

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	ConocoPhillips Company	Contact	John W. Gates
Address	3300 North A St. Bldg 6, Midland, TX 79705-5406	Telephone No.	505.391.3158
Facility Name	EVGSAU 2801-002	Facility Type	Oil and Gas
Surface Owner	State Of New Mexico	Mineral Owner	State Of New Mexico
		Lease No	300252622500

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	28	17S	35E					Lea

Latitude

Longitude

NATURE OF RELEASE

Type of Release	Crude Oil & Produced water	Volume of Release	15.4bbl (15oil, .4water)	Volume Recovered	(15oil, 0water)
Source of Release	The release originated from a split behind a pipe collar on a 2 3/8 inch steel surface flow line due to suspected fatigue.	Date and Hour of Occurrence	08/03/11 0700	Date and Hour of Discovery	08/03/11 0730
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Date and Hour				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					

Describe Cause of Problem and Remedial Action Taken.*

The release originated from a split behind a pipe collar on a 2 3/8 inch steel surface flow line due to suspected fatigue.

Describe Area Affected and Cleanup Action Taken.*

60'x8'x1" area of pasture land. A vacuum truck was called and ~ 15 bbls of oil was recovered.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.

APPROVED

Signature:



Printed Name: John W. Gates

Title: HSER Lead

Approval Date: 3/2/16 | Expiration Date:

E-mail Address: John.W.Gates@conocophillips.com

Conditions of Approval:

Attached ☐

Date: 08/08/11

Phone: 505.391.3158

• Attach Additional Sheets If Necessary

IRP-4138



ENVIRONMENTAL PLUS, INC.
CONSULTING AND REMEDIAL CONSTRUCTION

26 September 2011

Mr. Geoffrey Leking
Environmental Engineer
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

RE: Remediation Proposal
ConocoPhillips Company – EVGSAU Well #2801-002 Release Area
UL-M (SW1/4 of the SW1/4) of Section 28, T 17 S, R 35 E; Lea County, New Mexico
Latitude: 32° 46' 49.99"; Longitude: 103° 28' 11.64"
EPI Ref. #150034

Dear Mr. Leking:

On 3 August 2011 at 0700 a.m. approximately 0.4-barrels (bbls) of produced water and 15-bbls of petroleum products were released from a 2-3/8 inch steel surface flow line. Approximately 0.4-bbl of produced water and 15-bbls of petroleum product were recovered. The combined fluids covered a release area of $\pm 1,232$ and an overspray area of $\pm 2,956$ square feet. After initial vacuuming of fluids, ConocoPhillips retained the services of Environmental Plus, Inc., (EPI) to GPS survey, photograph and assess product/water impacts of the release area. This letter report provides a *Remediation Proposal* for the release area.

Site Background

The release area is located in Section 28, T17S, R35E at an approximate elevation of 3,951 feet above mean sea level (amsl). The property is owned by the State of New Mexico and managed by the New Mexico State Land Office (NMSLO). A search for water wells was completed utilizing the New Mexico Office of the State Engineers website and a database maintained by the United States Geological Survey (USGS). No water wells (domestic, agriculture or public) or bodies of surface water exist within a 1,000 foot radius of the release area (reference *Figure 2*). Groundwater data indicates the average water depth is approximately 65 feet below ground surface (bgs). Based on available information, it was determined the vertical distance between impacted soil and groundwater is approximately 60 feet. Utilizing this information, New Mexico Oil Conservation Division Remedial Threshold Goals (NMOCD Goals) for this Site were determined as following:

Parameter	NMOCD Goals
Benzene	10 mg/Kg
BTEX	50 mg/Kg
TPH	100 mg/Kg
Chlorides	250 mg/Kg

approved w/ combs:
obtain 2 VERTICAL
SAMPLE & 2 HORIZONTAL
SAMPLES WHICH REPRESENT
SOME CLUSTERS + 1
Geoffrey Leking
Environmental Eng
NMOCD-DIST 1
9/30/11

NOTE: ABOVE NMOCD GOALS ARE ACCEPTABLE
IF NEEDED TPH 1000 mg/kg & Chlorides 500 mg/kg may BE
USED.

