State of New Mexico
Energy, Minerals and Natural Resources Department

Administrative Order WFX-912
June 21, 2013

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Division Orders R-5871, R-5897, as amended, and R-6856, as amended, ConocoPhillips Company (OGRID No. 217817; "ConocoPhillips") has made application to the Division for permission to add one additional injection well to its East Vacuum Grayburg-San Andres (EVGSA) Unit Waterflood Project located within the Vacuum Grayburg-San Andres Pool (Pool Code 62180) in Lea County, New Mexico. This well is being proposed as an injection well into the Unitized interval, San Andres formation of the EVGSA.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of 19.15.26.8B NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections remain outstanding. The proposed well is eligible for conversion to injection under the terms of that rule. The applicant has presented satisfactory evidence that all requirements prescribed in 19.15.26.8 NMAC have been met and the operator is in compliance with 19.15.5.9 NMAC.

IT IS THEREFORE ORDERED THAT:

ConocoPhillips, as operator, is hereby authorized to inject water into the following well for the purpose of secondary recovery through plastic or fiberglass lined tubing set into a packer:

API	Well No.	Unit	Sec	Twp	N/S	Rng	W/E	Feet	N/S	Ft	E/W
30-025-34025	400	D	33	17	S	35	E	800	N	330	W

The approved injection interval for this well is into the San Andres formation from an approximate perforated depth of 4440 feet to a maximum perforated depth of 4534 feet or the base of the San Andres formation, whichever is less. The approved maximum surface tubing injection pressure shall be **1350 psig for water and 1850 psig for carbon dioxide**. These maximum pressures are the Unit injection allowable based on actual San Andres fracture gradients as applied in Administrative Order No. PMX-246 (approved May 18, 2006). The operator shall set the injection packer no more than 100 feet above the top permitted injection interval.

The division may revoke this injection permit after notice and hearing if the operator is in violation of 19.15.5.9 NMAC.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

Jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the disposal authority granted herein.

JAMI BAILEY
Director

JB/prg

cc: Oil Conservation Division – Hobbs District Office
State Land Office – Oil, Gas, and Minerals Division
Case No. 10779

DATE IN 05/17/13	SUSPENSE	ENGINEER PG	LOGGED IN 05/20/13	TYPE WFX 912	APP NO. pPRG1314033614

ABOVE THIS LINE FOR DIVISION USE ONLY

30-025-34025
East Vacuum
Grayburg San Andres 3308
#400
ConocoPhillips

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

R-5871
R-5897 (as amended)

Additional Orders
PMX-82
PMX-94
PMX-88
PMX-98
PMX-100
PMX-176
PMX-246

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 **Existing: R-6856-A, R6856B; ~~WFX 884~~** Not East Vacuum Or

[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.

Susan Maunder	*See attached C-108 application*	*Senior Reg. Specialist*	May 14, 2013
Print or Type Name	Signature	Title	Date

Susan.B.Maunder@conocophillips.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

RECEIVED OCD

APPLICATION FOR AUTHORIZATION TO INJECT

2013 MAY 17 P 2:22

I. PURPOSE: X Secondary Recovery ____ Pressure Maintenance ____ Disposal ____ Storage
Application qualifies for administrative approval? X Yes ____ No

II. OPERATOR: ConocoPhillips Company

ADDRESS: P.O. Box 51810 Midland, TX 79710-1810

CONTACT PARTY: Susan B. Maunder PHONE: 432-688-6913

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary. Please see the enclosed titled, "proposed injection well activity" & Attachment 1

IV. Is this an expansion of an existing project? X Yes ____ No
If yes, give the Division order number authorizing the project: Administrative order R-6856A, R-6856B, WFX 884

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. Attachment 2 & Attachment 3

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail. Attachment 4 & Attachment 5

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval. Attachment 6

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. Attachment 7& WFX 884

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. Attachment 8

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Susan B. Maunder TITLE: Senior Regulatory Specialist

SIGNATURE: Susan B. Maunder DATE: 5/14/13

E-MAIL ADDRESS: Susan.B.Maunder@conocophillips.com

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: WFX 884 April 2011

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Side 2

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

East Vacuum Grayburg San Andres Cooperative Agreement

Proposed Injection Well Activity

Operator: ConocoPhillips Company
Lease Numbers: B-1400-3
Well Name: East Vacuum Grayburg San Andres 3308-400W

Current Schedule: Well is shut in pending authorization.

Proposal Description:

ConocoPhillips Company plans to place this well into service as an injection well. The well will enhance oil recovery in this part of the field.

The East Vacuum Grayburg San Andres Unit (EVGSAU) is a CO2 or tertiary enhanced oil recovery project located in Lea County, New Mexico. Waterflood operations began in 1980 and full scale CO2 injection began in 1985. The unit, operated by ConocoPhillips, has 189 producing wells and 128 injection wells. Currently, 91 of the injection wells alternate water and CO2 injection while the remaining 37 wells inject only water. All produced gas is processed for NGL removal and reinjected into the San Andres.

Cumulative production in the unit is 289 MMbbls of oil and 538 MMbbls of water. Since 1980, a total of 620 MMbbls of water has been injected and 333 BCF of gas has been injected. Current production rates from the unit are 3,500 BOPD, 700 BNGLPD and 55,000 BWPD. Injection rates are currently averaging 57,000 BWPD and 37 MMCFD of gas.

Information provided in support of this Application for Authorization to Inject is organized in the same order it is requested on Form C-108 and is detailed below.

Section III Well Data: This information is included in Attachment 1.

Section V Map that identifies all wells and leases within 2 miles of proposed injection wells: See Attachment 2.

The map includes a one-half mile radius circle drawn around the proposed injection well (East Vacuum Grayburg San Andres 3308-400W).

Section VI Tabulation of data on all wells within the area of review: A list of wells on which detailed data has already been submitted is included in Attachment 3. Well data on wells within the areas of review which have not been previously submitted are contained in Attachment 4. Well schematics for plugged wells are included in Attachment 5.

Section VII. Data on the proposed operation: Injection Operation Description

1) Proposed average injection rate and Proposed maximum injection rate:
    a. Average: 500 barrels of water per day
    b. Maximum: 1500 barrels of water per day
2) System is closed/open: Open

3) Proposed average and maximum injection pressure psi at surface
    a. Average: : 2100 psi
    b. Maximum: 2150 psi
4) *Source and an appropriate analysis of injection fluid*
    a. Produced water will be used as the injection fluid. A water analysis was submitted in conjunction with prior approval applications.
5) This well will be utilized for enhanced recovery into producing formations.

Section VIII Geologic Data on the Injection Zone

In the East Vacuum GBSA Unit, the range of minimum to maximum depth for these markers is presented in the table below.

The injection zone top depth to the bottom of fresh water zones is within a range of 2600 feet to 2700 feet.

Formation Call	Lithology of the *Injection Zone*	Top (FT MD) *Minimum*	Top (FT MD) *Maximum*	Average Injection Zone Thickness (FT)	*Contents*
Above Top of Rustler				N/A	Fresh water
Rustler		1,536	1,808	N/A	
Salado		1,808	2,712	N/A	
Tansill		2,712	2,844	N/A	
Yates		2,844	3,131	N/A	
Seven Rivers		3,131	3,689	N/A	
Queen		3,689	4,060	N/A	
Grayburg		4,060	4,414	N/A	Oil, gas,Salt Water
San Andres	**Dolograinstone/ Dolopacktone**	**4,414**	**5,928**	**1,514**	**Oil, gas,Salt Water and possible CO2 from EOR injection Program**
San Andres 9 (Injection Zone)		**4,432**	**4,637**	**205**	***Oil, gas,Salt Water and possible CO2 from EOR injection Program***
PBTD			4,778		
Cement Plug		4,778	4,840		
Total Depth			8,150		

Section IX Description of the Propose Stimulation Program
No stimulation of this well is planned. Any future stimulation will be appropriately submitted as stated in OCD regulations.

Section X Logging and Test Data on the Well

Previously submitted.

Section XI Chemical Analysis of Fresh Water from two or more fresh water wells within one mile of any injection well showing location of wells and dates samples were taken.

The two wells that fall within 300 feet of the proposed injection well are as follows; well #2941-S05 & well #3366-S06. Attachment 7 contains water analyses that were provided in support of an administrative approval submitted in 2011. The following wells reviewed in the water analysis are the East Vacuum GSAU #2060-S01, #2864-S02, & #3202-S07.

Section XII Affirmative Statement regarding examination of geologic and engineering data:

These wells are to be used for enhanced hydrocarbon recovery. However, the following statement is provided. Geologist Staff has stated that: "We do not have any evidence that there is any hydrologic connection or open faults between the injection zone and the underground sources of drinking water (USDW)."

Section XIII Proof of Notice

Proof of publication of the public notice for this application is included in Attachment 8.

Attachment 1
East Vacuum Grayburg San Andres Unit Cooperative Agreement Well Data

The following data are provided for the new wells listed below:

East Vacuum Grayburg San Andres 3308-400W: API # 30-025-34025
- C-102 Plat
- Injection Well Data Sheet
- Injection Well Schematic
- Map Showing 0.5 mile radius

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-34025	62180	VACUUM; GRAYBURG SAN ANDRES

[4] Property Code	[5] Property Name	[6] Well Number
31172	EAST VACUUM GRAYBURG SAN ANDRES 3308	400

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	ConocoPhillips Company	3948'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	17S	35E		800	NORTH	330	WEST	LEA

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

[16]

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Susan B. Maunder 5/13/2013
Signature Date

Susan B. Maunder
Printed Name

Susan.B.Maunder@conocophillips.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

Side 1

INJECTION WELL DATA SHEET

OPERATOR: ConocoPhillips Company

WELL NAME & NUMBER: East Vacuum Grayburg San Andres 3308-400W API# 30-025-34025

WELL LOCATION:	800' N & 330' W	D	33	17S	35E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12.25" Casing Size: 8.625"

Cemented with: 650 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: circulated

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7.875" Casing Size: 5.5"

Cemented with: 2750 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: circulated

Total Depth: 8150'

Injection Interval

4440 feet to 4534

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.375" Lining Material: IPC

Type of Packer: 4.5" X 2.375"

Packer Setting Depth: 4387'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes X No

   If no, for what purpose was the well originally drilled? Oil

2. Name of the Injection Formation: Grayburg San Andres

3. Name of Field or Pool (if applicable): Vacuum; Grayburg San Andres

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 7,666'-7,944'

   1st CIBP set @ 7600' w/ 1 sx of cmt, 2nd CIBP set @ 6440', 3rd CIBP set @ 4840' w/ 6 sx of cmt.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

