

DATE IN <u>1.27.12</u>	SUSPENSE	ENGINEER <u>RE</u>	LOGGED IN <u>1.27.12</u>	TYPE <u>PLC</u>	APP NO. <u>1202742391</u>
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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



Chevron NA 4323
 RECEIVED OOD

ADMINISTRATIVE APPLICATION CHECKLIST

30 P025403109

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]

9- Wells (See RBDMS)

- [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

PLC-103-D

[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.

<u>Carolyn Haynie</u>	<u><i>Carolyn Haynie</i></u>	<u>NM Petro Engineering Technical Assistant</u>	<u>Jan 23, 2012</u>
Print or Type Name	Signature	Title	Date

PLC-103-E

chay@chevron.com
 e-mail Address

NM "R" State & NM AN State; Pool Lease Commingle				Amend Commingling Order # PLC-103								
Section 7, & 8; T18S, R35E; Lea County, NM												
Well	API	Status	Lease	Pool	Pool #	Unit Letter	Sec	Location	Twtnshp	Rng	Co	TD
Hobbs N State # 1	30-025-03108	PB to Blinebry in Progress	Hobbs N State	Vacuum Blinebry	61850	D	8	330' FNL & 358' FWL	18S	35E	LEA	9050'
Hobbs N State # 2	30-025-03109	PB to Blinebry on Work Schedule	Hobbs N State	Vacuum Blinebry	61850	C	8	330' FNL & 1650' FWL	18S	35E	LEA	8970'
State AN 4 NEW WELLS	30-025-03104	PB to Blinebry in Progress	State AN	Vacuum Blinebry	61850	H	7	1650' FNL & 990' FEL	18S	35E	LEA	9031'
NEW MEXICO "R" NCT-4 # 3	30-025-40060	8/20/11- Ready to produce	NM "R" State NCT-4	Vacuum; Blinebry	61850	C	7	990' FNL & 2225' FWL	18S	35E	LEA	6489
NEW MEXICO "R" NCT-4 # 4	30-025-40061	New Drill	NM "R" State NCT-4	Vacuum; Blinebry	61850	D	7	990' FNL & 1200' FWL	18S	35E	LEA	Proposed TD 6500'
NEW MEXICO "R" NCT-4 # 5	30-025-40062	New Drill	NM "R" State NCT-4	Vacuum; Blinebry	61850	C	7	330' FNL & 1835' FWL	18S	35E	LEA	6220'
NEW MEXICO "R" NCT-4 # 6	30-025-40063	New Drill	NM "R" State NCT-4	Vacuum; Blinebry	61850	D	7	350' FNL & 470' FWL	18S	35E	LEA	Proposed TD 6500'
NEW MEXICO "R" NCT-4 # 7	30-025-40122	New Drill	NM "R" State NCT-4	Vacuum; Blinebry	61850	D	7	990' FNL & 490' FWL	18S	35E	LEA	6500'
STATE AN # 13	30-025-40059	New Drill	State 'AN'	Vacuum; Blinebry	61850	D	7	990' FNL & 2310' FEL	18S	35E	LEA	6500'

Ezeanyim, Richard, EMNRD

From: Haynie, Carolyn (CHaynie) [Kelly Services] [CHAY@chevron.com]
Sent: Wednesday, February 15, 2012 10:10 AM
To: Ezeanyim, Richard, EMNRD
Subject: C103
Attachments: C-103 amendment for PLC-103D.pdf

Hi Richard,

I think this is everything you are needing. I only inserted the new wells API numbers since the others are in the battery, and then made comments of the change of formation for the last 3 recompletions.

Thanks for all your help! ☺

Carolyn Haynie
Chevron U.S.A. Inc.
New Mexico PE TA
For Eunice, Vacuum,
Dollarhide, And Facilities
Room 2242A
Midland, TX
432-687-7261





Carolyn Haynie
Production Engineering
Technical Assistant

MidContinent/Alaska SBU
Chevron North America
Exploration and Production
Company
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Midland, TX 79705
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Fax 432-687-7558
chay@chevron.com

January 23, 2012

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

Re: Commingling Order PLC-103-D Amendment
Oil and Gas Department

PTG-W 1007537736

Chevron U.S.A. Inc. respectfully request administrative approval for an amendment to Commingle Order PLC-103-D. The Vacuum Blinbry Oil pool, (61850) is currently approved for the battery, and this amendment will add the following wells in the Blinbry formation::

~~New Mexico R NCT-4 # 3, API # 30-025-40060, New Mexico R NCT-4 # 4, API # 30-025-40061, New Mexico R NCT-4 # 5, API # 30-025-40062, New Mexico R NCT-4 # 6, API # 30-025-40063, New Mexico R NCT-4 # 7, API # 30-025-40122, and State AN #13.~~ *30-025-40059 7-185-35E*

Recompletions being added in the Blinbry formation are the:

~~State AN # 4, API # 30-025-03104, Hobbs N State #1, API 30-025-03108, Blinbry plugback in progress.~~

Also, we would like to add the:

~~Hobbs N State # 2, API 30-025-03109~~ will be plugged back to the Blinbry within the next 3 months.

this API is for Vacuum ABO Unit #2 8-185-35E

Chevron has 100% working interest in all the wells in the battery, and the royalty owner is the State of New Mexico, Commissioner of Public Lands. The royalty owner has been notified of Chevron's intend to amend this commingle and their current value will not be impacted by the proposed action.

If you require additional information, please contact me at 432-687-7261, or by email at: chay@chevron.com.

Sincerely,

Carolyn Haynie
NM PE Technical Assistant
Enclosure

cc: NMOCD – District 1, Hobbs
Paul Brown
Nick Moschetti
Alex Rodriguez
Denise Pinkerton

NM "R" State & NM AN State; Pool Lease Commingle					Amend Commingling Order # PLC-103							
Section 7, & 8; T18S, R35E; Lea County, NM												
Well	API	Status	Lease	Pool	Pool #	Unit Letter	Sec	Location	Twtnshp	Rng	Co	TD
Hobbs N State # 1	30-025-03108	PB to Blinebry in Progress	Hobbs N State	Vacuum Blinebry	61850	D	8	330' FNL & 358' FWL	18S	35E	LEA	9050'
Hobbs N State # 2	30-025-03109	PB to Blinebry on Work Schedule	Hobbs N State	Vacuum Blinebry	61850	C	8	330' FNL & 1650' FWL	18S	35E	LEA	8970'
Hobbs N State # 5	30-025-26604	PR	Hobbs N State	Vacuum Abo Reef	61780	H	8	1980' FNL & 330' FEL	18S	35E	LEA	9208'
NM AB State # 2	30-025-03085	PS	New Mexico AB State	Vacuum Abo Reef	61780	P	6	660' FSL & 560' FEL	18S	35E	LEA	9050'
NM AB State # 4	30-025-03087	TA	New Mexico AB State	Vacuum Abo Reef	61780	I	6	1650' FSL & 660' FEL	18S	35E	LEA	9097'
NM AB State # 9	30-025-30139	PS	New Mexico AB State	Vacuum Abo Reef	61780	P	6	538' FSL & 818' FEL	18S	35E	LEA	10,413'
NM AB State # 10	30-025-31991	TA	New Mexico AB State	Vacuum Drinkard	62110	J	6	2085' FSL & 1872' FEL	18S	35E	LEA	8200'
State AN # 1	30-025-03101	PR	State AN	Vacuum; Blinebry	61850	A	7	330' FNL & 990' FEL	18S	35E	LEA	8945'
NM "AN" State # 2H	30-025-03102	PR	State "AN" COM	Vacuum Abo Reef	61780	B	7	330' FNL & 2100' FEL	18S	35E	LEA	11064'
State AN 5 H	30-025-03105	PS	State AN	Vacuum Abo Reef	61780	J	7	2310' FSL & 2310' FEL	18S	35E	LEA	9882'
State AN 6	30-025-03106	TA	State AN	Vacuum Abo Reef	61780	O	7	990' FSL & 2310' FEL	18S	35E	LEA	9025'
State AN 11B	30-025-34097	PR	State AN	Vacuum Blinebry	61850	B	7	900' FNL & 1440' FEL	18S	35E	LEA	11681'
State AN 12 VD	30-025-34098	TA	State AN	Vacuum Devonian, Mid	62000	I	7	1950' FSL & 450' FEL	18S	35E	LEA	12128'
State AN 12VW	30-025-34098	TA	State AN	Vacuum Wolfcamp	62340	I	7	1950' FSL & 450' FEL	18S	35E	LEA	12128'
State AN 3 BLN	30-025-03103	PR	State AN	Vacuum Blinebry	61850	G	7	1650' FNL & 2310' FEL	18S	35E	LEA	8993'
State AN 4	30-025-03104	PB to Blinebry in Progress	State AN	Vacuum Blinebry	61850	H	7	1650' FNL & 990' FEL	18S	35E	LEA	9031'
NEW WELLS												
NEW MEXICO "R" NCT-4 # 3	30-025-40060	8/20/11- Ready to produce	NM "R" State NCT-4	Vacuum; Blinebry	61850	C	7	990' FNL & 2225' FWL	18S	35E	LEA	6489
NEW MEXICO "R" NCT-4 # 4	30-025-40061	New Drill	NM "R" State NCT-4	Vacuum; Blinebry	61850	D	7	990' FNL & 1200' FWL	18S	35E	LEA	Proposed TD 6500'
NEW MEXICO "R" NCT-4 # 5	30-025-40062	New Drill	NM "R" State NCT-4	Vacuum; Blinebry	61850	C	7	330' FNL & 1835' FWL	18S	35E	LEA	6220'