2100 AVE O ~ PO BOX 1558 ~ EUNICE, NM 88231

PHONE (575) 394-3481 * (575) 394-2601 FAX

DELINERATION OF CHLORIDES MUST BE TO 250 mg/kg,

ENVIRONMENTAL PLUS, INC.



Field Work

On 17 August 2011 EPI visited the Release Area to conduct GPS survey, photograph and assess surface area damage. Having recently completed remediation activities in the Buckeye area [ConocoPhillips EVGSAU #29-13-006 Release Area located in UL-P (SE1/4 of the SE1/4) of Section 29, T17S, R35E], EPI concluded delineation via trenching or soil borings was not required. Dense rock formations which commence approximately four (4) inches and extend over fifteen (15) feet below ground surface (bgs) limit vertical migration of production fluids. Based on related experience, impacted area should be limited to less than five (5) vertical feet. This concept is advanced by efficiency of cleanup efforts in vacuuming the release area leaving little volume of production fluids for sub-surface seepage.

Analytical Data

Owing to rapid response in surficial cleanup efforts, no soil samples were collected for field testing or laboratory analysis.

Site Remedial Proposal

EPI proposes remediating the release area in its entirety. Citing previous experience, the area will be excavated via use of a combination of track hoe with rock bucket and hammer hoe. The release area will be excavated to whatever depth and width is necessary for removal of impacted material. Impacted material will be transported to a state approved land farm for remediation or disposal dependent on major type of contaminant, i.e., TPH or chloride concentrations. Field tests will be conducted to assist in determining physical limits of contaminated area.

Slightly impacted material in the Overspray Area (Ref. *Figure #3*) will be scraped surfically to remove discolored material. The bared areas will be sprayed with a six (6) percent solution of Micro®Blaze and a thin layer of top soil applied over the disturbed areas. Contouring and drill seeding of these areas will conform to procedures described below.

A portion of soil samples collected from sidewalls and bottom during excavation activities will be field analyzed for TPH and chloride concentrations. Soil samples collected for field testing of organic vapors will be placed in self sealing polyethylene bags and allowed to equilibrate to ~ 70° F. Soil samples will then be tested for organic vapors utilizing a MiniRae™ Photoionization Detector (PID) equipped with a 10.6 electron-volt (eV) lamp and calibrated for benzene response. Analysis for chloride concentrations will be conducted using a LaMotte Chloride Kit (titration method).

After field analysis for TPH and chloride concentrations have determined physical limits of contamination, soil samples will be collected for confirmatory laboratory analytical results. Soil samples designated for laboratory analysis are immediately inserted into laboratory provided containers, appropriately labeled, placed in coolers, iced down and transported to an independent laboratory for quantification of BTEX (benzene, toluene, ethylbenzene and total xylenes), TPH [Gasoline Range Organics (GRO) and Diesel Range Organics (DRO)] and chloride concentrations.

Upon receipt of laboratory analytical results confirming BTEX, TPH and chloride concentrations are below NMOCD Goals, backfilling activities will commence.



Excavated areas will be backfilled with top soil free of deleterious material, rocks and large clods. This material will be transported from a local pit in the Buckeye area to the job site. Backfill will be slightly mounded in the middle sloping peripherally to meet original ground surface. Disturbed areas will be contoured to blend with natural ground and prevent wind/water erosion. The entire disturbed area will be deep drill seeded with a blend approved by the NMSLO. However, EPI recommends seeding operations be completed late spring 2012 when weather and ground conditions are more conducive to vegetative growth.

Should you have technical questions, concerns or need for additional information, please contact me at (575) 394-3481 (office), (575) 441-7802 (cellular) or via e-mail at dduncanepi@gmail.com.

Official communications should be directed to Mr. John Gates at (575) 391-3158 (office), (575) 390-4821 (cellular) or via e-mail at John.W.Gates@conocophillips.com with correspondence addressed to:

Mr. John W. Gates
HSER Lead
Permian-Buckeye Operations
29 Vacuum Complex Lane
Lovington, New Mexico 88260-9664