ConocoPhillips

Schematic - Current

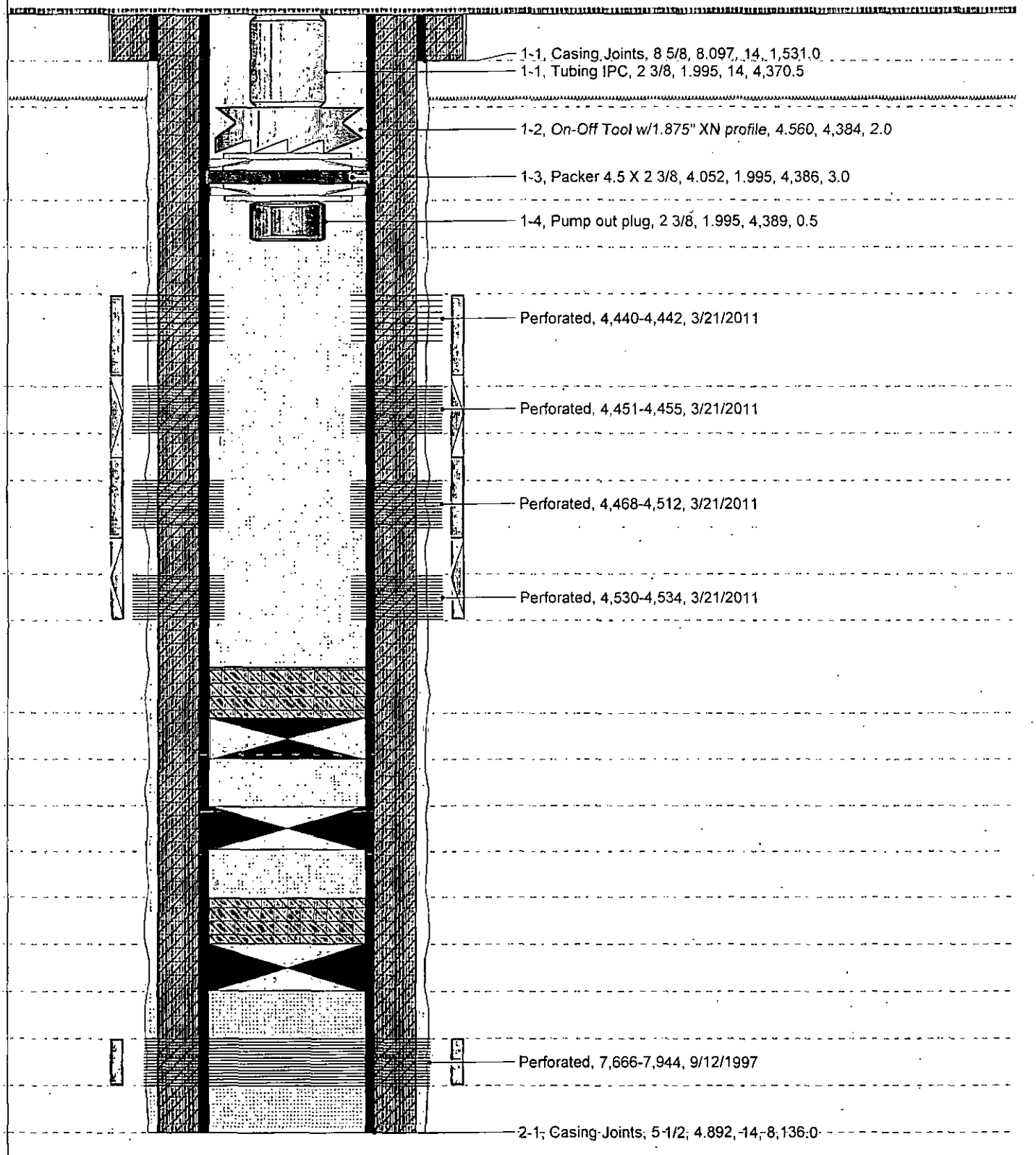
EAST VACUUM GB-SA UNIT 3308-400W

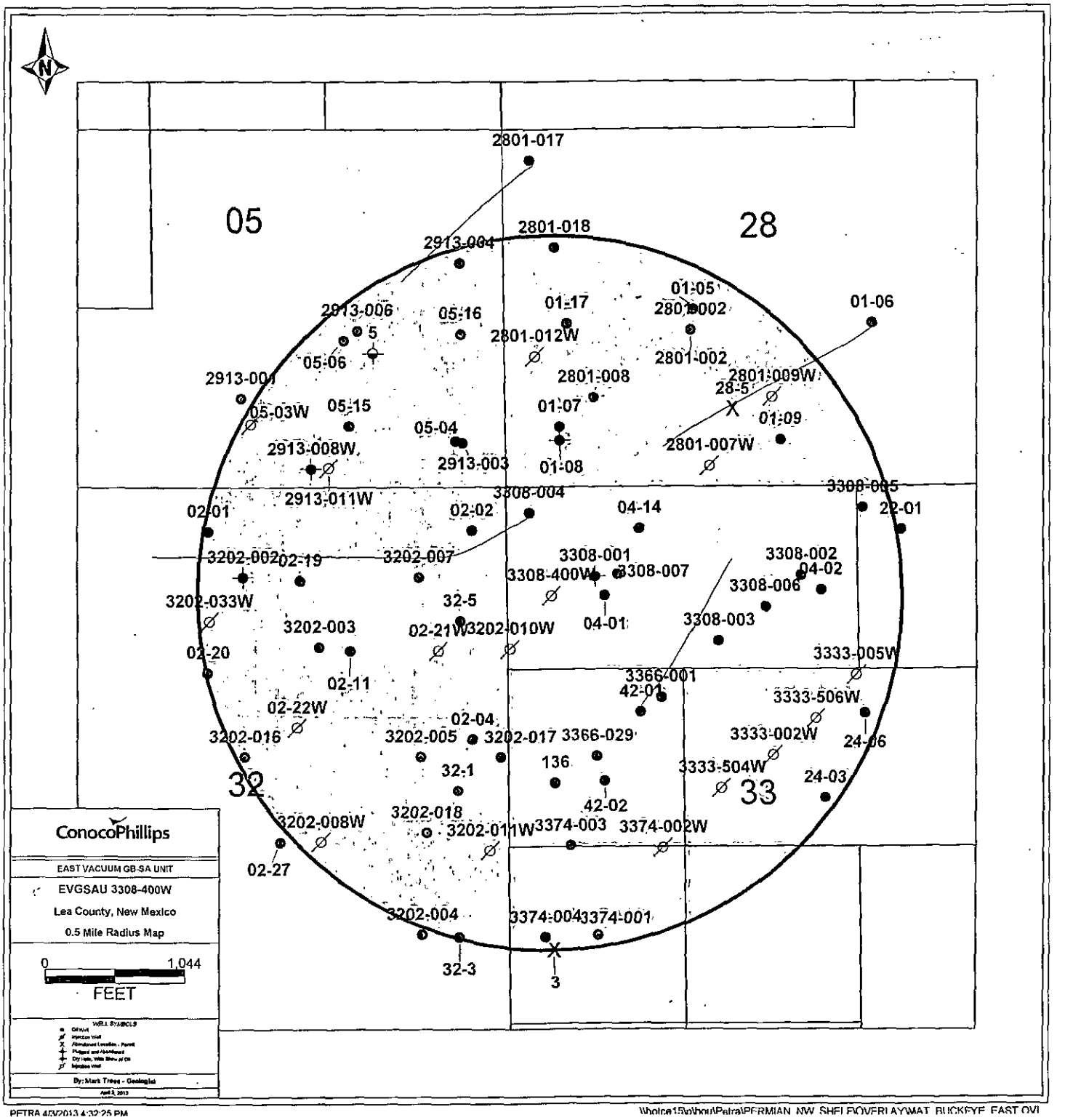
District	Field Name	API / UWI	County	State/Province
PERMIAN	DISTRICT - E. VACUUM SUB-D	300253402500	LEA	NEW MEXICO

Original Spud Date	Surface Legal Location	East/West Distance (ft)	East/West Reference	North/South Distance (ft)	North/South Reference
8/15/1997	Sec. 33, T-17S, R-35E.	330.00	W	800.00	N

Well Config: VERTICAL - Original Hole, 4/23/2013 12:21:42 PM

Schematic - Actual





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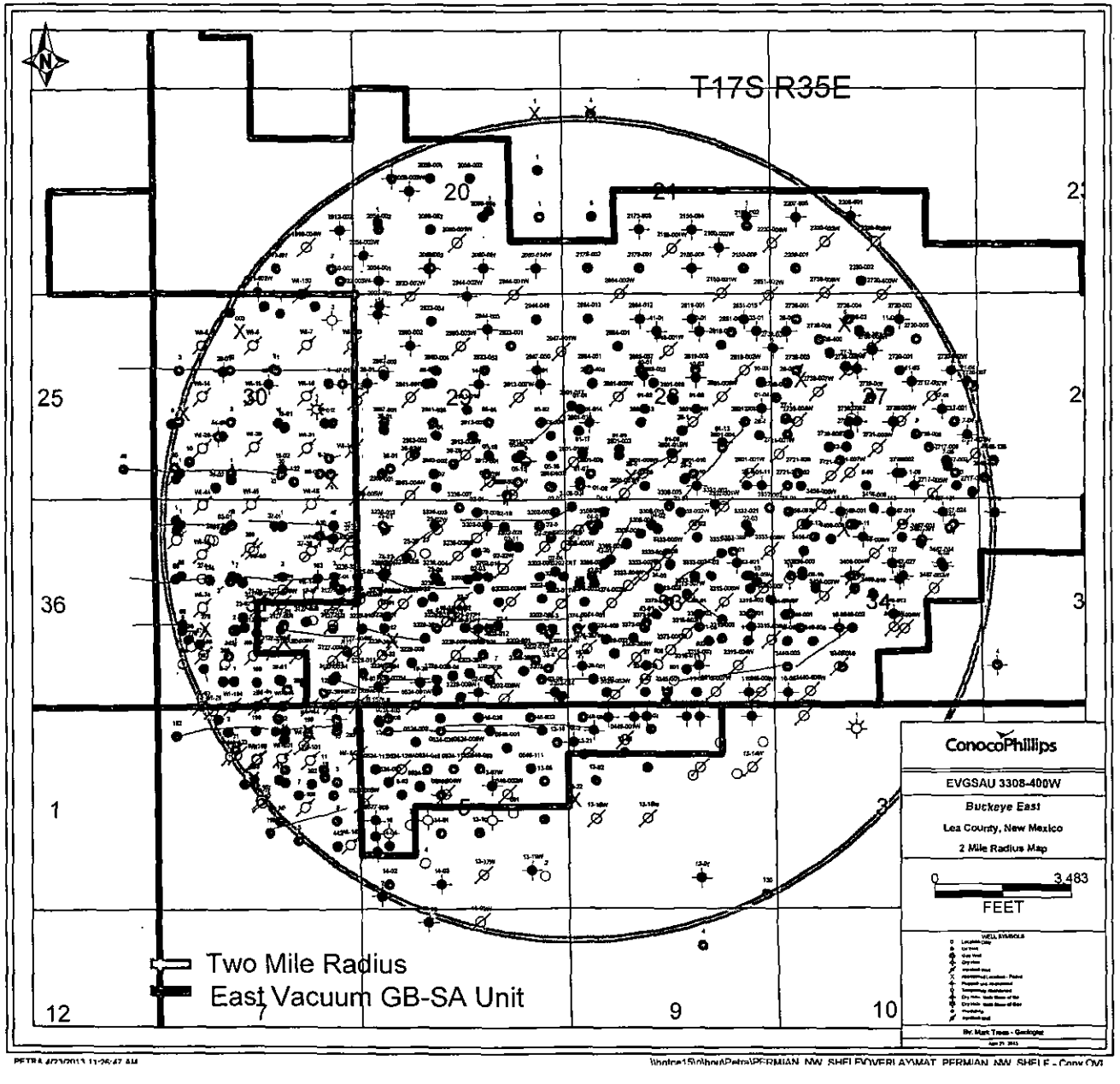
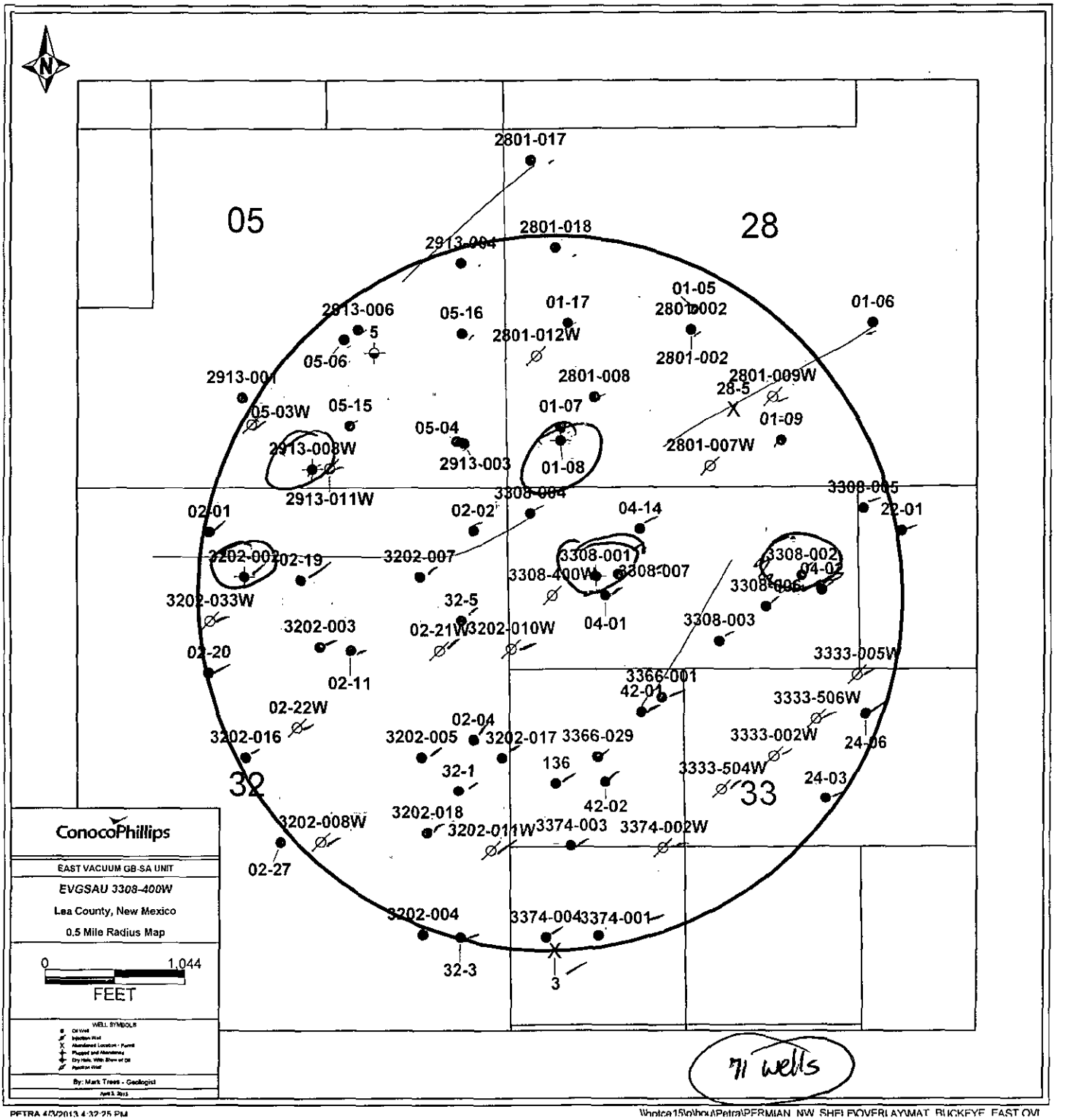
Attachment 2