NEW MEXICO "R" NCT-4 # 6	30-025-40063	New Drill	NM "R" State NCT-4	Vacuum; Blinebry	61850	D	7	350' FNL & 470' FWL	18S	35E	LEA	Proposed TD 6500'
NEW MEXICO "R" NCT-4 # 7	30-025-40122	New Drill	NM "R" State NCT-4	Vacuum; Blinebry	61850	D	7	990' FNL & 490' FWL	18S	35E	LEA	6500'
STATE AN # 13	30-025-40059	New Drill	State 'AN'	Vacuum; Blinebry	61850	D	7	990' FNL & 2310' FEL	18S	35E	LEA	6500'

Hobbs "N" State No. 1

Created:	02/11/11	By:	PTB	Well #:	1	St. Lse:	
Updated:	10/03/11	By:	PTB	API	30-025-03108		
Updated:		By:					
Lease:	Hobbs 'N' State			Unit Ltr.:	D	Section:	8
Field:	Vacuum (Drinkard)			TSHR/Rng:	18S 35E		
Surf. Loc.:	330' FNL & 358' FWL			Unit Ltr.:		Section:	
Bot. Loc.:				TSHR/Rng:			
County:	Lea	St.:	NM	Directions:			
Status:	TA Producer 4-13-09			Chevno:	FA4260		
	TA Expires 4-28-14						

Surface Casing

Size: 13 3/8"
Wt., Grd.: 44.5#
Depth: 294'
Sxs Cmt: 305
Circulate: yes
TOC: Surface
Hole Size: 17 1/2"

KB: 3,973
DF: 3972'
GL: 3,962
Ini. Spud: 10/12/61
Ini. Comp.: 12/12/61

Intermediate Casing

Size: 8-5/8"
Wt., Grd.: 32#
Depth: 3241'
Sxs Cmt: 1100'
Circulate: No
TOC: 380' Calc @ 50% Effy.
Hole Size: 11"

TOC @ 1293' - Temperature Survey

2-7/8" Production Tubing (187 jts.)

Tubing Anchor @ 5736' (175 jts. Down)

Blinbry Perfs: 5844' - 6074'
Pump SN @ 6128'

CIBP @ 6500'

CIBP & 7870' capped w/ 50' cmt

Perfs: 7920- 8470'
Perfs: 8460' - 76' (Squeezed)
CIBP @ 8662'

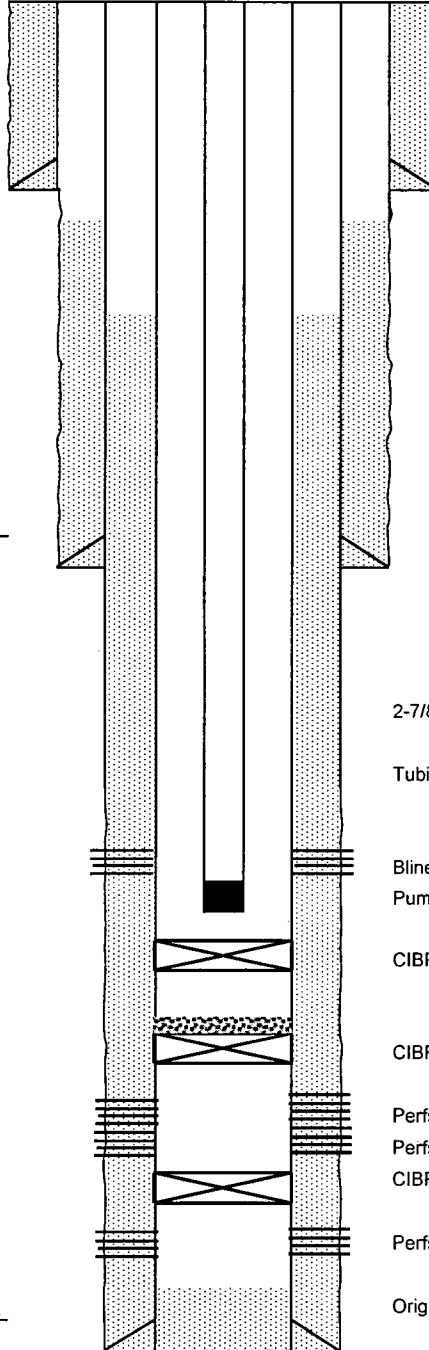
Perfs: 8726' - 8874'

Original PBD @ 8900'

Production Casing

Size: 5-1/2"
Wt., Grd.: 17#
Depth: 9049'
Sxs Cmt: 925
Circulate: No
TOC: 1293' Temp Survey
Hole Size: 7-7/8"

PBD: 7870'
TD: 9050'



Hobbs "N" State No. 2

Created: 12/12/11 By: CHAY
 Updated: By:
 Updated: By:
 Lease: Hobbs 'N' State
 Field: Vacuum
 Surf. Loc.: 330' FNL & 1650' FWL
 Bot. Loc.:
 County: Lea St.: NM
 Status: P&A'd 10/19/2004

Well #: 2 St. Lse:
 API: 30-025-03109
 Unit Ltr.: C Section: 8
 TSHP/Rng: T18S; R35E
 Unit Ltr.: Section:
 TSHP/Rng:
 Directions:
 Chevno:

Current Wellbore

Surface Casing

Size: 13 3/8"
 Wt., Grd.: 35.6#
 Depth: 314'
 Sxs Cmt: 310
 Circulate: yes
 TOC: Surface
 Hole Size: 17 1/2"

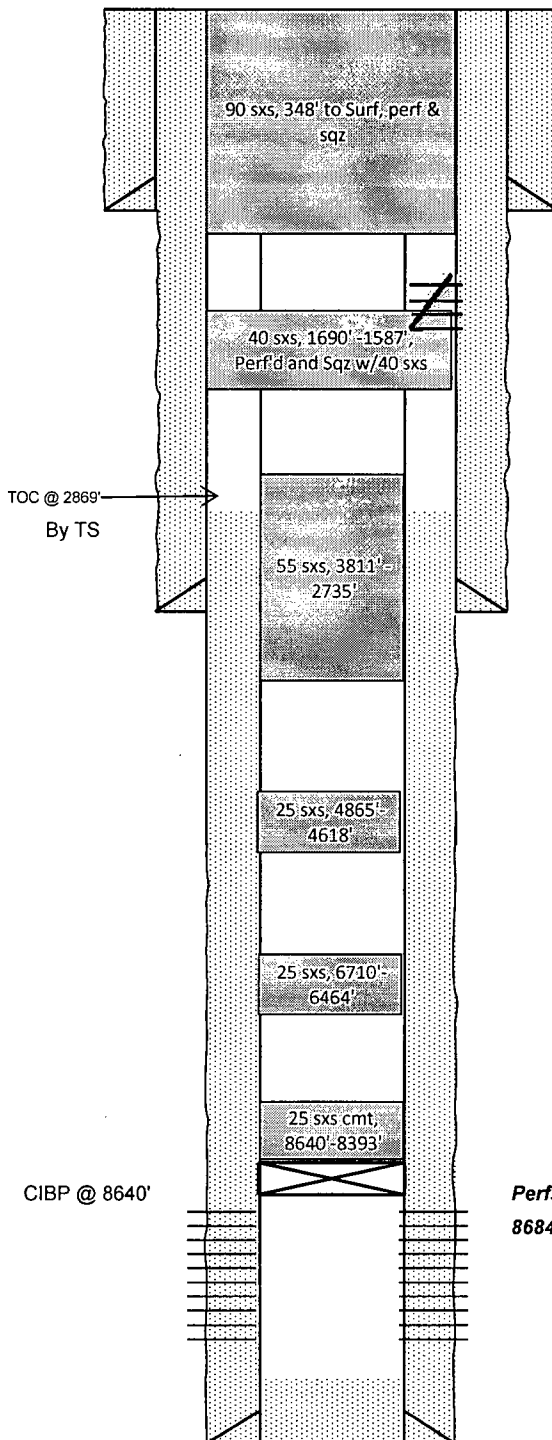
Intermediate Casing

Size: 8-5/8"
 Wt., Grd.: 32#
 Depth: 3275'
 Sxs Cmt: 1100'
 Circulate: yes
 TOC: Surf-by Calc
 Hole Size: 11"