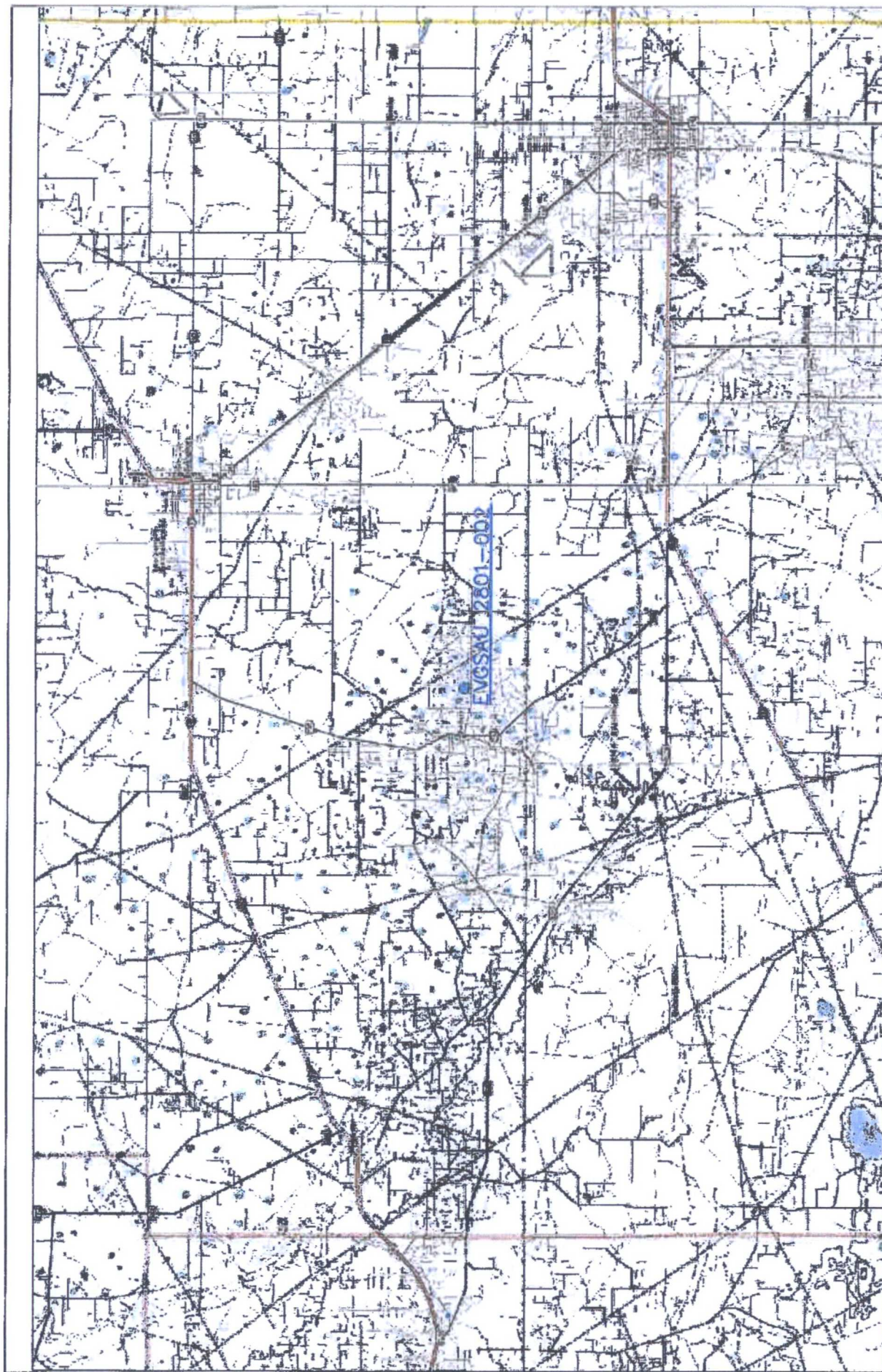
Sincerely,

ENVIRONMENTAL PLUS, INC.,

David P. Duncan
Civil Engineer
EPI Project Manager

Cc: Mr. John W. Gates, HSER Lead – ConocoPhillips
Ms. Myra Harrison, Land Manager – NMSLO
Roger Boone, Operations Manager - EPI

Encl: Figure 1 - Area Map
Figure 2 – Site Location Map
Figure 3 – Release Area Map
Table 1 – Well Data
Attachment I – Photographs of Release Area
Attachment II – Copy of Initial NMOCD Form C-141