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28
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3308-006
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02-21W
3202-010W
02-20
3333-005W
02-11
3366-001
42-01
02-22W
3333-506W
02-04
3202-016
3202-005
3202-017
3366-029
3333-002W
24-06
136
3333-504W
32-1
24-03
42-02
3202-018
3202-008W
3202-011W
3374-003
3374-002W
02-27
3202-004
3374-004
3374-001
32-3
3
ConocoPhillips
EAST VACUUM GB-SA UNIT
EVGSAU 3308-400W
Lea County, New Mexico
0.5 Mile Radius Map
0
1,044
FEET
WELL SYMBOLS
Oil Well
Injection Well
Abandoned Location - Permit
Plugged and Abandoned
Dry Hole, With Show of Oil
Injection Well
By: Mark Trees - Geologist
71 wells

API / UWI	Legal WellName	Lease	Orig Spud Date	Measured Depth	Well Status	Surface Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref	Casing Description	Set Depth (ft KB)	String OD (in)	Operator	Prod/Inj Type	SKS CEMENT	CEMENT TOP	METHOD
3002502927	East Vacuum GB/SA 2913-004	EVGSAU	3/4/1940	4588	Active	Sec. 29, T17S, R35E	1650	S	330	E	Surface	1608	8.625	ConocoPhillips	Oil Production	650	Surface	Circulated
3002502927	East Vacuum GB/SA 2913-004	EVGSAU	3/4/1940	4588	Active	Sec. 29, T17S, R35E	1650	S	330	E	Production	4176	5.5	ConocoPhillips	Oil Production	275	2500	unkown
3002532337	East Vacuum GB/SA 2801-018	EVGSAU	1/22/1993	4800	Active	Sec. 28, T17S, R35E	1750	S	300	W	Surface	1625	8.625	ConocoPhillips	Oil Production	800	Surface	Circulated
3002532337	East Vacuum GB/SA 2801-018	EVGSAU	1/22/1993	4800	Active	Sec. 28, T17S, R35E	1750	S	300	W	Production	4800	5.5	ConocoPhillips	Oil Production	1150	Surface	Circulated
3002537434	Vacuum Glorieta East Unit 05-16	Vacuum Glorieta East Unit	2/8/2006	6350	Active	Sec. 29, T17S, R35E	1130	S	330	E	Surface	1472	8.625	ConocoPhillips	Oil Production	740	Surface	Circulated
3002537434	Vacuum Glorieta East Unit 05-16	Vacuum Glorieta East Unit	2/8/2006	6350	Active	Sec. 29, T17S, R35E	1130	S	330	E	Production	6637	5.5	ConocoPhillips	Oil Production	1170	Surface	Circulated
3002537847	Vacuum Glorieta East Unit 001-17	Vacuum Glorieta East Unit	8/20/2006	6398	Active	Sec. 28, T17S, R35E	1202	S	466	W	Surface	1599	8.625	ConocoPhillips	Oil Production	900	Surface	Circulated
3002537847	Vacuum Glorieta East Unit 001-17	Vacuum Glorieta East Unit	8/20/2006	6398	Active	Sec. 28, T17S, R35E	1202	S	466	W	Production	6398	5.5	ConocoPhillips	Oil Production	1750	Surface	Circulated
3002530436	Vacuum Glorieta East Unit 01-05	Vacuum Glorieta East Unit	10/23/1988	6309	Active	Sec. 28, T17S, R35E	1286	S	1333	W	Surface	471	13.375	ConocoPhillips	Oil Production	500	Surface	Circulated
3002530436	Vacuum Glorieta East Unit 01-05	Vacuum Glorieta East Unit	10/23/1988	6309	Active	Sec. 28, T17S, R35E	1286	S	1333	W	Intermediate	4739	8.625	ConocoPhillips	Oil Production	1200	1000	Unknown
3002530436	Vacuum Glorieta East Unit 01-05	Vacuum Glorieta East Unit	10/23/1988	6309	Active	Sec. 28, T17S, R35E	1286	S	1333	W	Production	6300	5.5	ConocoPhillips	Oil Production	350	3773	Temp Survey
3002526225	East Vacuum GB/SA 2801-002	EVGSAU	8/4/1979	4900	Active	Sec. 28, T17S, R35E	1140	S	1310	W	Surface	366	13.375	ConocoPhillips	Oil Production	675	Surface	Circulated
3002526225	East Vacuum GB/SA 2801-002	EVGSAU	8/4/1979	4900	Active	Sec. 28, T17S, R35E	1140	S	1310	W	Production	4900	7	ConocoPhillips	Oil Production	1846	Surface	Circulated
30025263850	EAST VACUUM GB-SA UNIT 2913-006	EVGSAU	9/28/1979	4800	Active	Sec. 29, T-17S, R-35E.	1,145	S	1,180	E	Surface	375	9 5/8	ConocoPhillips	Oil Production	290	Surface	Circulated
3002526385	EAST VACUUM GB-SA UNIT 2913-006	EVGSAU	9/28/1979	4800	Active	Sec. 29, T-17S, R-35E.	1,145	S	1,180	E	Production	4790	7	ConocoPhillips	Oil Production	1365	Surface	Circulated
3002532365	Vacuum Glorieta East Unit 005-06	Vacuum Glorieta East Unit	2/24/1994	6300	Active	Sec. 29, T17S, R35E	1085	S	1210	E	Surface	1571	8.625	ConocoPhillips	Oil Production	800	Surface	Circulated
3002532365	Vacuum Glorieta East Unit 005-06	Vacuum Glorieta East Unit	2/24/1994	6300	Active	Sec. 29, T17S, R35E	1085	S	1210	E	Production	6300	5.5	ConocoPhillips	Oil Production	1550	Surface	Circulated
3002520829	Vacuum Glorieta East Unit 005-03	Vacuum Glorieta East Unit	6/7/1964	6301	Active	Sec. 29, T17S, R35E	460	S	1980	E	Surface	1632	8.625	ConocoPhillips	Injection	800	Surface	Circulated
3002520829	Vacuum Glorieta East Unit 005-03	Vacuum Glorieta East Unit	6/7/1964	6301	Active	Sec. 29, T17S, R35E	460	S	1980	E	Production	6301	4.5	ConocoPhillips	Injection	880	4012	unknown
3002537433	Vacuum Glorieta East Unit 005-15	Vacuum Glorieta East Unit	1/14/2006	6350	Active	Sec. 29, T17S, R35E	457	S	1174	E	Surface	1543	8.625	ConocoPhillips	Oil Production	740	Surface	Circulated
3002537433	Vacuum Glorieta East Unit 005-15	Vacuum Glorieta East Unit	1/14/2006	6350	Active	Sec. 29, T17S, R35E	457	S	1174	E	Production	6331	5.5	ConocoPhillips	Oil Production	1465	Surface	Circulated
3002520831	Vacuum Glorieta East Unit 005-04	Vacuum Glorieta East Unit	8/10/1964	6250	Active	Sec. 29, T17S, R35E	330	S	450	E	Surface	1629	8.625	ConocoPhillips	Oil Production	800	Surface	Circulated
3002520831	Vacuum Glorieta East Unit 005-04	Vacuum Glorieta East Unit	8/10/1964	6250	Active	Sec. 29, T17S, R35E	330	S	450	E	Production	6250	4.5	ConocoPhillips	Oil Production	400	Surface	Circulated
30025029260	EAST VACUUM GB-SA UNIT 2913-003	EVGSAU	9/4/1939	4590	Active	Sec. 29, T-17S, R-35E	330	S	330	E	Surface	1582	8 5/8	ConocoPhillips	Oil Production	650	Surface	Circulated
30025029260	EAST VACUUM GB-SA UNIT 2913-003	EVGSAU	9/4/1939	4590	Active	Sec. 29, T-17S, R-35E	330	S	330	E	Production	4188	5 1/2	ConocoPhillips	Oil Production	275	Unknown	Unknown
30025267800	EAST VACUUM GB-SA UNIT 2801-012W	EVGSAU	5/22/1980	4772	Active	Sec 28, T-17-S, R-35-E	950	S	150	W	Surface	368	8 5/8	ConocoPhillips	INJECTION	400	Surface	Circulated
30025267800	EAST VACUUM GB-SA UNIT 2801-012W	EVGSAU	5/22/1980	4772	Active	Sec 28, T-17-S, R-35-E	950	S	150	W	Production	4771	5 1/2	ConocoPhillips	INJECTION	1500	Surface	Circulated
30025029090	EAST VACUUM GB-SA UNIT 2801-008	EVGSAU	8/10/1939	4660	Active	Sec. 28, T-17S, R-35E	660	S	660	W	Surface	242	10 3/4	ConocoPhillips	Oil Production	125	Surface	Unknown
30025029090	EAST VACUUM GB-SA UNIT 2801-008	EVGSAU	8/10/1939	4660	Active	Sec. 28, T-17S, R-35E	660	S	660	W	Intermediate	1573	7 5/8	ConocoPhillips	Oil Production	400	Surface	Unknown
30025029090	EAST VACUUM GB-SA UNIT 2801-008	EVGSAU	8/10/1939	4660	Active	Sec. 28, T-17S, R-35E	660	S	660	W	Production	4150	5 1/2	ConocoPhillips	Oil Production	250	Surface	Unknown
3002502910	East Vacuum GB/SA 2801-009W	EVGSAU	9/9/1939	4660	Active	Sec. 28, T-17S, R-35E	660	S	1992	W	Surface	242	10 3/4	ConocoPhillips	INJECTION	125	Surface	Circulated
3002502910	East Vacuum GB/SA 2801-009W	EVGSAU	9/9/1939	4660	Active	Sec. 28, T-17S, R-35E	660	S	1992	W	Intermediate	1579	7 5/8	ConocoPhillips	INJECTION	400	350	Calculated
3002502910	East Vacuum GB/SA 2801-009W	EVGSAU	9/9/1939	4660	Active	Sec. 28, T-17S, R-35E	660	S	1992	W	Production	4148	5 1/2	ConocoPhillips	INJECTION	Unknown	Unknown	Unknown
3002520717	Vacuum Glorieta East Unit 001-09	Vacuum Glorieta East Unit	5/11/1964	6200	Active	Sec. 28, T-17S, R-35E	330	S	1980	W	Surface	1587	7 5/8	ConocoPhillips	Oil Production	600	Surface	Circulated
3002520717	Vacuum Glorieta East Unit 001-09	Vacuum Glorieta East Unit	5/11/1964	6200	Active	Sec. 28, T-17S, R-35E	330	S	1980	W	Production	6200	4 1/2	ConocoPhillips	Oil Production	850	3110	Temp Survey
3002530805	Vacuum Glorieta East Unit 001-07	Vacuum Glorieta East Unit	3/23/1990	6310	Active	Sec. 28, T17S, R35E	430	S	330	w	Surface	460	13.375	ConocoPhillips	Oil Production	176	Surface	Circulated