Formation Tops	
T/Salt	1690'
B/Salt	2916'
T/Yates	3037'
T/7Rvs	3393'
T/Queen	4053'
T/Grayburg	4495'
T/Penrose	4246'
T/San Andres	4864'
T/Clearfork	7540'
T/Drk	8194'

Production Casing

Size: 5-1/2"
 Wt., Grd.: 17#
 Depth: 8969'
 Sxs Cmt: 779
 Circulate: No
 TOC: 2869' TS
 Hole Size: 7-7/8"



KB: 3969'
 DF: 3967'
 GL: 3953'
 Ini. Spud: 01/21/62
 Ini. Comp.: 02/25/62

2/1962- Perf 8884'-93', 8896'-26', 8931'-34', 8944'-52'. Trt w/1000 gals Halliburton MCA Acid. Well flowed 417 BBLS of oil in 24 hrs.
 5/2/67- Additional Perfs; 8800'-35', Trt w/ 1000 gals Acid/. RTP
 12/5/79- Additional Perfs: 8684'-7807', 8753'-58', 8763'-8772'. Trt w/3000 gals acid.
 6/9/86- Well TA'd.
 11/20/92- Set CIBP @ 8640'. TA'd
 10/19/2004- P&A'd

Recompletion in Blinbry

Perfs:
 8684' - 8952'

PBTD: 8961'
 TD: 8970'

Hobbs "N" State No. 2

Created: 12/12/11 By: CHAY
 Updated: By:
 Updated: By:
 Lease: Hobbs 'N' State
 Field: Vacuum (Drinkard)
 Surf. Loc.: 330' FNL & 1650' FWL
 Bot. Loc.:
 County: Lea St.: NM
 Status: P&A'd 10/19/2004

Well #: 2 St. Lse:
 API 30-025-03109
 Unit Ltr.: C Section: 8
 TSHP/Rng: T18S; R35E
 Unit Ltr.: Section:
 TSHP/Rng:
 Directions:
 Chevno:

Proposed Wellbore

Surface Casing

Size: 13 3/8"
 Wt., Grd.: 35.6#
 Depth: 314'
 Sxs Cmt: 310
 Circulate: yes
 TOC: Surface
 Hole Size: 17 1/2"

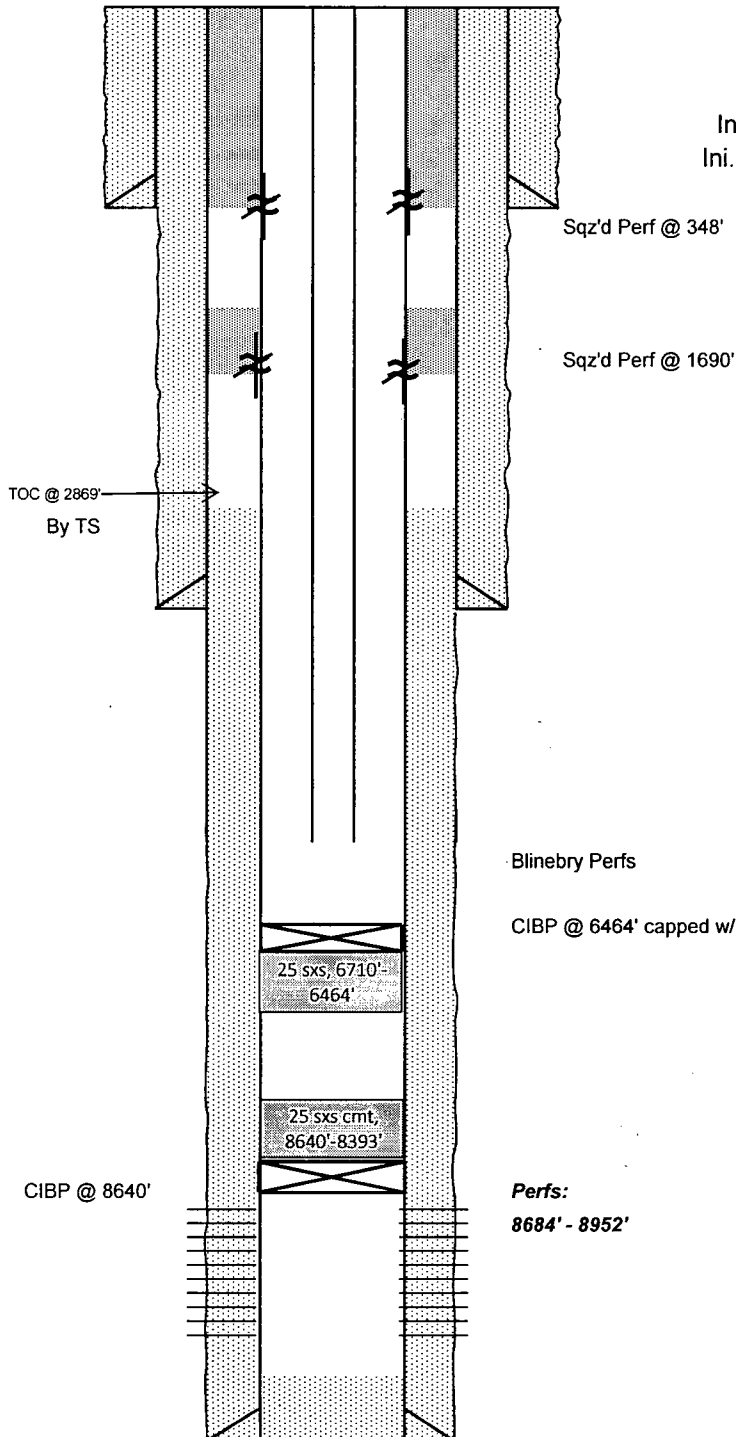
Intermediate Casing

Size: 8-5/8"
 Wt., Grd.: 32#, J-55
 Depth: 3275'
 Sxs Cmt: 1100'
 Circulate: yes
 TOC: Surf-by Calc
 Hole Size: 11"

Formation Tops	
T/Salt	1690'
B/Salt	2916'
T/Yates	3037'
T/7Rvs	3393'
T/Queen	4053'
T/Grayburg	4495'
T/Penrose	4246'
T/San Andres	4864'
T/Clearfork	7540'
T/Drk	8194'

Production Casing

Size: 5-1/2"
 Wt., Grd.: 17#
 Depth: 8969'
 Sxs Cmt: 779
 Circulate: No
 TOC: 2869' TS
 Hole Size: 7-7/8"



KB: 3969'
 DF: 3967'
 GL: 3953'
 Ini. Spud: 01/21/62
 Ini. Comp.: 02/25/62

Blinbry Perfs

CIBP @ 6464' capped w/ 25" cmt

Perfs:
 8684' - 8952'

PBTD: 8961'
 TD: 8970'

**CURRENT
WELLBORE DIAGRAM**

State AN #4

LOCATION

State	New Mexico
County	Lea
Surface Location	1650 FNL, 990 FEL
	Sec 7, R-35E, T-18S
	Unit H

CASING DETAIL

Surface Csg.	
Size:	13-3/8" H40
Wt.:	48#
Set @:	317
Sxs cmt:	350sx
TOC:	Surface
Hole Size:	17-1/4"
Production Csg.	
Size:	8-5/8" J-55
Wt.:	24# & 32#
Set @:	3334
Sxs Cmt:	1950 sx
TOC:	circ
Hole Size:	11"
Production Csg.	
Size:	5-1/2"
Wt.:	15.5 & 17#
Set @:	9001
Sxs Cmt:	1038 sx
TOC:	
Hole Size:	7-7/8"

WELL ID INFORMATION

Lease Name	State AN
Field	Vacuum Abo Reef
Reservoir	Abo Reef
Cheveno	FA4256
API #	30-025-03104

