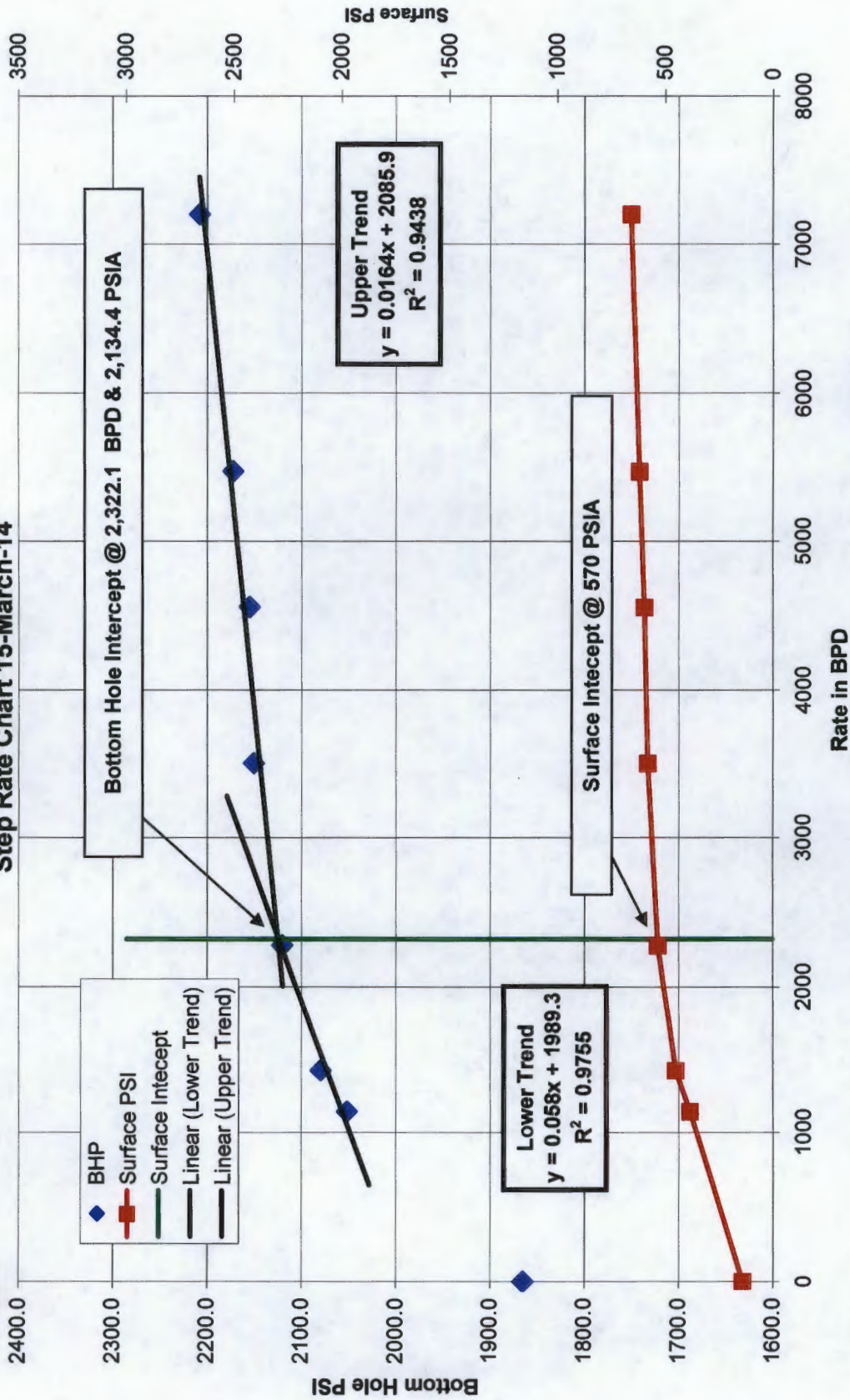
upper trend 0.058 1989.3
lower trend 0.0164 2085.9
intersect 2322.11538 BPD
BHP PSI 2123.98269 PSIA



Chevron U.S.A. Corp.