3002530805	Vacuum Glorieta East Unit 001-07	Vacuum Glorieta East Unit	3/23/1990	6310	Active	Sec. 28, T17S, R35E	430	S	330	w	Intermediate	4808	8 625	ConocoPhillips	Oil Production	1425	Surface	Circulated
3002530805	Vacuum Glorieta East Unit 001-07	Vacuum Glorieta East Unit	3/23/1990	6310	Active	Sec. 28, T17S, R35E	430	S	330	w	Production	6308	5.5	ConocoPhillips	Oil Production	350	4300	Temp Survey
3002520722	Vacuum Glorieta East Unit 001-08	Vacuum Glorieta East Unit	5/29/1964	6220	P & A	Sec. 28, T17S, R35E	330	S	330	W	Surface	1596	7.625	ConocoPhillips	Oil Production	500	Surface	Circulated
3002520722	Vacuum Glorieta East Unit 001008	Vacuum Glorieta East Unit	5/29/1964	6220	P & A	Sec. 28, T17S, R35E	330	S	330	W	Production	6220	4.5	ConocoPhillips	Oil Production	UNK	Surface	Circulated
3002526384	East Vacuum GB/SA 2801-007W	EVGSAU	9/2/1979	4776	Active	Sec. 28, T-17S, R-35E	138	S	1450	W	Surface	354	13.375	ConocoPhillips	Injection	675	Surface	Circulated
3002526384	East Vacuum GB/SA 2801-007W	EVGSAU	9/2/1979	4776	Active	Sec. 28, T-17S, R-35E	138	S	1450	W	Production	4776	5 1/2	ConocoPhillips	Injection	1100	Surface	Circulated
30025263860	EAST VACUUM GB-SA UNIT 2913-008	EVGSAU	7/18/1990	4800	P & A	Sec. 29, T-17S, R-35E.	130.00	S	1,533.00	E	Surface	351	8 5/8	ConocoPhillips	INJECTION	375	Surface	Circulated
30025263860	EAST VACUUM GB-SA UNIT 2913-008	EVGSAU	7/18/1990	4800	P & A	Sec. 29, T-17S, R-35E.	130.00	S	1,533.00	E	Production	4800	5 1/2	ConocoPhillips	INJECTION	1712	Surface	Circulated
30025307750	EAST VACUUM GB-SA UNIT 2913-011W	EVGSAU	2/26/1990	4800	Active	Sec. 29, T-17S, R-35E	130	S	1,400.00	E	Surface	1600	13 3/8	ConocoPhillips	INJECTION	1200	Surface	Circulated
30025307750	EAST VACUUM GB-SA UNIT 2913-011W	EVGSAU	2/26/1990	4800	Active	Sec. 29, T-17S, R-35E	130	S	1,400.00	E	Production	4800	5 1/2	ConocoPhillips	INJECTION	3100	Surface	Circulated
3002520720	Vacuum Glorieta East Unit 002-01	Vacuum Glorieta East Unit	6/9/1964	6225	Active	Sec. 32 ,T17S ,R35E	330	N	2306	E	Surface	1580	8.625	ConocoPhillips	Oil Production	750	Surface	Circulated
3002520720	Vacuum Glorieta East Unit 002-01	Vacuum Glorieta East Unit	6/9/1964	6225	Active	Sec. 32 ,T17S ,R35E	330	N	2306	E	Production	6223	4.5	ConocoPhillips	Oil Production	900	2701	Temp Survey
30025207180	VACUUM GLORIETA EAST UNIT 002-02	VACUUM GLORIETA EAST	5/15/1964	6200	Active	Sec 32 ,T-17-S ,R 35 E	330	N	330	E	Surface	1544	8 5/8	ConocoPhillips	Oil Production	750	Surface	Circulated
30025207180	VACUUM GLORIETA EAST UNIT 002-02	VACUUM GLORIETA EAST	5/15/1964	6200	Active	Sec 32 ,T-17-S ,R 35 E	330	N	330	E	Production	6200	4 1/2	ConocoPhillips	Oil Production	900	2600	Temp Survey
3002526655	East Vacuum GB/SA 3308-004	EVGSAU	3/1/1980	4800	Active	Sec 32 ,T-17-S ,R 35 E	200	N	100	W	Surface	350	9.625	ConocoPhillips	Oil Production	400	Surface	Circulated
3002526655	East Vacuum GB/SA 3308-004	EVGSAU	3/1/1980	4800	Active	Sec 32 ,T-17-S ,R 35 E	200	N	100	W	Production	4800	7	ConocoPhillips	Oil Production	1689	Surface	Circulated
3002537432	Vacuum Glorieta East Unit 004-14	Vacuum Glorieta East Unit	3/2/2006	6350	Active	Sec. 33, T17S, R35E	308	N	990	W	Surface	1430	8.625	ConocoPhillips	Oil Production	750	Surface	Circulated
3002537432	Vacuum Glorieta East Unit 004-14	Vacuum Glorieta East Unit	3/2/2006	6350	Active	Sec. 33, T17S, R35E	308	N	990	W	Production	6334	5.5	ConocoPhillips	Oil Production	1270	Surface	Circulated
3002526654	East Vacuum GB/SA 3308-005	EVGSAU	3/27/1980	4800	Active	Sec. 33, T17S, R35E	175	N	2600	W	Surface	356	9.625	ConocoPhillips	Oil Production	400	Surface	Circulated
3002526654	East Vacuum GB/SA 3308-005	EVGSAU	3/27/1980	4800	Active	Sec. 33, T17S, R35E	175	N	2600	W	Production	4800	7	ConocoPhillips	Oil Production	1000	Surface	Circulated
30025029630	EAST VACUUM GB-SA UNIT 3202-002	EVGSAU	1/28/1939	4675	P & A	Sec. 32, T-17S, R-35E	660	N	1977	W	Surface	220	10 3/4	ConocoPhillips	Oil Production	125	Unknown	Unknown
30025029630	EAST VACUUM GB-SA UNIT 3202-002	EVGSAU	1/28/1939	4675	P & A	Sec. 32, T-17S, R-35E	660	N	1977	W	Intermediate	1551	7 5/8	ConocoPhillips	Oil Production	400	Unknown	Unknown
30025029630	EAST VACUUM GB-SA UNIT 3202-002	EVGSAU	1/28/1939	4675	P & A	Sec. 32, T-17S, R-35E	660	N	1977	W	Production	4150	5 1/2	ConocoPhillips	Oil Production	250	Unknown	Unknown
3002537849	Vacuum Glorieta East Unit 002-19	Vacuum Glorieta East Unit	7/7/2006	6380	Active	Sec. 32, T17S, R35E	685	N	1550	E	Surface	1099	8.625	ConocoPhillips	Oil Production	740	Surface	Circulated
3002537849	Vacuum Glorieta East Unit 002-19	Vacuum Glorieta East Unit	7/7/2006	6380	Active	Sec. 32, T17S, R35E	685	N	1550	E	Production	6367	5.5	ConocoPhillips	Oil Production	1425	Surface	Circulated
30025029670	EAST VACUUM GB-SA UNIT 3202-007	EVGSAU	7/13/1939	4665	Active	Sec. 32, T-17-S, R. 35-E	660	N	662	E	Surface	243	10 3/4	ConocoPhillips	Oil Production	125	Unknown	Unknown
30025029670	EAST VACUUM GB-SA UNIT 3202-007	EVGSAU	7/13/1939	4665	Active	Sec. 32, T-17-S, R. 35-E	660	N	662	E	Intermediate	1547	7 5/8	ConocoPhillips	Oil Production	400	Unknown	Unknown
30025029670	EAST VACUUM GB-SA UNIT 3202-007	EVGSAU	7/13/1939	4665	Active	Sec. 32, T-17-S, R. 35-E	660	N	662	E	Production	4148	5 1/2	ConocoPhillips	Oil Production	250	Unknown	Unknown
3002534025	East Vacuum GB/SA 3308-400W	EVGSAU	8/15/1997	8150	Active	Sec. 32, T-17-S, R. 35-E	800	N	330	W	Surface	1545	8.625	ConocoPhillips	Injection	650	Surface	Circulated
3002534025	East Vacuum GB/SA 3308-400W	EVGSAU	8/15/1997	8150	Active	Sec. 32, T-17-S, R. 35-E	800	N	330	W	Production	8150	5.5	ConocoPhillips	Injection	2750	Surface	Circulated
30025029950	EAST VACUUM GB-SA UNIT 3308-001	EVGSAU	6/1/1939	4655	P & A	Sec. 33, T17S, R35E	660	N	660	W	Surface	1500	7 5/8	ConocoPhillips	Oil Production	550	Unknown	Unknown
30025029950	EAST VACUUM GB-SA UNIT 3308-001	EVGSAU	6/1/1939	4655	P & A	Sec. 33, T17S, R35E	660	N	660	W	Production	4120	5 1/2	ConocoPhillips	Oil Production	350	Unknown	Unknown
30025322190	EAST VACUUM GB-SA UNIT 3308-007	EVGSAU	9/25/1993	4800	Active	Sec. 33, T-17-S, R.35-E	660	N	760	W	Surface	1575	8 5/8	ConocoPhillips	Oil Production	800	Surface	Circulated
30025322190	EAST VACUUM GB-SA UNIT 3308-007	EVGSAU	9/25/1993	4800	Active	Sec. 33, T-17-S, R.35-E	660	N	760	W	Production	4800	5 1/2	ConocoPhillips	Oil Production	1130	220	Temp Survey
3002502996	East Vacuum GB/SA 3308-002	EVGSAU	7/24/1939	4648	Active	Sec. 33, T17S, R35E	660	N	2200	W	Surface	1555	7.625	ConocoPhillips	Oil Production	600	Surface	Circulated
3002502996	East Vacuum GB/SA 3308-002	EVGSAU	7/24/1939	4648	Active	Sec. 33, T17S, R35E	660	N	2200	W	Production	4110	5.5	ConocoPhillips	Oil Production	580	1600 -2500	Calculated
3002520855	Vacuum Glorieta East Unit 004-02	Vacuum Glorieta East Unit	7/8/1964	6300	Active	Sec. 33, T17S, R35E	779	N	2285	W	Surface	1610	8 5/8	ConocoPhillips	Oil Production	1000	Surface	Circulated
3002520855	Vacuum Glorieta East Unit 004-02	Vacuum Glorieta East Unit	7/8/1964	6300	Active	Sec. 33, T17S, R35E	779	N	2285	W	Production	6300	4 1/2	ConocoPhillips	Oil Production	800	850	Temp Survey
3002532062	East Vacuum GB/SA 3308-006	EVGSAU	11/13/1993	4820	Active	Sec. 33, T17S, R35E	900	N	1860	w	Surface	1600	8 5/8	ConocoPhillips	Oil Production	950	Surface	Circulated
3002532062	East Vacuum GB/SA 3308-006	EVGSAU	11/13/1993	4820	Active	Sec. 33, T17S, R35E	900	N	1860	w	Production	4820	5 1/2	ConocoPhillips	Oil Production	1125	Surface	Circulated
3002523903	East Vacuum GB/SA 3202-033W	EVGSAU	10/25/1971	4750	Active	Sec. 32, T17S, R35E	990	N	2306	E	Surface	1592	8.625	ConocoPhillips	Injection	800	Surface	Circulated
3002523903	East Vacuum GB/SA 3202-033W	EVGSAU	10/25/1971	4750	Active	Sec. 32, T17S, R35E	990	N	2306	E	Production	4750	5.5	ConocoPhillips	Injection	280	Unknown	Unknown