KB: 3976

DF: 3975

GL: 3964

Spud Date: 5/2/1962

Compl. Date: 6/18/1962

Recompletion

5/1962- Perf 8965-88 46 holes, 8925-65 80 holes, 8881-8925 88 holes thru tbg 2spf, lost 2 stip guns in hole, pushed to bottom, ac 1000 gals mud acid + 3000 gals 15%, IP 119 BO, 0 BW on 20/64" choke in 19 hrs.
1966- ac 6000 gals, IP 208 BO, 2 BWPD
1971- place on art lift 320 unit
1974- upgraded to 456 unit
12/16/1975- Perf 8617,36,40,52,62,69, 86,91,97,8702,18,28, 33,49, 60, 59,71,79, 8802,1 spf, 20 holes, .31 dia, ac w/ 6000 gals 20% HCL + 30 Balls, IP 120 BO, 30 BW, 80 MCFPD
1977- sped up unit from 6 SPM to 9 SPM
1981- Treated 2 cylinder Mag M +Ac 5000 gals 15% HCL, installed submersible pump
3/1983- Changed from sub to rod pump
3/1983- Ac 7000 gals + 2000# RS + 200 balls, Vac 30 BPM, SN 8889, 1 1/2" pump, 144" LOS, 8.5 SPM
9/1992- Ran production log to find wtr entry, TA'd well
12/1996- DO CIBP @8530' and CO to 8998', Perf 8564-8610, 2 spf, Ac w/ CT 9000 gals 15% + N2, Max P 1950 #, 2.3 BPM, IP 7 BO, 320 BW, 13 MCFPD, SN 8931'
2/2003 - PA'd
9/2011 -Recomp to Blinbry. Drl cmt to 4970', RIH w/WS, Tag at 7114'. Log 1/6750' to 4600'. RIH w/CIBP, set @ 6700', top w/35' cmt. Perf. w/4" guns. 6028'- 32'; 6090'- 94'; 6152'- 56'; 6186'-90'; 6226'-30'; 6260'- 64'; 6282'- 86'; 6341'- 6318'. Ran L-80 2-7/8" tbg and rods. TOTP

Blinbry Perfs: 4" guns

6028'- 32'; 6090'- 94'; 6152'- 56'

6186'-90'; 6226'-30'; 6260'- 64'

6282'-86'; 6341'- 6318'

CIBP @ 6700'

TOC @ 6665'

CIBP 8550'

ABO PERFORATIONS

* 8881-8925, 8925-8965, 8965-8988

(2spf, 240 holes,tbg guns) (1967)

*8617,36,40,52,62,69,74,86,91,97,

8702,18,28,33,49,60,69,71,79,8803

(1 spf, 20 holes, .31) (12/1975)

*8564-8610 (2 spf) (12/1996)

8564'-8610'

8617'-8802'

30% wtr entry

8881'-8988'

66% wtr entry

PBTD:
Orig TD: 9001

Created: 10/7/2005
Undated: 9/27/11

WJOD
CHAY



EOW Schematic

NEW MEXICO STATE 'R' NCT-4 003

Well Name NEW MEXICO STATE 'R' NCT-4 003	Field Name Vacuum	Lease New Mexico 'R' State NCT-4	County/ Parish Lea	State/Province New Mexico
Surface ChevNo MY2482	Ground Elevation (ft) 3,977.00	Original KB to Ground (ft) 18.50	Original Spud Date 7/19/2011	Total Depth (ftKB) 6,350.0

Prod Tree Loc: Original Hole: 1/24/2012 8:59:41 AM
Schematic: Actual

ftKB (MD)	ftKB (TVD)	Incl	
-1,462			
-45			
-6			
-4			
0			
12			
18			
18			1-1, Polished Rod, 1 1/2, 12, 26.0
37			
38			1-2, Pony Rod, 1, 38, 4.0
42			1-3, Pony Rod, 1, 42, 6.0
48			1-4, Pony Rod, 1, 48, 8.0
56			
200			1-5, Sucker Rod, 1, 56, 1,625.0
1,518	0	1.4	
1,681	0	1.5	1-6, Sucker Rod, 7/8, 1,681, 1,900.0
2,765	0	2.6	
3,130	0	1.4	
3,581	0	0.4	
3,700	0	0.4	
4,050	0	0.4	
4,350	0	0.7	
4,380	0	0.7	1-7, Sucker Rod, 3/4, 3,581, 2,250.0
5,575	0	1.0	
5,637	0	1.0	
5,642	0	1.0	1-2, Tubing Pup Joint, 2 7/8, 5,637, 4.3
5,705	0	0.9	1-3, Tubing, 2 7/8, 2,441, 5,642, 63.5
5,708	0	0.9	1-4, Anchor/catcher, 2 7/8, 5,705, 2.7
5,726	0	0.9	
5,730	0	0.9	
5,750	0	0.9	
5,800	0	0.9	
5,804	0	0.9	
5,831	0	0.8	
5,843	0	0.8	
5,847	0	0.8	1-5, Tubing, 2 7/8, 2,441, 5,708, 285.7
5,891	0	0.8	
5,895	0	0.8	
5,938	0	0.8	1-8, Sinker Bar, 1 5/8, 5,831, 200.0
5,942	0	0.8	
5,983	0	0.7	
5,987	0	0.7	
5,993	0	0.7	
6,009	0	0.7	
6,025	13	0.7	1-6, Blast Joint ENDURO, 2 7/8, 5,994, 64.9
6,029	17	0.7	
6,031	19	0.7	1-9, Rod Guide, 1, 6,031, 4.0
6,035	23	0.7	
6,036	24	0.7	1-10, Rod Insert Pump, 1 1/2, 6,035, 24.0
6,058	46	0.7	
6,059	47	0.7	1-7, Pump Seating Nipple Mech., 2 7/8, 6,059, 0.8
6,059	47	0.7	1-8, Tubing Sand Screen, 2 7/8, 6,059, 23.9
6,083	71	0.6	1-9, Bull Plug, 2 7/8, 6,083, 0.2
6,083	71	0.6	
6,237	225	0.5	
6,240	228	0.5	
6,241	229	0.5	
6,324	312	0.4	
6,326	314	0.4	
6,326	314	0.4	
6,350			
6,500			

NM State AN #4 Wellbore Diagram

Created: _____ By: Chay
 Updated: _____ By: _____
 Updated: _____ By: _____
 Lease: State 'AN'
 Field: Vacuum; Blinebry
 Surf. Loc.: 1650' FNL & 990' FEL
 Bot. Loc.: _____
 County: Lea St.: NM
 Status: _____

Well #: 4 St. Lse: E-7653
 API: 30-025-03104
 Unit Ltr.: H Section: 7
 TSHP/Rng: T18S & R35E
 Directions: _____
 Chevno: FA4256
 Directions: _____
 Chevno: _____

Surface Casing

Size: 13-3/8" H40
 Wt., Grd.: 48#
 Depth: 317'
 Sxs Cmt: 350 sxs
 Circulate: Yes
 TOC: Surf
 Hole Size: 17-1/4"

Intermediate Casing

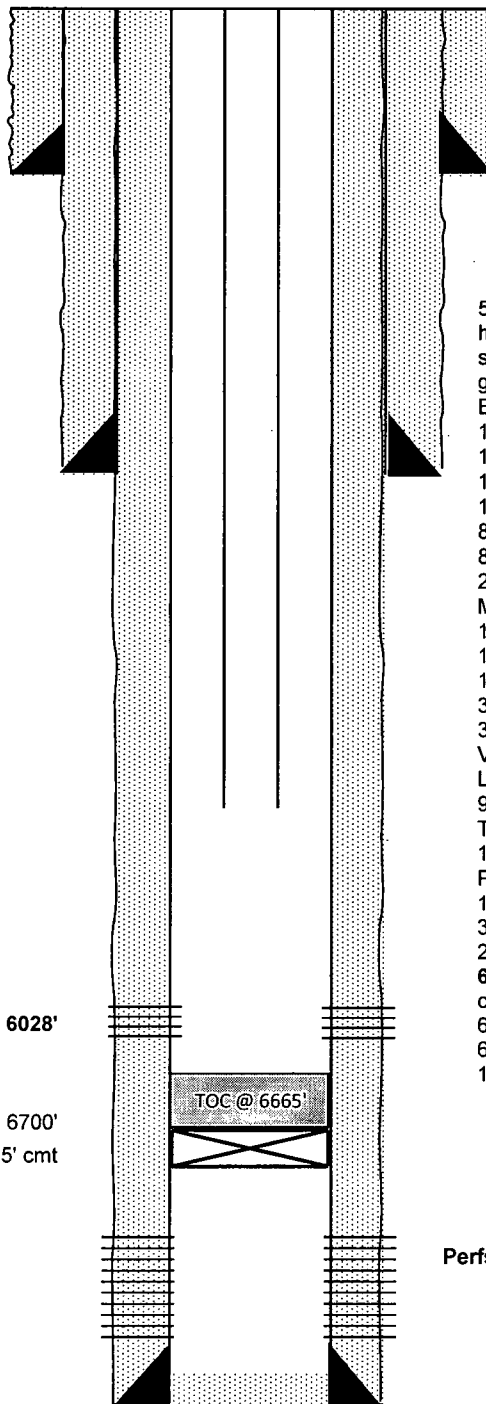
Size: 8-5/8" J-55
 Wt., Grd.: 34 & 32#
 Depth: 3334'
 Sxs Cmt: 1950' sxs
 Circulate: Yes
 TOC: Surf
 Hole Size: 11"