Skeen No. 1 SWD

Step Rate Chart 15-March-14

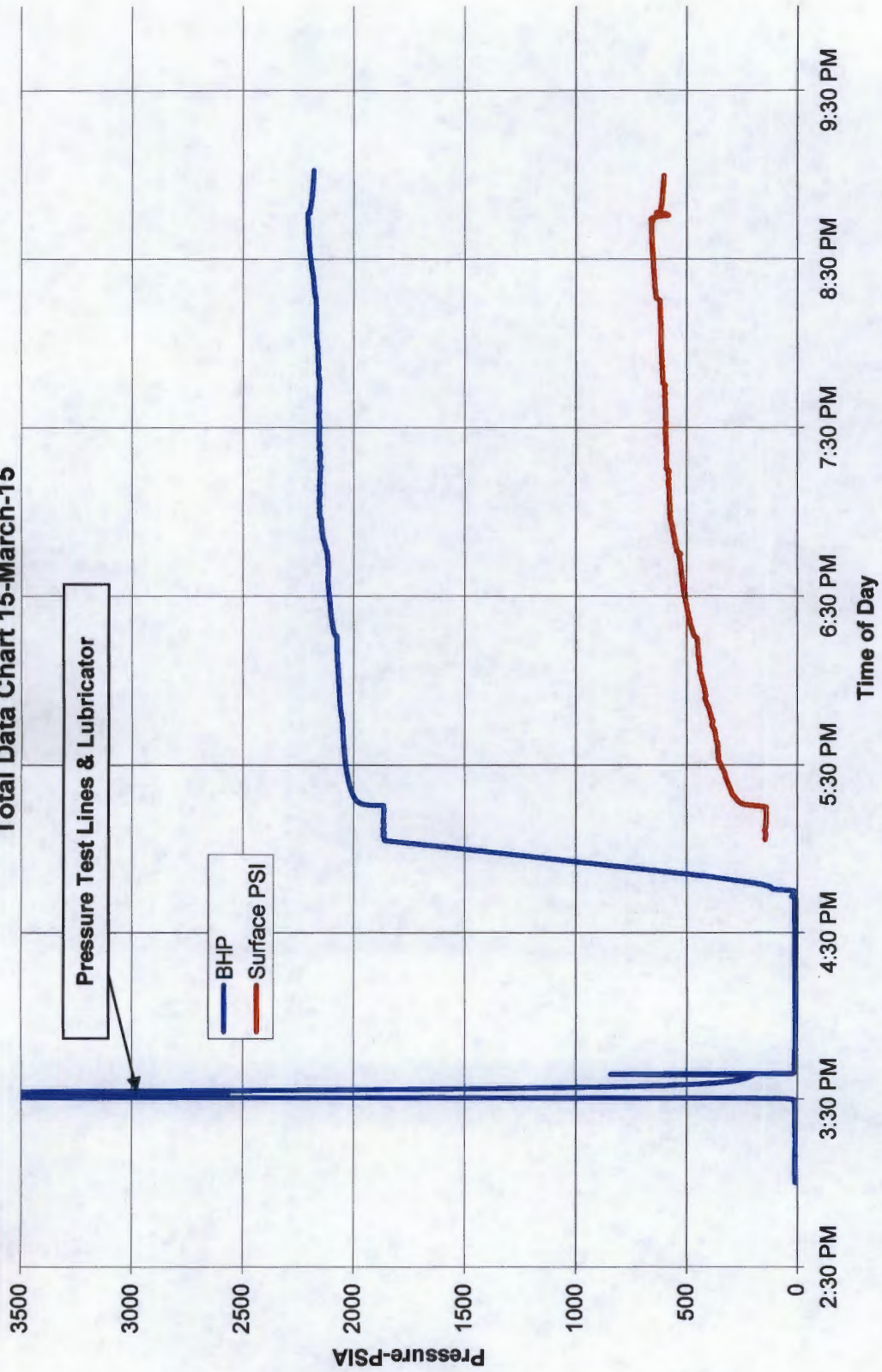


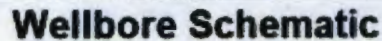
570
- 25

545 psi

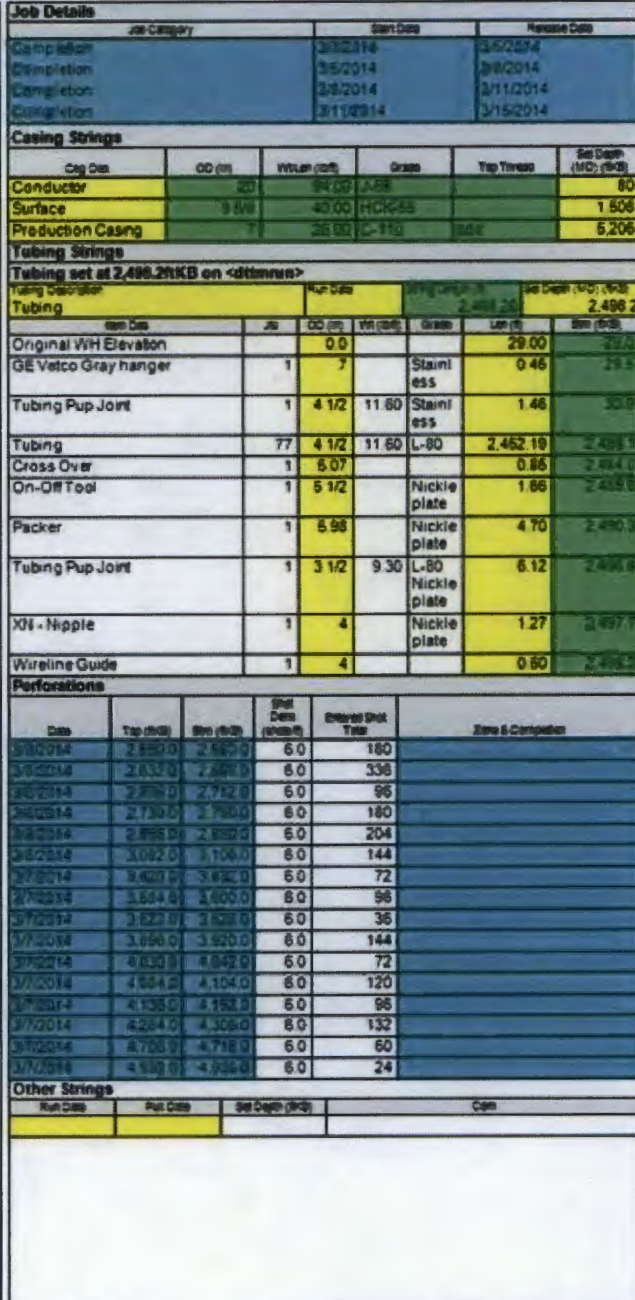


Chevron U.S.A. Corp.
Skeen No. 1 SWD
Total Data Chart 15-March-15





McCartney





Wellbore Schematic