3002526228	East Vacuum GB/SA 3202-003	EVGSAU	7/4/1979	4900	Active	Sec. 32, T17S, R35E	1180	N	1480	E	Surface	354	13.375	ConocoPhillips	Oil Production	675	Unknown		Unknown
3002526228	East Vacuum GB/SA 3202-003	EVGSAU	7/4/1979	4900	Active	Sec. 32, T17S, R35E	1180	N	1480	E	Production	4885	7	ConocoPhillips	Oil Production	1630	Surface		Circulated
3002520856	Vacuum Glorieta East Unit 04-01	Vacuum Glorieta East Unit	7/21/1964	6300	Active	Sec. 33, T17S, R35E	810	N	660	W	Surface	1605	8.625	ConocoPhillips	Oil Production	770	Surface		Circulated
3002520856	Vacuum Glorieta East Unit 04-01	Vacuum Glorieta East Unit	7/21/1964	6300	Active	Sec. 33, T17S, R35E	810	N	660	W	Production	6300	4.5	ConocoPhillips	Oil Production	865		2695	Temp Survey
3002526231	East Vacuum GB/SA 3308-003	EVGSAU	7/10/1979	4900	Active	Sec. 33, T17S, R35E	1150	N	1510	W	Surface	365	13.375	ConocoPhillips	Oil Production	675	Surface		Circulated
3002526231	East Vacuum GB/SA 3308-003	EVGSAU	7/10/1979	4900	Active	Sec. 33, T17S, R35E	1150	N	1510	W	Production	4893	7	ConocoPhillips	Oil Production	2000	Surface		Circulated
3002526680	East Vacuum GB/SA 3333-005W	EVGSAU	4/10/1980	4800	Active	Sec. 33, T17S, R35E	1440	N	2550	W	Surface	360	8 5/8	ConocoPhillips	Injection	400	Surface		Circulated
3002526680	East Vacuum GB/SA 3333-005W	EVGSAU	4/10/1980	4800	Active	Sec. 33, T17S, R35E	1440	N	2550	W	Production	4798	5 1/2	ConocoPhillips	Injection	1000	Surface		Circulated
3002526680	East Vacuum GB/SA 3333-005W	EVGSAU	4/10/1980	4800	Active	Sec. 33, T17S, R35E	1440	N	2550	W	Production	4380	4 1/2	ConocoPhillips	Injection	Unknown	Surface		Circulated
3002537850	Vacuum Glorieta East Unit 002-20	Vacuum Glorieta East Unit	3/19/2007	6350	Active	Sec. 32, T17S, R35E	1353	N	2260	E	Surface	1635	8.625	ConocoPhillips	Oil Production	900	Surface		Circulated
3002537850	Vacuum Glorieta East Unit 002-20	Vacuum Glorieta East Unit	3/19/2007	6350	Active	Sec. 32, T17S, R35E	1353	N	2260	E	Production	6345	5.5	ConocoPhillips	Oil Production	1500	Surface		Circulated
3002532363	Vacuum Glortieta East Unit 002-11	Vacuum Glorieta East Unit	1/16/1994	6350	Active	Sec. 32, T17S, R35E	1200	N	1185	E	Surface	1575	8.625	ConocoPhillips	Oil Production	900	Surface		Circulated
3002532363	Vacuum Glortieta East Unit 002-11	Vacuum Glorieta East Unit	1/16/1994	6350	Active	Sec. 32, T17S, R35E	1200	N	1185	E	Production	6350	5.5	ConocoPhillips	Oil Production	1865	Surface		Circulated
3002537851	Vacuum Glorieta East Unit 002-21W	Vacuum Glorieta East Unit	4/16/2007	6345	Active	Sec. 32, T17S, R35E	1200	N	525	E	Surface	1596	8.625	ConocoPhillips	Injection	850	Surface		Circulated
3002537851	Vacuum Glorieta East Unit 002-21W	Vacuum Glorieta East Unit	4/16/2007	6345	Active	Sec. 32, T17S, R35E	1200	N	525	E	Production	6329	5.5	ConocoPhillips	Injection	1700	Surface		Circulated
300252760600	EAST VACUUM GB-SA UNIT 3202-010W	EVGSAU	11/10/1981	5100	Active	Sec 32, T-17-S, R-35-E	1,200.00	N	50	E	Surface	362	13 3/8	ConocoPhillips	INJECTION	600	Surface		Circulated
300252760600	EAST VACUUM GB-SA UNIT 3202-010W	EVGSAU	11/10/1981	5100	Active	Sec 32, T-17-S, R-35-E	1,200.00	N	50	E	Intermediate	3245	8 5/8	ConocoPhillips	INJECTION	1400	Surface		Circulated
300252760600	EAST VACUUM GB-SA UNIT 3202-010W	EVGSAU	11/10/1981	5100	Active	Sec 32, T-17-S, R-35-E	1,200.00	N	50	E	Production	5100	5 1/2	ConocoPhillips	INJECTION	560		2610	Unknown
3002532063	East Vacuum GB/SA 3366-001	EVGSAU	10/6/1996	4825	Active	Sec. 33, T17S, R35E	1560	N	1080	W	Surface	1575	8 5/8	ConocoPhillips	Oil Production	800	Surface		Circulated
3002532063	East Vacuum GB/SA 3366-001	EVGSAU	10/6/1996	4825	Active	Sec. 33, T17S, R35E	1560	N	1080	W	Production	4825	5 1/2	ConocoPhillips	Oil Production	1100	Surface		Circulated
3002530505	Vacuum Glorieta East Unit 042-01	Vacuum Glorieta East Unit	1/21/1989	6350	Active	Sec. 33, T17S, R35E	1655	N	990	W	Surface	1586	8.625	ConocoPhillips	Oil Production	1200	Surface		Circulated
3002530505	Vacuum Glorieta East Unit 042-01	Vacuum Glorieta East Unit	1/21/1989	6350	Active	Sec. 33, T17S, R35E	1655	N	990	W	Production	6350	5.5	ConocoPhillips	Oil Production	1300		1100	UNKNOWN
3002539996	East Vacuum GB/SA 3333-506W	EVGSAU	7/17/2011	5171	Active	Sec. 33, T17S, R35E	1700	N	2294	W	Surface	1570	8 5/8	ConocoPhillips	Injection	850	Surface		Circulated
3002539996	East Vacuum GB/SA 3333-506W	EVGSAU	7/17/2011	5171	Active	Sec. 33, T17S, R35E	1700	N	2294	W	Production	5162	5 1/2	ConocoPhillips	Injection	1025	Surface		Circulated
3002537852	Vacuum Glorieta East Unit 002-22W	Vacuum Glorieta East Unit	4/2/2007	6350	Active	Sec. 32, T17S, R35E	1765	N	1585	E	Surface	1606	8.625	ConocoPhillips	Oil Production	850	Surface		Circulated
3002537852	Vacuum Glorieta East Unit 002-22W	Vacuum Glorieta East Unit	4/2/2007	6350	Active	Sec. 32, T17S, R35E	1765	N	1585	E	Production	6339	5.5	ConocoPhillips	Oil Production	1650	Surface		Circulated
3002521008	Vacuum Glortieta East Unit 002-04	Vacuum Glorieta East Unit	4/30/1964	6210	Active	Sec. 32, T17S, R35E	1865	N	330	E	Surface	1552	8.625	ConocoPhillips	Oil Production	850	Surface		Circulated
3002521008	Vacuum Glortieta East Unit 002-04	Vacuum Glorieta East Unit	4/30/1964	6210	Active	Sec. 32, T17S, R35E	1865	N	330	E	Production	6210	4.5	ConocoPhillips	Oil Production	900		2800	UNKNOWN
3002502982	East Vacuum GB/SA 3333-002W	EVGSAU	4/20/1939	4650	Active	Sec. 33, T17S, R35E	1980	N	1980	W	Surface	497	9 5/8	ConocoPhillips	Injection	225	Surface		Circulated
3002502982	East Vacuum GB/SA 3333-002W	EVGSAU	4/20/1939	4650	Active	Sec. 33, T17S, R35E	1980	N	1980	W	Intermediate	4092	7	ConocoPhillips	Injection	800	Surface		Circulated
3002502982	East Vacuum GB/SA 3333-002W	EVGSAU	4/20/1939	4650	Active	Sec. 33, T17S, R35E	1980	N	1980	W	Production	4650	4 1/2	ConocoPhillips	Injection	370		1850	Calculated
3002532366	Vacuum Glorieta East Unit 024-06	Vacuum Glorieta East Unit	2/6/1994	6110	Active	Sec. 33, T17S, R35E	1685	N	2611	W	Surface	1575	8 5/8	ConocoPhillips	Oil Production	850	Surface		Circulated
3002532366	Vacuum Glorieta East Unit 024-06	Vacuum Glorieta East Unit	2/6/1994	6110	Active	Sec. 33, T17S, R35E	1685	N	2611	W	Production	6303	5 1/2	ConocoPhillips	Oil Production	1950	Surface		Circulated
3002502970	East Vacuum GB/SA 3202-016	EVGSAU	3/14/1940	4650	Active	Sec. 32, T17S, R35E	1980	N	1980	E	Surface	262	10.75	ConocoPhillips	Oil Production	Unknown	Unknown		Unknown
3002502970	East Vacuum GB/SA 3202-016	EVGSAU	3/14/1940	4650	Active	Sec. 32, T17S, R35E	1980	N	1980	E	Intermediate	1543	7.625	ConocoPhillips	Oil Production	400	Unknown		Unknown
3002502970	East Vacuum GB/SA 3202-016	EVGSAU	3/14/1940	4650	Active	Sec. 32, T17S, R35E	1980	N	1980	E	Production	4133	5.5	ConocoPhillips	Oil Production	225	Unknown		Unknown
300250296500	EAST VACUUM GB-SA UNIT 3202-005	EVGSAU	4/15/1939	4660	Active	Sec. 32, T-17-S, R. 35-E	1,980.00	N	660	E	Surface	262	10 3/4	ConocoPhillips	Oil Production	125	Unknown		Unknown
300250296500	EAST VACUUM GB-SA UNIT 3202-005	EVGSAU	4/15/1939	4660	Active	Sec. 32, T-17-S, R. 35-E	1,980.00	N	660	E	Intermediate	1518	7 5/8	ConocoPhillips	Oil Production	200	Unknown		Unknown
300250296500	EAST VACUUM GB-SA UNIT 3202-005	EVGSAU	4/15/1939	4660	Active	Sec. 32, T-17-S, R. 35-E	1,980.00	N	660	E	Production	4150	5 1/2	ConocoPhillips	Oil Production	250	Unknown		Unknown
300253001700	EAST VACUUM GB-SA UNIT 3202-017	EVGSAU	9/9/1987	4800	Active	Sec. 32, T-17S, R-35E	2,000.00	N	120	E	Surface	1498	8 5/8	ConocoPhillips	Oil Production	1000	Surface		Circulated
300253001700	EAST VACUUM GB-SA UNIT 3202-017	EVGSAU	9/9/1987	4800	Active	Sec. 32, T-17S, R-35E	2,000.00	N	120	E	Production	4800	5 1/2	ConocoPhillips	Oil Production	1600		846	Unknown
300250298700	EAST VACUUM GB-SA UNIT 3366-029	EVGSAU	4/10/1939	4727	Active	Sec 33, T-17-S, R-35-E	1,980.00	N	660	W	Surface	1650	9 5/8	ConocoPhillips	Oil Production	900	Surface		Circulated
300250298700	EAST VACUUM GB-SA UNIT 3366-029	EVGSAU	4/10/1939	4727	Active	Sec 33, T-17-S, R-35-E	1,980.00	N	660	W	Intermediate	4109	7	ConocoPhillips	Oil Production	400	Unknown		Unknown
300250298700	EAST VACUUM GB-SA UNIT 3366-029	EVGSAU	4/10/1939	4727	Active	Sec 33, T-17-S, R-35-E	1,980.00	N	660	W	Production	4727	4 1/2	ConocoPhillips	Oil Production	100	Unknown		Unknown
300253392800	SANTA FE 136	SANTA FE	9/18/1997	8179	Active	Sec 33, T-17-S, R-35-E	2,175.00	N	336	W	Surface	1,647.00	13 3/8	ConocoPhillips	Oil Production	1550	Surface		Circulated & 1"
300253392800	SANTA FE 136	SANTA FE	9/18/1997	8179	Active	Sec 33, T-17-S, R-35-E	2,175.00	N	336	W	Intermediate	4,700.00	8 5/8	ConocoPhillips	Oil Production	2050		1290	Temp Survey
300253392800	SANTA FE 136	SANTA FE	9/18/1997	8179	Active	Sec 33, T-17-S, R-35-E	2,175.00	N	336	W	Production	8,179.00	5 1/2	ConocoPhillips	Oil Production	2120	Surface		Circulated
3002539642	East Vacuum GB/SA 3333-504W	EVGSAU	5/20/2011	5045	Active	Sec. 33, T17S, R35E	2,218.00	N	1580	W	Surface	1575	8 5/8	ConocoPhillips	Injection	750	Surface		Circulated
3002539642	East Vacuum GB/SA 3333-504W	EVGSAU	5/20/2011	5045	Active	Sec. 33, T17S, R35E	2,218.00	N	1580	W	Production	5033	5 1/2	ConocoPhillips	Injection	1125	Surface		Circulated
3002520752	Vacuum Glortieta East Unit 024-03	Vacuum Glorieta East Unit	4/15/1964	6250	Active	Sec. 33, T17S, R35E	2,310.00	N	2310	W	Surface	1503	8 5/8	ConocoPhillips	Oil Production	600	Surface		Circulated
3002520752	Vacuum Glortieta East Unit 024-03	Vacuum Glorieta East Unit	4/15/1964	6250	Active	Sec. 33, T17S, R35E	2,310.00	N	2310	W	Production	6248	4 1/2	ConocoPhillips	Oil Production	1300		1920	Temp Survey
3002528400	East Vacuum GB/SA 3202-008W	EVGSAU	10/4/1979	4800	Active	Sec. 32, T17S, R35E	2630	N	1468	E	Surface	356	8.625	ConocoPhillips	Injection	300	Surface		Circulated
3002526400	East Vacuum GB/SA 3202-008W	EVGSAU	10/4/1979	4800	Active	Sec. 32, T17S, R35E	2630	N	1468	E	Production	4800	5.5	ConocoPhillips	Injection	2005	Surface		Circulated
3002530015	East Vacuum GB/SA 3202-018	EVGSAU	5/18/1988	4800	Active	Sec. 32, T17S, R35E	2560	N	680	W	Surface	1545	8.625	ConocoPhillips	Oil Production	1000	Surface		Circulated
3002530015	East Vacuum GB/SA 3202-018	EVGSAU	5/18/1988	4800	Active	Sec. 32, T17S, R35E	2560	N	680	W	Production	4800	5.5	ConocoPhillips	Oil Production	1200	Surface		Circulated
300252665200	EAST VACUUM GB-SA UNIT 3202-011W	EVGSAU	2/17/1980	4800	Active	Sec. 32, T-17-S, R-35-E	2,600.00	S	200	E	Surface	359	9 5/8	ConocoPhillips	INJECTION	400	Surface		Circulated
300252665200	EAST VACUUM GB-SA UNIT 3202-011W	EVGSAU	2/17/1980	4800	Active	Sec. 32, T-17-S, R-35-E	2,600.00	S	200	E	Production	4788	7	ConocoPhillips	INJECTION	1450	Surface		Circulated
3002520790	Vacuum Glorieta East Unit 042-02	Vacuum Glorieta East Unit	4/18/1964	6225	Active	Sec. 33, T17S, R35E	2180	N	660	W	Surface	1625	8.625	ConocoPhillips	Oil Production	700	Surface		Circulated
3002520790	Vacuum Glorieta East Unit 042-02	Vacuum Glorieta East Unit	4/18/1964	6225	Active	Sec. 33, T17S, R35E	2180	N	660	W	Production	6225	4.5	ConocoPhillips	Oil Production	1530		2600	Temp Survey
300253001900	EAST VACUUM GB-SA UNIT 3374-003	EVGSAU	8/28/1987	4800	Active	Sec. 33, T-17S, R-35E	2,630.00	S	400	W	Surface	1526	8 5/8	ConocoPhillips	Oil Production	1000	Surface		Circulated
300253001900	EAST VACUUM GB-SA UNIT 3374-003	EVGSAU	8/28/1987	4800	Active	Sec. 33, T-17S, R-35E	2,630.00	S	400	W	Production	4800	5 1/2	ConocoPhillips	Oil Production	1160	Surface		Circulated
3002526402	East Vacuum GB/SA 3374-002W	EVGSAU	9/28/1979	4800	Active	Sec. 33, T17S, R35E	2681	N	1092	W	Surface	356	8 5/8	ConocoPhillips	Injection	250	Surface		Circulated
3002526402	East Vacuum GB/SA 3374-002W	EVGSAU	9/28/1979	4800	Active	Sec. 33, T17S, R35E	2681	N	1092	W	Production	4798	5 1/2	ConocoPhillips	Injection	1345	Surface		Circulated
300253001600	EAST VACUUM GB-SA UNIT 3374-004	EVGSAU	5/29/1988	4800	Active	Sec. 33, T17S, R35E	1,950.00	S	210	W	Surface	1534	8 5/8	ConocoPhillips	Oil Production	1000	Surface		Circulated
300253001600	EAST VACUUM GB-SA UNIT 3374-004	EVGSAU	5/29/1988	4800	Active	Sec. 33, T17S, R35E	1,950.00	S	210	W	Production	4799	5 1/2	ConocoPhillips	Oil Production	1200	Surface		Circulated
300250299700	EAST VACUUM GB-SA UNIT 3374-001	EVGSAU	2/10/1939	4650	Active	Sec. 33, T17S, R35E	1,980.00	S	660	W	Surface	1553	9 5/8	ConocoPhillips	Oil Production	325	Unknown		Unknown
300250299700	EAST VACUUM GB-SA UNIT 3374-001	EVGSAU	2/10/1939	4650	Active	Sec. 33, T17S, R35E	1,980.00	S	660	W	Production	4150	7 5/8	ConocoPhillips	Oil Production	210	Unknown		Unknown
3002530506	Vacuum Glorieta East Unit 22-01	Vacuum Glorieta East Unit	1/11/1989	6350	Active	Sec. 30, T17S, R35E	330	N	2310	E	Surface	1680	8 5/8	ConocoPhillips	Oil Production	1200	Surface		Circulated
3002530506	Vacuum Glorieta East Unit 22-01	Vacuum Glorieta East Unit	1/11/1989	6350	Active	Sec. 30, T17S, R35E	330	N	2310	E	Production	6143	5 1/2	ConocoPhillips	Oil Production	1900	Surface		Circulated
3002530437	Vacuum Glorieta East Unit 01-06	Vacuum Glorieta East Unit	11/19/1988	7785	Active	Sec. 29, T17S, R35E	1195	S	2518	E	Surface	469	13.375	ConocoPhillips	Oil Production	183	Surface		Circulated
3002530437	Vacuum Glorieta East Unit 01-06	Vacuum Glorieta East Unit	11/19/1988	7785	Active	Sec. 29, T17S, R35E	1195	S	2518	E	Intermediate	4764	8.625	ConocoPhillips	Oil Production	1950		500	Estimated
3002530437	Vacuum Glorieta East Unit 01-06	Vacuum Glorieta East Unit	11/19/1988	7785	Active	Sec. 29, T17S, R35E	1195	S	2518	E	Production	6300	5.5	ConocoPhillips	Oil Production	206		3850	Estimated
3002526993	East Vacuum GB/SA 2801-017	EVGSAU	12/3/1980	4800	Active	Sec. 28, T17S, R35E	2410	S	200	W	Surface	356	8.625	ConocoPhillips	Oil Production	400	Surface		Circulated
3002526993	East Vacuum GB/SA 2801-017	EVGSAU	12/3/1980	4800	Active	Sec. 28, T17S, R35E	2410	S	200	W	Production	4800	5.5	ConocoPhillips	Oil Production	1100	Surface		Circulated
300253384400	HOOVER 32 #005	HOOVER 32	5/11/1997	8198	Active	Sec 32, T-17-S, R-35-E	980	N	360	E	Surface	1567	8 5/8	Chesapeake Operating	Oil Production	1050	Surface		Circulated
300253384400	HOOVER 32 #005	HOOVER 32	5/11/1997	8198	Active	Sec 32, T-17-S, R-35-E	980	N	360	E	Production	8198	5 1/2	Chesapeake Operating	Oil Production	3250	Surface		Circulated
300253387500	HOOVER 32 #003	HOOVER 32	3/31/1997	8213	Active	Sec 32, T-17-S, R-35-E	1950	S	380	E	Surface	1547	11 3/4	Chesapeake Operating	Oil Production	850	Surface		Circulated
300253387500	HOOVER 32 #003	HOOVER 32	3/31/1997	8213	Active	Sec 32, T-17-S, R-35-E	1950	S	380	E	Intermediate	3250	8 5/8	Chesapeake Operating	Oil Production	1000	Surface		Circulated
300253387500	HOOVER 32 #003	HOOVER 32	3/31/1997	8213	Active	Sec 32, T-17-S, R-35-E	1950	S	380	E	Production	8213	5 1/2	Chesapeake Operating	Oil Production	1250		3225	Unknown
300253359400	HOOVER 32 #001	HOOVER 32	9/28/1996	9500	Active	Sec 32, T-17-S, R-35-E	2231	N	385	E	Surface	1615	13 3/8	Chesapeake Operating	Oil Production	1500	Surface		Circulated