Production Casing

Size: 5-1/2"
 Wt., Grd.: 15.5 & 17#
 Depth: 9001'
 Sxs Cmt: 700 sxs
 Circulate: Yes
 TOC: Surf
 Hole Size: 7-7/8"

Geology - Tops

Yates: 2933'
 Queen: 3994'
 Grayburg: 4319'
 Abo: 4639'



KB: 3976'
 DF: 3975'
 GL: 3964'
 Ini. Spud: 05/02/62
 Ini. Comp.: 06/18/62
 P&A'd: 2/7/2003
 Recompleted: 9/13/2011

History

5/1962- Perf 8965-88 46 holes, 8925-65 80 holes, 8881-8925 88 holes thru tbg 2spf, lost 2 stip guns in hole, pushed to bottom, ac 1000 gals mud acid + 3000 gals 15%, IP 119 BO, 0 BW on 20/64" choke in 19 hrs.
 1966- ac 6000 gals, IP 208 BO, 2 BWPD
 1971- place on art lift 320 unit
 1974- upgraded to 456 unit
 12/16/1975- Perf 8617,36,40,52,62,69, 86,91,97,8702,18,28, 33,49, 60, 59,71,79, 8802,1 spf, 20 holes, .31 dia, ac w/ 6000 gals 20% HCL + 30 Balls, IP 120 BO, 30 BW, 80 MCFPD
 1977- sped up unit from 6 SPM to 9 SPM
 1981- Treated 2 cylinder Mag M +Ac 5000 gals 15% HCL, Installed submersible pump
 3/1983- Changed from sub to rod pump
 3/1983- Ac 7000 gals + 2000# RS + 200 balls, Vac 30 BPM, SN 8889', 1 1/2" pump, 144" LOS, 8.5 SPM
 9/1992- Ran production log to find wtr entry, TA'd well
 12/1996- DO CIBP @8530' and CO to 8998', Perf 8564-8610, 2 spf, Ac w/ CT 9000 gals 15% + N2, Max P 1950 #, 2.3 BPM, IP 7 BO, 320 BW, 13 MCFPD, SN 8931'
 2/2003 - PA'd.
 6/6/2011- DO cmt, set CIBP @ 6700', top w/35' cmt. Perf: 6341'-18', 6282'-30', 6260'-64', 6226'-30', 6186'-90', 6152'-56', 6090'-94', 6028'-32', 1 SPF, 90 degs. Acdz w/3500 gals 15%, HCL, 48 Ball sealers, & frac. RD-RTP on

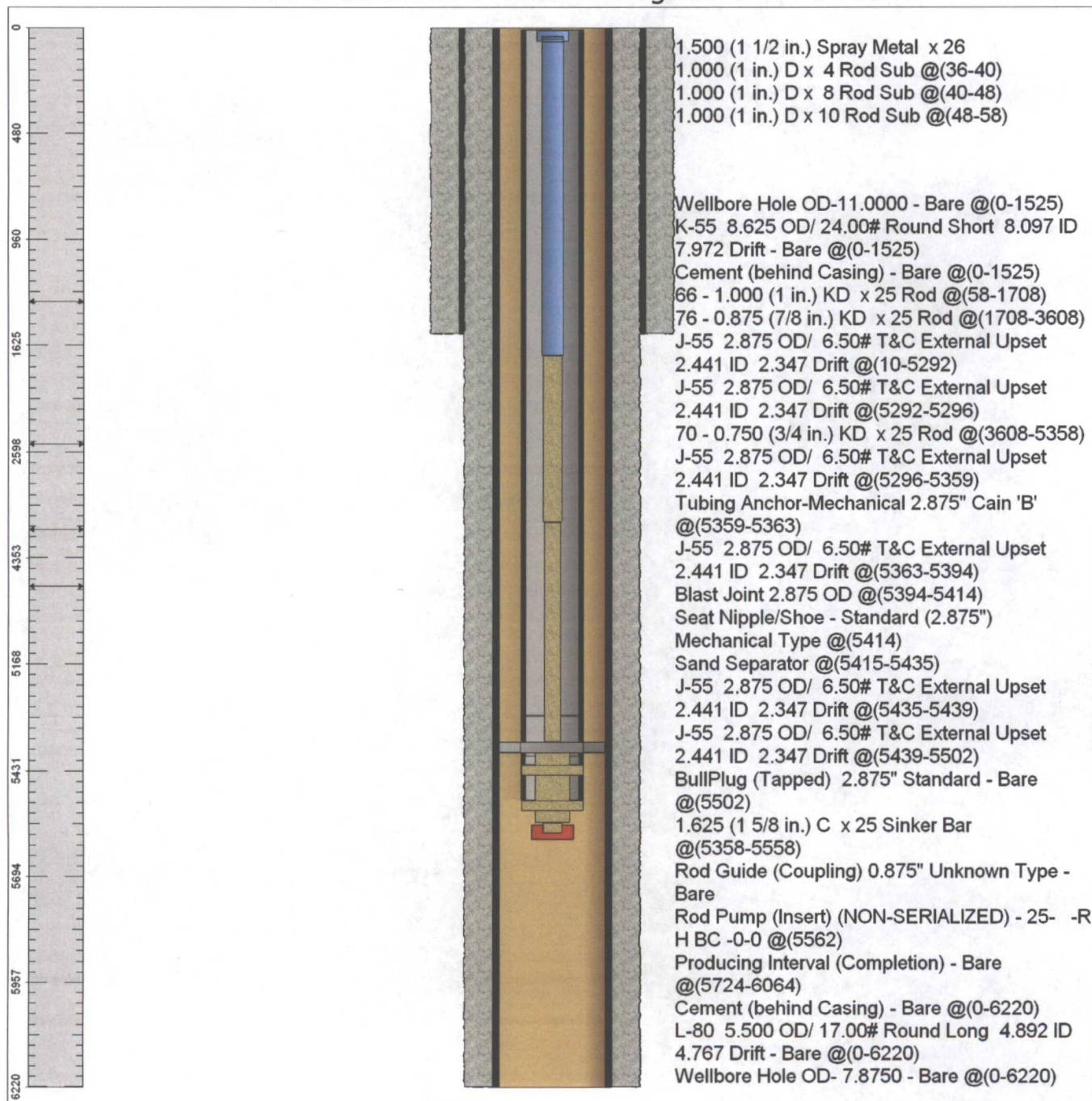
Perfs: 6341' - 6028'