(80)

300253359400	HOOVER 32 #001	HOOVER 32	9/28/1996	9500	Active	Sec 32, T-17-S, R-35-E.	2231	N	385	E	Intermediate	4784	8 5/8	Chesapeake Operating	Oil Production	1570	Surface	Circulated
300253359400	HOOVER 32 #001	HOOVER 32	9/28/1996	9500	Active	Sec 32, T-17-S, R-35-E.	2231	N	385	E	Production	9500	5 1/2	Chesapeake Operating	Oil Production	1910	Unknown	Unknown
300250292800	State "M" #5	State M	12/4/1957	3800	P & A	Sec. 29, T-17S, R-35E	990	S	990	E	Surface	424	8 5/8	Drilling & Exploration Co. Inc.	Oil Production	300	Surface	Circulated
300250292800	State "M" #5	State M	12/4/1957	3800	P & A	Sec. 29, T-17S, R-35E	990	S	990	E	Production	3260	5 1/2	Drilling & Exploration Co. Inc.	Oil Production	550	1930	Temp Survey
3002534229	Hoover 29-5	Oxy	Never Drilled	Accordinato NMOCD web														
300250292400	EAST VACUUM GB-SA UNIT 2913-001	EVGSAU	4/1/1939	4655	Active	Sec. 29, T-17S, R-32E	660	S	1,980.00	E	Surface	1589	8 5/8	ConocoPhillips	Oil Production	650	Surface	Circulated
300250292400	EAST VACUUM GB-SA UNIT 2913-001	EVGSAU	4/1/1939	4655	Active	Sec. 29, T-17S, R-32E	660	S	1,980.00	E	Production	4209	5 1/2	ConocoPhillips	Oil Production	275	Unknown	Unknown
3002538346	VACUUM GLORIETA EAST UNIT 002-27	VACUUM GLORIETA EAST	4/30/2007 19:00	6326	Active	SEC 32, T17S, R35E	2,617.00	N	1,725.00	E	Surface	1,596.00	8 5/8	ConocoPhillips	Oil Production	800	Surface	Circulated
3002538346	VACUUM GLORIETA EAST UNIT 002-27	VACUUM GLORIETA EAST	4/30/2007 19:00	6326	Active	SEC 32, T17S, R35E	2,617.00	N	1,725.00	E	Production	6,316.00	5 1/2	ConocoPhillips	Oil Production	1350	Surface	Circulated
3002592800	State 0 8	Mobil	Never Drilled	Accordinato NMOCD web														
300250296400	EAST VACUUM GB-SA UNIT 3202-004	EVGSAU	3/20/1939	4670	Active	Sec. 32, T-17-S, R. 35-E	1,987.00	S	660	E	Surface	255	10 3/4	ConocoPhillips	Oil Production	125	Unknown	Unknown
300250296400	EAST VACUUM GB-SA UNIT 3202-004	EVGSAU	3/20/1939	4670	Active	Sec. 32, T-17-S, R. 35-E	1,987.00	S	660	E	Intermediate	1531	7 5/8	ConocoPhillips	Oil Production	400	Unknown	Unknown
300250296400	EAST VACUUM GB-SA UNIT 3202-004	EVGSAU	3/20/1939	4670	Active	Sec. 32, T-17-S, R. 35-E	1,987.00	S	660	E	Production	4150	5 1/2	ConocoPhillips	Oil Production	250	Unknown	Unknown

Attachment 3

Wells Within Area of Review – Previously Submitted on 04-1-2011 (WFX-884)

The following wells were included in the tabulation of well data required for Section VI of Form C-108 submitted in conjunction with the application that resulted in WFX-884.

East Vacuum GB-SA 3202-002 ✓
East Vacuum GB-SA 3308-001 ✓
Vacuum Glorieta East Unit 01-08 ✓

71 wells with ½ mile radius

WELLBORE SKETCH

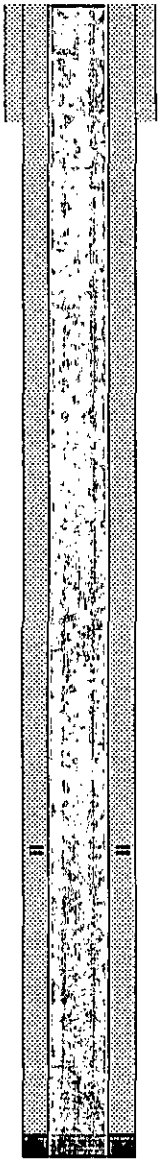
ConocoPhillips Company - Lower 48 - Mid-Continent BU / Permian Operations

Date P&A'd 7/18/1990

RKB @ 3975.7'
DF @
GL @ 3966.1'

Lease & Well No. : EVGSAU 2913-008
Legal Descript: 1533' FEL & 130' FSL, Sec. 29, T17S, R35E

County : Lea State : NM
Field : Vacuum GBSA
Date Spudded : 9/22/1979
API Number : 30-025-26386
Status: P&A'd



11" Hole

8-5/8" 24# @ 351'
Circulated cement
TOC @ Surface (circ)

Plugs:
4745' - 4480' 31 sxs
4480' - 3480' 100 sxs
3480' - 2480' 100 sxs
2480' - 1480' 100 sxs
1480' - surface 150 sxs

TOC 5-1/2" 14# Csg @ surface (circ)

Perfs 4504' - 4678'

7 7/8" Hole
5-1/2" 14# @ 4800'

PBTD: 4757'
TD: 4800'

Attachment 4
East Vacuum Grayburg San Andres Unit
Tabulation of Well Data

This attachment includes 3 pages of data for wells within 2 mile radius of proposed injection well.

Page 1: 78
Page 2: 80
Page 3: 11

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Attachment 5
East Vacuum Grayburg-San Andres Unit
Well Schematics of Plugged and Abandoned Wells

Well bore diagrams for plugged and abandoned wells included in this submittal are listed below.

Well Name and Number	API Number
*East Vacuum GB-SA 3202-002	30-025-02963
*East Vacuum GB-SA 3308-001	30-025-02995
East Vacuum GB-SA 2913-008W	30-025-26386
*Vacuum Glorieta East Unit 001-08	30-025-20722

*** These wells were previously submitted as stated on Attachment 3.**

Attachment 6
Geological Information - Formation Tops per Well

East Vacuum Grayburg San Andres Unit 3308-400W	
Formation Tops and Planned Total Depth	
Formation Call Points	**Top (ft MD)**
Rustler	1533
Salado	1650
Tansill	2713
Yates	2844
Seven Rivers	3147
Queen	3688
Grayburg	4057
San Andres	4413
Glorieta	5933
Blinebry	6377
Tubb	7600
Drinkard	7740
Abo	7980
Deepest Perforation	4534
Total Depth	8150

Casing Depths		
String	**Set Depth**	**Length**
Surface Casing	1545	1531
Production Casing	8150	8136

Attachment 7
Injection Water Chemical Analysis

An injection water chemical analysis has been submitted previously with the prior expansion WFX 884.

Water Analysis Report

10/20/2009

Champion Technologies

Address:

Customer: Conoco Phillips
Attention: Kenny Kidd
CC: M. Baker, Corey Hodnett

Lease: EVGSAU
Formation:
Salesman: Mike Baker

Target Name: EVGSAU 2060-S01

Sample Point: EVGSAU 2060-S01

Sample Date: 10/09/2009 Test Date: 10/20/2009

Water Analysis(mg/L)

Calcium	64
Magnesium	29
Barium	
Strontium	
Sodium(calc.)	78
Bicarbonate Alkalinity	220
Sulfate	62
Chloride	145
Resistivity	10.7023

Appended Data(mg/L)

CO2	10
H2S	0
Iron	0
Oxygen	

Physical Properties

Ionic Strength(calc.	0.01
pH(calc.)	7.44
Temperature(°F)	90
Pressure(psia)	50
Density	8.33

Additional Data

Specific Gravity	1.00
Total Dissolved Solids(Mg/L)	598
Total Hardness(CaCO3 Eq Mg/	279

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

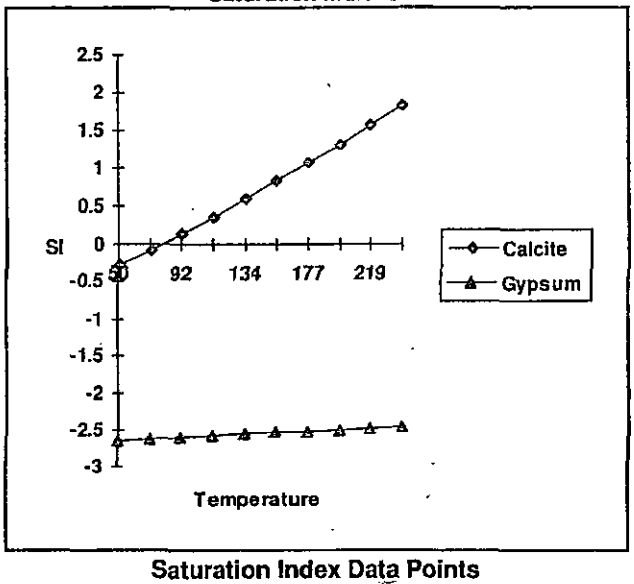
Calculation Method	Value
CO2 in Brine(mg/L)	10

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	*0.11*	*7.00*
Gypsum (Calcium Sulfate)	-2.59	
Hemihydrate (Calcium Sulfate)	-2.32	
Anhydrite (Calcium Sulfate)	-2.84	
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Saturation Indices



Saturation Index Data Points

	50	71	92	113	134	156	177	198	219	240
Calcite	-0.28	-0.08	0.13	0.35	0.58	0.82	1.06	1.31	1.57	1.84
Gypsum	-2.63	-2.61	-2.59	-2.57	-2.55	-2.53	-2.51	-2.49	-2.47	-2.46

Lab Tech.:

Water Analysis Report

10/20/2009

Champion Technologies

Address:

Customer: Conoco Phillips
Attention: Kenny Kidd
CC: M. Baker, Corey Hodnett

Lease: EVGSAU
Formation:
Salesman: Mike Baker

Target Name: EVGSAU 2864-S02 **Sample Point:** EVGSAU 2864-S02

Sample Date: 10/09/2009 **Test Date:** 10/20/2009

Water Analysis(mg/L)

Calcium	40
Magnesium	413
Barium	
Strontium	
Sodium(calc.)	
Bicarbonate Alkalinity	281
Sulfate	68
Chloride	121
Resistivity	

Appended Data(mg/L)

CO2	20
H2S	0
Iron	0
Oxygen	

Physical Properties

Ionic Strength(calc.	0.04
pH(calc.)	7.16
Temperature(°F)	90
Pressure(psia)	50
Density	

Additional Data

Specific Gravity	
Total Dissolved Solids(Mg/L)	
Total Hardness(CaCO3 Eq Mg/	1793

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

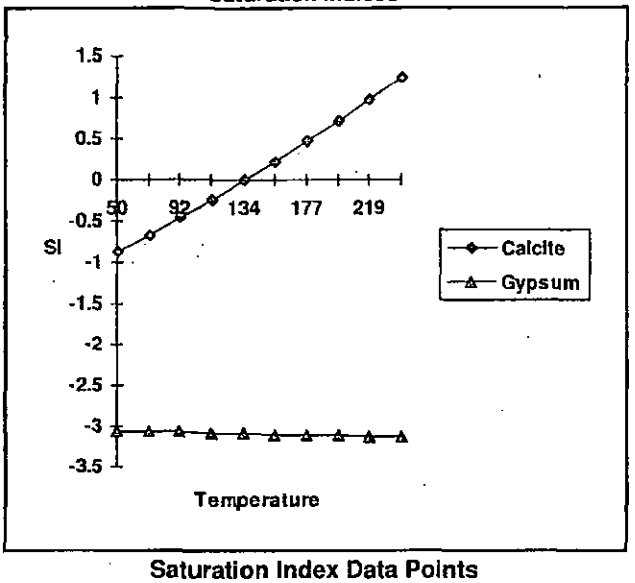
Calculation Method	Value
CO2 in Brine(mg/L)	20

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	-0.48	
Gypsum (Calcium Sulfate)	-3.07	
Hemihydrate (Calcium Sulfate)	-2.84	
Anhydrite (Calcium Sulfate)	-3.32	
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Saturation Indices



Saturation Index Data Points

	50	71	92	113	134	156	177	198	219	240
Calcite	-0.88	-0.67	-0.46	-0.24	-0.01	0.22	0.47	0.72	0.98	1.24
Gypsum	-3.07	-3.07	-3.07	-3.08	-3.09	-3.10	-3.10	-3.11	-3.12	-3.13

Lab Tech.:

Water Analysis Report

10/20/2009

Champion Technologies

Address:

Customer: Conoco Phillips
Attention: Kenny Kidd
CC: M. Baker, Corey Hodnett

Lease: EVGSAU
Formation:
Salesman: Mike Baker

Target Name: EVGSAU 3202-S07 **Sample Point:** EVGSAU 3202-S07

Sample Date: 10/09/2009 ***Test Date:*** 10/20/2009

Water Analysis(mg/L)

Calcium	88
Magnesium	29
Barium	
Strontium	
Sodium(calc.)	111
Bicarbonate Alkalinity	281
Sulfate	25
Chloride	230
Resistivity	8.3770

Appended Data(mg/L)

CO2	40
H2S	17
Iron	0
Oxygen	

Physical Properties

Ionic Strength(calc.)	0.02
pH(calc.)	5.67
Temperature(°F)	90
Pressure(psia)	50
Density	8.33

Additional Data

Specific Gravity	1.00
Total Dissolved Solids(Mg/L)	764
Total Hardness(CaCO3 Eq Mg/	339

Dew Point	
Lead	
Zinc	

Calcite Calculation Information

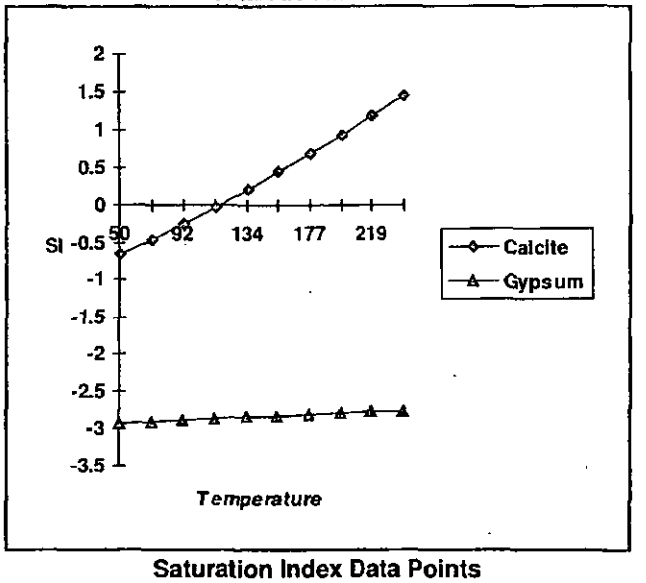
Calculation Method	Value
CO2 in Brine(mg/L)	40

Remarks:

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	-0.27	
Gypsum (Calcium Sulfate)	-2.88	
Hemihydrate (Calcium Sulfate)	-2.63	
Anhydrite (Calcium Sulfate)	-3.13	
Barite (Barium Sulfate)		
Celestite (Strontium Sulfate)		

Saturation Indices



Saturation Index Data Points

	50	71	92	113	134	156	177	198	219	240
Calcite	-0.66	-0.46	-0.25	-0.03	0.20	0.44	0.68	0.93	1.19	1.46
Gypsum	-2.93	-2.90	-2.88	-2.86	-2.84	-2.82	-2.80	-2.78	-2.77	-2.75

Lab Tech.:

Attachment 8
Proof of Publication of Notice

Legal Notice is included on the following page.

Affidavit of Publication

State of New Mexico,
County of Lea.

I, DANIEL RUSSELL
PUBLISHER
of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the *clipping attached hereto was* published in the regular and entire issue of said newspaper, and not a supplement thereof for a period

of 1 issue(s).
Beginning with the issue dated
May 07, 2013
and ending with the issue dated
May 07, 2013

Daniel Russell

PUBLISHER
Sworn and subscribed to before me
this 7th day of
May, 2013

Gussie Black

Notary Public

My commission expires
January 29, 2015

(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires 1-29-15

This newspaper is duly qualified to publish legal notices or advertisments within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL LEGAL

Legal Notice
May 7, 2013

ConocoPhillips Company, P.O. Box 51810, Midland, TX 79710-1810, Contact: Susan B. Maunder (432) 688-6913 is seeking administrative approval from the New Mexico Oil Conservation Division to inject produced water into one additional well in the East Vacuum Unit, in the Grayburg and San Andres formations.

The well is located in Township 17S, Range 35E, Lea County, NM:

East Vacuum GBSA 3308 #400, Sec. 33, 800' FNL & 330' FWL *injection interval* 4440' to 4534' TVD.