CIBP @ 6700'
 Top w/35' cmt

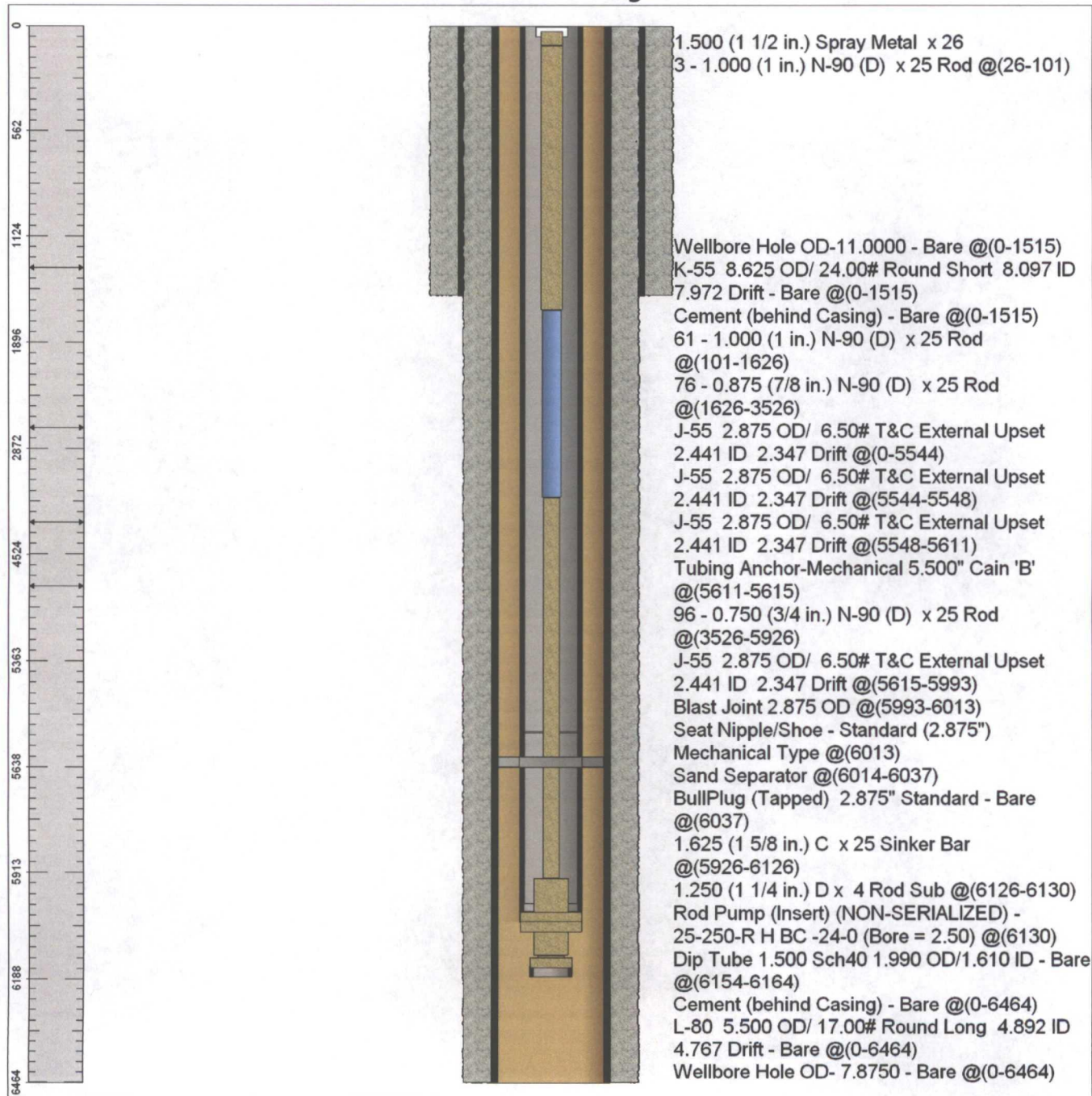
Perfs: 8965'-8564'

PBTD: _____
 TD: 9031'

Chevron U.S.A. Inc. Wellbore Diagram : NM ST R 4 5



Chevron U.S.A. Inc. Wellbore Diagram : NM R NCT 4 #7



State "AN" No.13 Wellbore Diagram

Created: 08/23/11 By: PTB
 Updated: 11/11/11 By: BBMK
 Updated: 12/20/11 By: CHAY
 Lease: New Mexico State "AN"
 Field: Vacuum Blinebry
 Surf. Loc.: 990' FNL & 2310' FEL
 Bot. Loc.:
 County: Lea St.: NM
 Status: Producing Well

Well #: 13 St. Lse: -
 API 30-025-40059
 Unit Ltr.: B Section: 7
 TSHP/Rng: 18S 35E
 Unit Ltr.: Section:
 TSHP/Rng:
 Directions: Buckeye, NM
 CHEVNO: MY2486
 OGRID: 4323

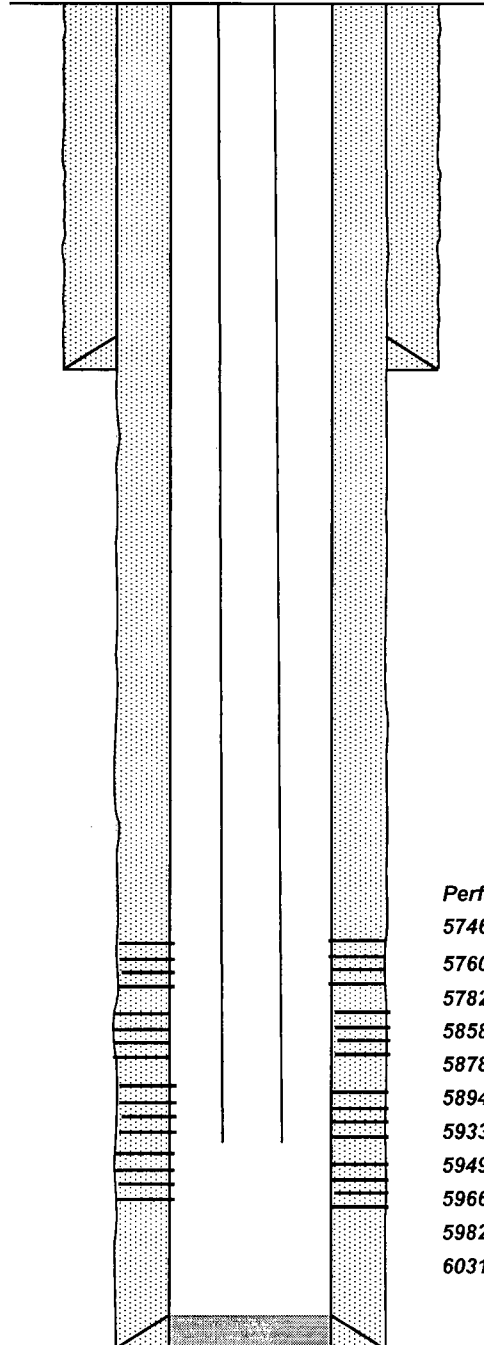
Surface Casing

Size: 8 5/8"
 Wt., Grd.: 24#, J-55
 Depth: 1510'
 Sxs Cmt: 870
 Circulate: Yes
 TOC: Surface
 Hole Size: 11"

T/Yates	2938'
T/Queen	3344'
T/Grayburg	4354'
T/San Andres	4776'
T/Bone Springs	5621'

Production Casing

Size: 5 1/2"
 Wt., Grd.: 17#, L-80
 Depth: 6191'
 Sxs Cmt: 1,150
 Circulate: Yes; 200 sx
 TOC: Surface
 Hole Size: 7 7/8"



KB: 3,993
 DF:
 GL: 3,974
 Ini. Spud: 08/20/11
 Ini. Comp.: 10/18/2011

Initial Completion: 10/18/2011
 Perfs: 6035'-5746', acdz w/3,500 gals 15%
 HCL, Frac w/97,000 gals YF130.
 Tst-11/16/11: 163 Oil, 86 Gas, 42 Wtr.

Perfs:
 5746' - 50'
 5760' - 64'
 5782' - 86'
 5858' - 62'
 5878' - 82'
 5894' - 98'
 5933' - 37'
 5949' - 53'
 5966' - 70'
 5982' - 86'
 6031 - 35"

PBTD: 6,012'
 TD: 6,201'

State "AN" No.13 Wellbore Diagram

Tubing Detail:

Tubing (176)	176	Upset	2 7/8	6.5 J-55	5,568.10
Marker sub	1		2 7/8		4.2
Tubing (2)	2	Upset	2 7/8	6.5 J-55	63.46
TAC	1		4.892		2.7
Tubing (10)	10	Upset	2 7/8	6.5 J-55	315.48
Enduro Jts (2)	2		2 7/8		64.45
2-1/2" Seat Nipple w/ 1-1/4" 10' dip tube below	1		2 7/8		0.8
Sand Screen	1		2 7/8		24.1
Bull Plug	1		2		0.5

Rod Detail:

Polished Rod	1	Sprayloy	1 1/2		26
Pony Rod	1		1	2.9 Special	8
Pony Rod	1		1	2.9 Special	10
Sucker Rod	58	Grade 97	1	2.9 Special	1,450.00
Sucker Rod	76	Grade 97 7/8		2.22 Special	1,900.00
Sucker Rod	96	Grade 97 3/4		1.63 Special	2,400.00
Sinker Bar	8		1 5/8	6.01 K	200
Rod Guide	1		1		4
Rod Insert Pump	1		1 1/2		24

ATTACHMENT I

LAND OWNERSHIP STATUS

PREPARED BY Daniel Pequeno, Landman, CPL/ESA

November 1, 2011

Application of Chevron U.S.A. Inc. for Administrative Approval to amend existing Surface Pool
Commingle to add Blinebry Pool :

Chevron's Abo Reef Consolidated Battery

Section 7, T-2518-S, R-35E

Lea County, New Mexico

E/2 SECTION 7 -T18S-R35, NMPM - STATE LEASE E-7653:

Lease Owner - 100% WI

Chevron U.S.A. Inc.
15 Smith Road
Midland, Texas 79705

Royalty Owner - 1/8 Royalty

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148

Wells located on the Lease are the NM "AN" State #1 (Blinebry Reservoir) & 5 (Abo Reservoir);
NM "AN" State Com #2H (Abo Reservoir and Com with NM "R" State (NCT-1) Lease); NM
"AN" State #11 (Blinebry Reservoir); NM "AN" State #4; #12 (to be reactivated & completed in
the Blinebry Reservoir) and State "AN" #13 (New Drill to be completed in the Blinbry
Reservoir).

N/2NW/4 SECTION 7 -T18S-R35, NMPM - STATE LEASE B-1306:

Lease Owner - 100% WI

Chevron U.S.A. Inc.
15 Smith Road
Midland, Texas 79705

Royalty Owner - 1/8 Royalty

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148

Wells located on the Lease are the NM "R" State #3, 4, 5, 6, 7 (to be new drills into the Blinebry
Reservoir).

SE/4 SECTION 6-T18S-R35E NMPM - STATE LEASE B-1031:

Lease Owner - 100% WI

Chevron U.S.A. Inc.
15 Smith Road
Midland, Texas 79705

Royalty Owner - 1/8 Royalty

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148

Wells located on the Lease are the NM "AB" State #2 & 9 (Abo Reservoir)

LAND OWNERSHIP STATUS (CONTINUE)

S/2 NE/4 SECTION 8-T18S-R35E – STATE LEASE E-6704:

Lease Owner – 100% WI

Chevron U.S.A. Inc.
15 Smith Road
Midland, Texas 79705
Chaparral Energy Inc. LLC
701 Cedar Lake Boulevard
Oklahoma, OK 73114

Royalty Owner – 1/8 Royalty

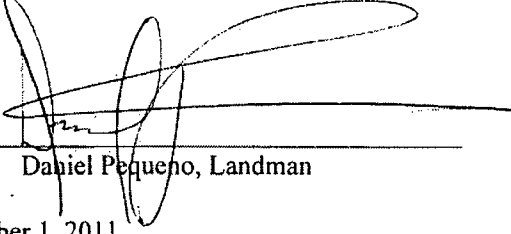
State of New Mexico
Commissioner of Public Lands
P. O. Box 1148

Wells located on the Lease are the Hobbs "N" State #5 (Abo Reservoir) and planned re-completion & activation of the Hobbs "N" #1 (Blinbry Reservoir) located in the NW/4NW/4 of Section 8.

Surface Owner for Sections 6, 7 & 8, T18S-R35E:

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Signed By: _____


Daniel Pequeno, Landman

Date: November 1, 2011



Carolyn Haynie
Petroleum Engineering
Technical Assistant

MidContinent/Alaska SBU
Chevron North America
Exploration and Production
Company
15 Smith Road
Midland, TX 79705
Tel 432-687-7261
Fax 432-687-7558
chay@chevron.com

January 23, 2012

**Re: Commingling Order PLC-103-D
Abo Reef Consolidated Tank Battery
Section 7, T18S, R35E,
Lea County, New Mexico**

**State Of New Mexico
Commissioner of Public Lands
Royalty Interest Owner,**

Chevron U.S.A. Inc. respectfully gives notice of intend to amend the Commingle Order PLC-103-D, by adding additional wells in the Abo Reef Consolidated commingled battery, located in section 7, township 18 south and range 35 east. The Vacuum Blinbry Oil pool, (61850) is currently approved for the battery, and this amendment will add the following wells in the Blinbry formation:

New Mexico R NCT-4 # 3, API # 30-025-40060, New Mexico R NCT-4 # 4, API # 30-025-40061, New Mexico R NCT-4 # 5, API # 30-025-40062, New Mexico R NCT-4 # 6, API # 30-025-40063, New Mexico R NCT-4 # 7, API # 30-025-40122, and State AN #13.

Recompletions being added in the Blinbry formation are the:
State AN # 4, API # 30-025-03104; Hobbs N State #1, API 30-025-03108.

Also, we would like to add the:
Hobbs N State # 2, API 30-025-03109; will be plugged back to the Blinbry within the next 3 months.

Chevron has 100% working interest in all the wells in the battery, and Chevron's intend to amend this commingle will not impact the current value by the proposed action.

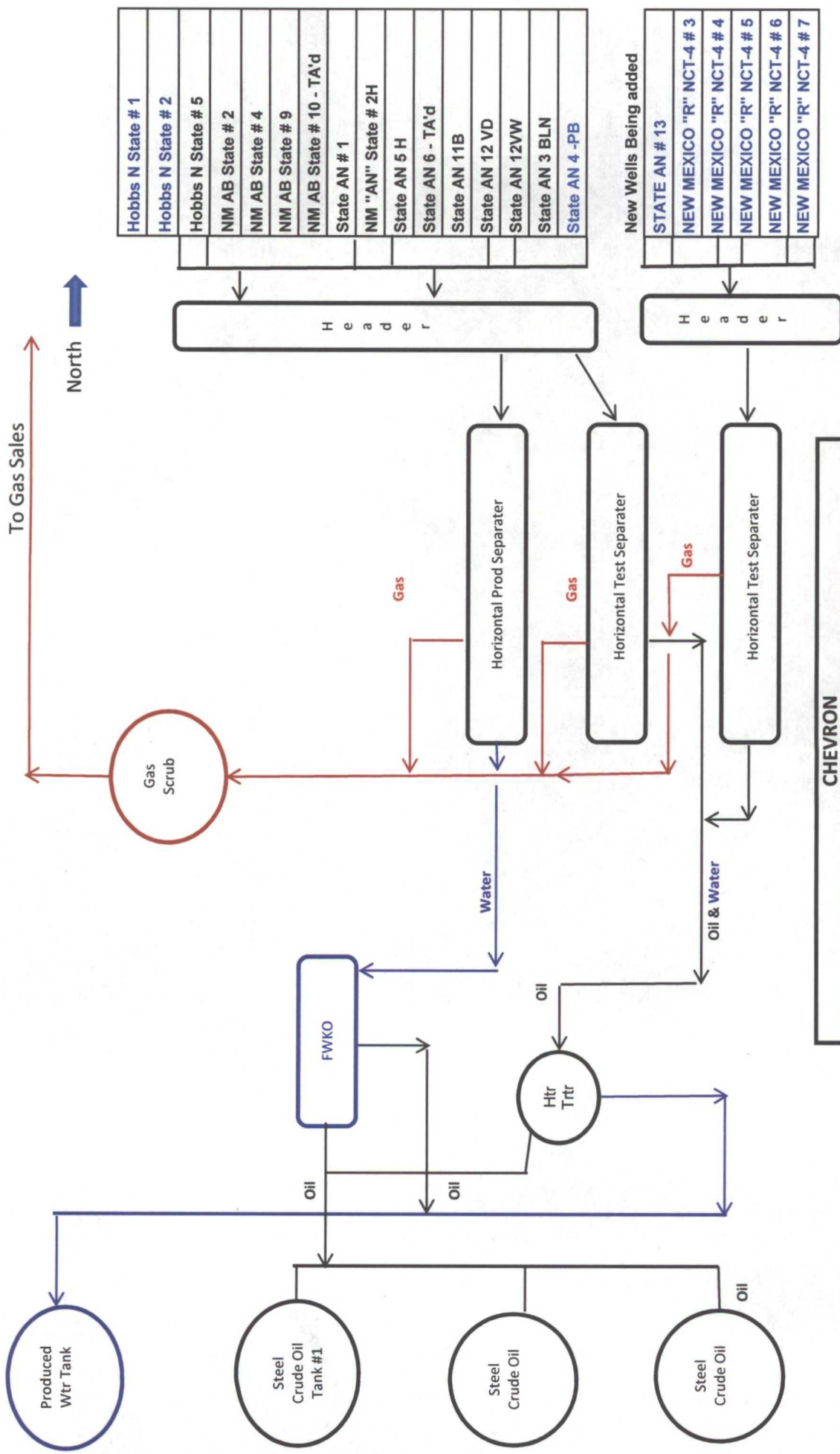
Any objections to this commingle must be sent to the New Mexico Oil Conservation Division; 1220 South St. Francis Drive; Santa Fe, NM 87504, within 20 days of receipt of this notification. If you require additional information, please contact me at 432-687-7261, or by email at: chay@chevron.com.