The maximum injection rate will be 1500 barrels of produced water per day. Maximum injection pressure will be 2150 psi at the surface for the well mentioned above. Interested parties must file objections or request for hearing with the New Mexico Oil Conservation Division, 1220 South Saint Francis Drive; Santa Fe, New Mexico 87504 within 15 days of this notice.
#28130

49101647 00114020
SUSAN MAUNDER
CONOCOPHILLIPS COMPANY (MIDLAND)
PO BOX 51810
MIDLAND, TX 79710

Injection Permit Checklist: Received 05/20/13 First Email Date: _____ Final Reply Date: _____ Suspended?: R-6856-A R-6856-B WFX-884 PMX-(7+)

Issued Permit: Type: (WFX) / PMX / SWD Number: 912 Permit Date: 06/21/13 Legacy Permits or Orders:

Well No. 400 Well Name(s): East Vacuum Grayburg San Andres (EVGSA) 3308

API : 30-0 25-34025 Spud Date: 08/15/1997 New/Old: N (UIC Cl II Primacy March 7, 1982)

Footages 800 FNL / 330 FWL Lot – Unit D Sec 33 Tsp 17S Rge 35E County Lea

General Location: Vacuum Field – SW of Lovington (Area 3) Pool: Vacuum; Grayburg-San Andres Pool No.: 62180

Operator: Conoco Phillips OGRID: 217817 Contact: Susan Maunder

COMPLIANCE RULE 5.9: Inactive Wells: 2 TotalWells: 4602 Fincl Assur: OK Compl. Order? No **IS 5.9 OK?** Yes

Well File Reviewed: ✓ Current Status: Shut-in / perfed - 7666 to 7944 (Tubb/Drinkard/Abo)

Planned Rehab Work to Well: CIBP at 7600 w/cmt cap / CIBP at 6440 / CIBP at 4840 w/cmt / Perf 4440 to 4584

Well Diagrams: Proposed ____ Before Conversion ____ After Conversion ✓ Are Elogs in Imaging?: Yes

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned __ or Existing __ Cond	—	—	—	—	—
Planned __ or Existing ✓ Surface	12 1/4 / 8 5/8	0 to 1545	NA	650	Circ. to Surf
Planned __ or Existing ✓ Interm	7 7/8 / 5 1/2	0 to 8150	NA	2750	Circ. to Surf.
Planned __ or Existing __ LongSt	—	—	—	—	—
Planned __ or Existing __ Liner	—	—	—	—	—
Planned ✓ or Existing __ OH (PERF)	existing 5 1/2	4440 to 4534	—		

Injection Strat Column:	Depths (ft)	Formation	Tops?
Above Top of Inject Formation	-752	Queen	3688
Above Top of Inject Formation	-383	Grayburg	4057
Proposed Interval TOP:	4440	San Andres	4413
Proposed Interval BOTTOM:	4534	San Andres	—
Below Bottom of Inject Formation	1399	Glorieta	5933
Below Bottom of Inject Formation	4978	Blinebry	6377

Completion/Ops Details:

Drilled TD 8150 PBTD 4778 Proposed

Open Hole ____ or Perfs: ✓

Tubing Size _____ Inter Coated? Y

Proposed Packer Depth 4387

Min Packer Depth 4340 (100-ft limit)

Proposed Max. Surface Press 2150

Calc. Injt Press 888 (0.2 psi per ft)

Calc. FPP — (0.65 psi per ft)

1350 approved in PMX

Vacuum Glorieta Waterflood

AOR: Hydrologic and Geologic Information

POTASH: R-111-P N Noticed? N **BLM Sec Ord** N **WIPP** N Noticed? N **SALADO:** T: 1800 B: 2712 **CLIFF HOUSE** NA

Fresh Water: Max Depth: ~280 FW Formation Ogallala Wells? 2 Analysis? Yes HydrologicAffirmStatement Yes

Disposal Fluid: Formation Source(s) Production water from Unit - reinjected to 300 On Lease (X) Only from Operator ____ or Commercial ____

Injection Rate: 500 - 1500 BWPD **Disposal Interval:** Protectable Waters? — **CAPITAN REEF:** in N thru N adjacent N

H/C Potential: Producing Interval? Water Formerly Producing? — Method: E Log /Mudlog/DST/Depleted/Other —

AOR Wells: 1/2-M Radius Map? Yes Well List? Y Total No. Wells Penetrating Interval: 71

Penetrating Wells: No. Active Wells 68 Num Repairs? 0 on which well(s)? _____ Diagrams? N-list

Penetrating Wells: No. P&A Wells 3 Num Repairs? 0 on which well(s)? _____ Diagrams? Y

NOTICE: Newspaper Date 05/07/13 Mineral Owner State / ConocoPhillips Surface Owner ConocoPhillips N. Date NA

RULE 26.7(A): Identified Tracts? N Affected Persons: ConocoPhillips N. Date NA

Permit Conditions: None added

Issues:

CURRENT SCHEMATIC

ConocoPhillips

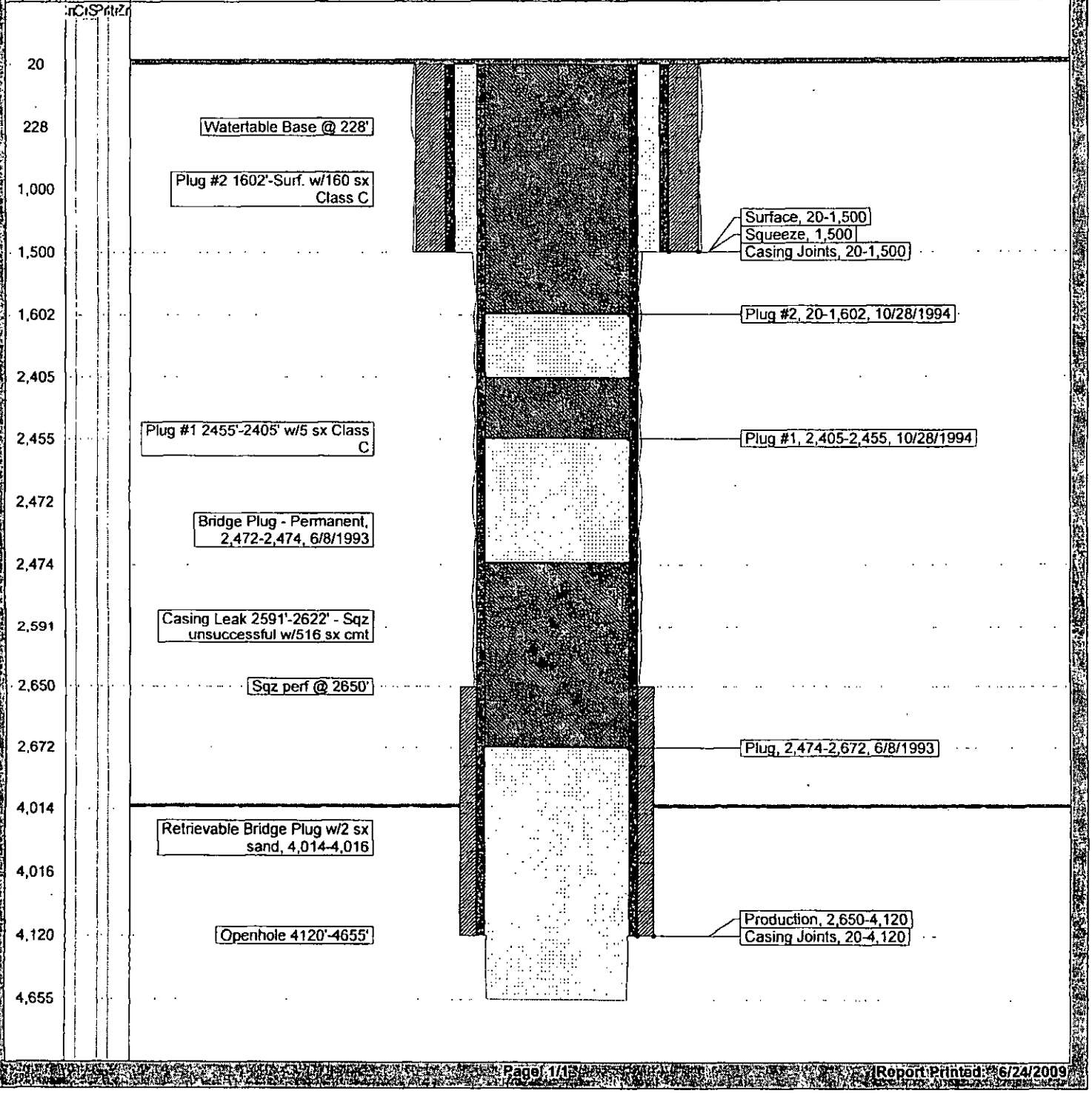
EAST VACUUM GB SA UNIT 3308-001

District	Field Name	API / UWI	County	State/Province
PERMIAN	DISTRICT - E. VACUUM SUB-D	300250299500	LEA	NEW MEXICO

Casing Strings

Casing Description	String OD (in)	String Wt (lbs/ft)	String Grade	Top (ftKB)	Len (ft)
Surface	7 5/8	26.40	J-55	20.0	1,480.00
Production	5 1/2	17.00	K-55	20.0	4,100.00

Well Config: Vertical - MAIN HOLE, 6/24/2009 2:31:44 PM



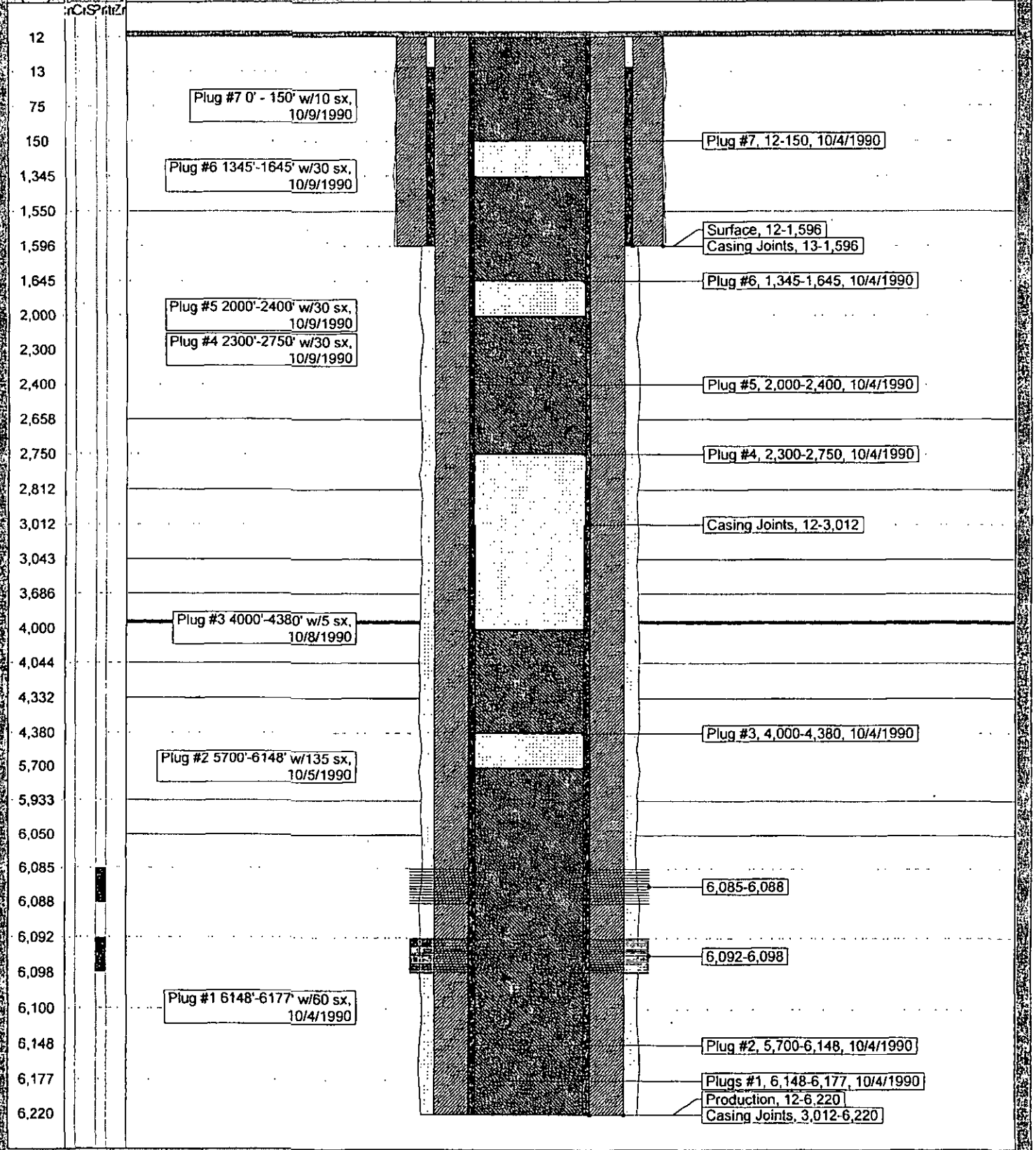
CURRENT SCHEMATIC

ConocoPhillips — VACUUM GLORIETA EAST UNIT 001-08

District	Field Name	API / UWI	County	State/Province
PERMIAN	VACUUM	300252072200	LEA	NEW MEXICO

Original Spud Date	Surface Legal Location	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref
5/29/1964	Sec. 28, T-17-S, R-35-E	330.00	W	330.00	S

Well Config: Vertical - MAIN, 6/29/2009 2:20:29 PM



CURRENT SCHEMATIC

ConocoPhillips

EAST VACUUM GB-SA UNIT 3202-002

District	Field Name	API / UWI	County	State/Province
PERMIAN	DISTRICT - E. VACUUM SUB-D	300250296300	LEA	NEW MEXICO

Casing Strings

Casing Description	String OD (in)	String Wt (lbs/ft)	String Grade	Top (ftKB)	Len (ft)
Surface	10 3/4	40.50	H-40	13.0	207.00
Intermediate1	7 5/8	26.40	J-55	13.0	1,538.00
Production1	5 1/2	17.00	J-55	13.0	4,137.00

Well Config: Vertical - MAIN HOLE, 8/6/2009 1:20:00 PM

ftKB (MD) — Schematic - Actual