Sincerely,

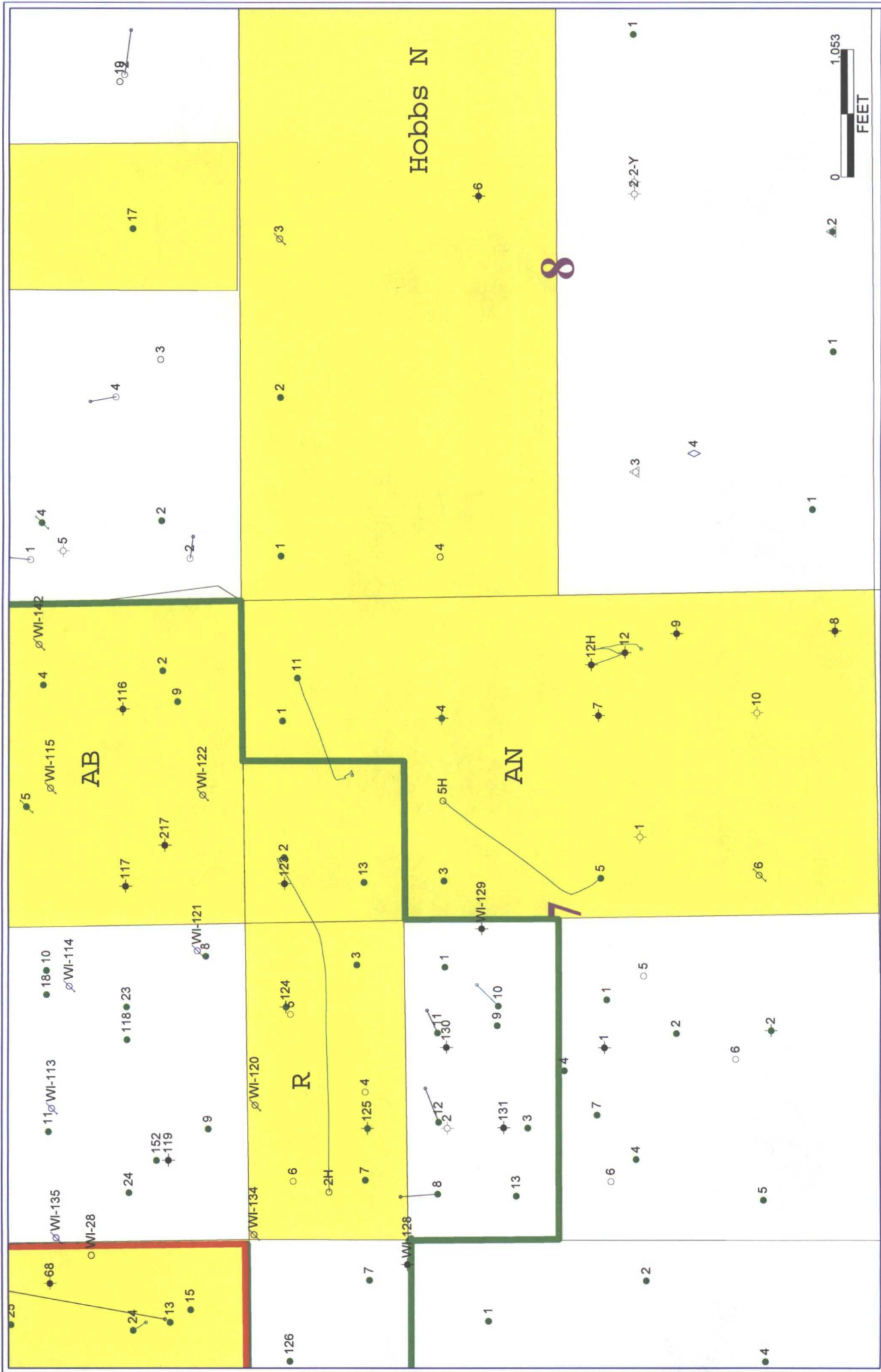
Carolyn Haynie
NM PE Technical Assistant
Enclosure

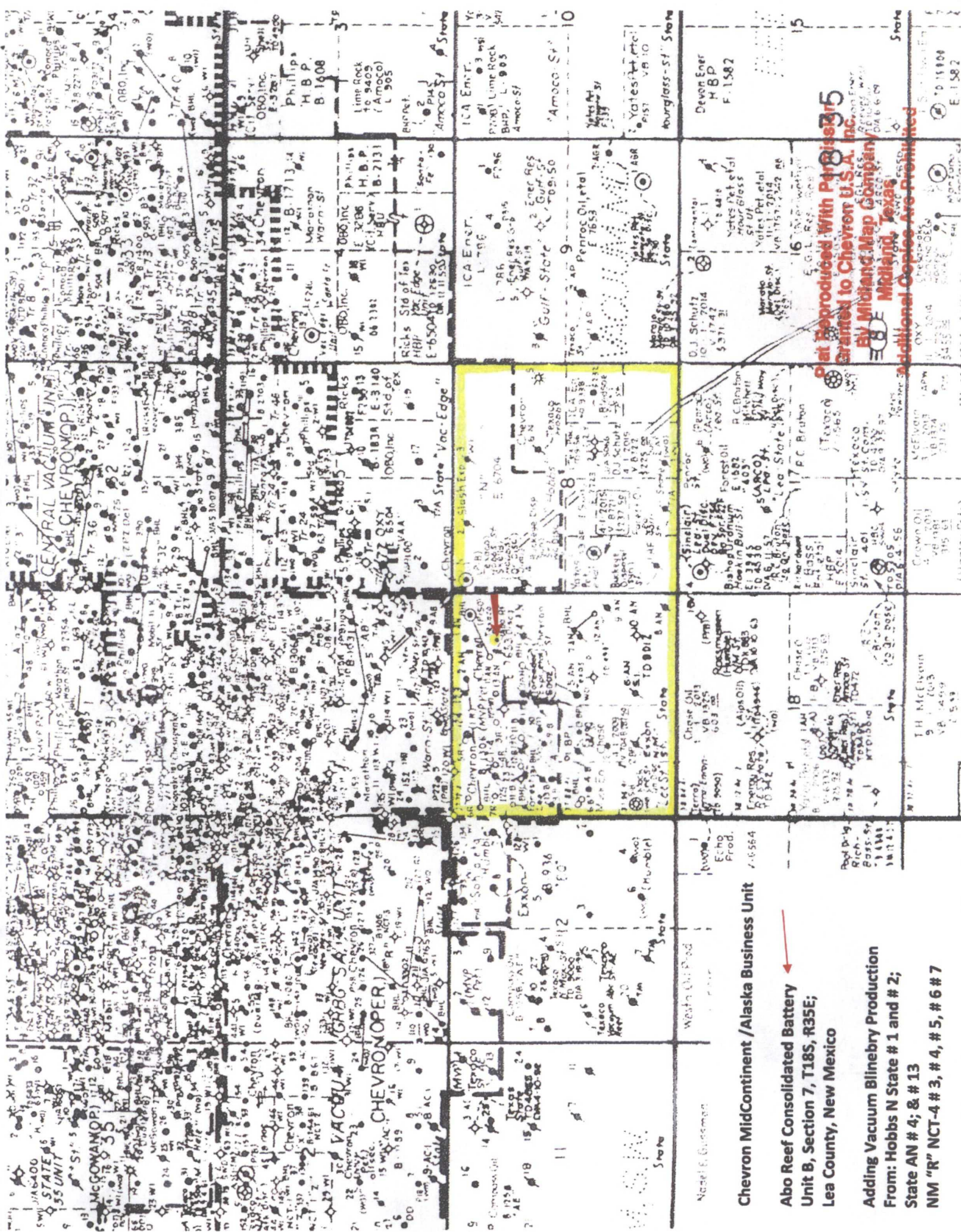
cc: NMOCD – District 1, Hobbs

Lease File
Paul Brown
Nick Moschetti
Alex Rodriguez
Denise Pinkerton



CHEVRON
 ABO REEF CONSOLIDATED COMMINGLED BATTERY
 PROCESS FLOW DIAGRAM
 Section 7, T18S, R35E, Lea County, New Mexico
 12-Dec-11
 Chay





Chevron MidContinent / Alaska Business Unit

Abo Reef Consolidated Battery
Unit B, Section 7, T18S, R35E;
Lea County, New Mexico

Adding Vacuum Blinbry Production
From: Hobbs N State # 1 and # 2;
State AN # 4; & # 13
NM "R" NCT-4 # 3, # 4, # 5, # 6 # 7

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