REVISED:
9/21/2011

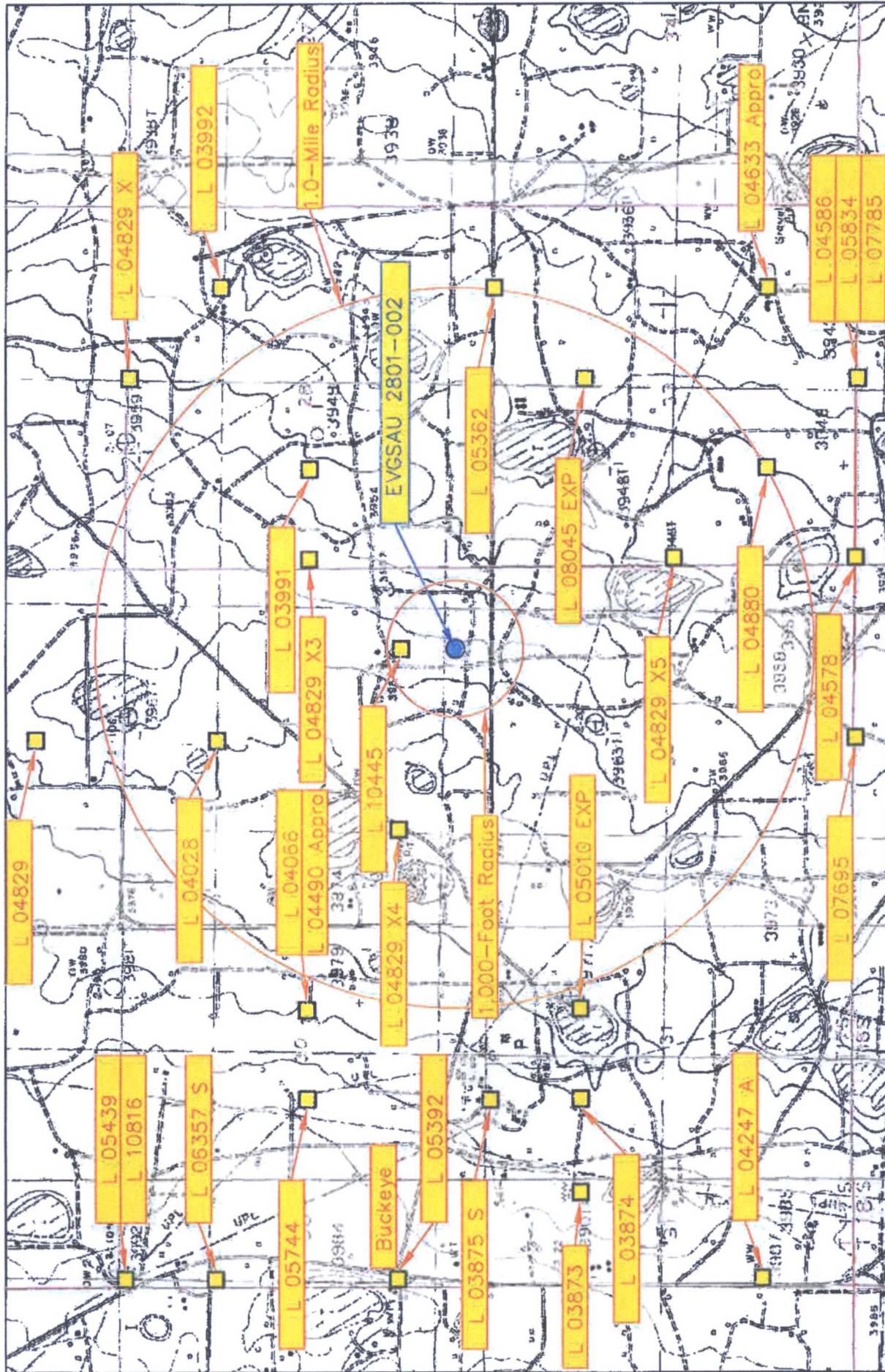
DWG By: Daniel Dominguez
March 2006

4000 SHEET
1 of 1



Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 28, T17S, R35E
N 32° 46' 49.9" W 103° 28' 11.64"
Elevation: 3,951 feet amsl

Figure 1
Site Location Map
ConocoPhillips
EVGSAU 2801-002



REVISED:
9/21/2011

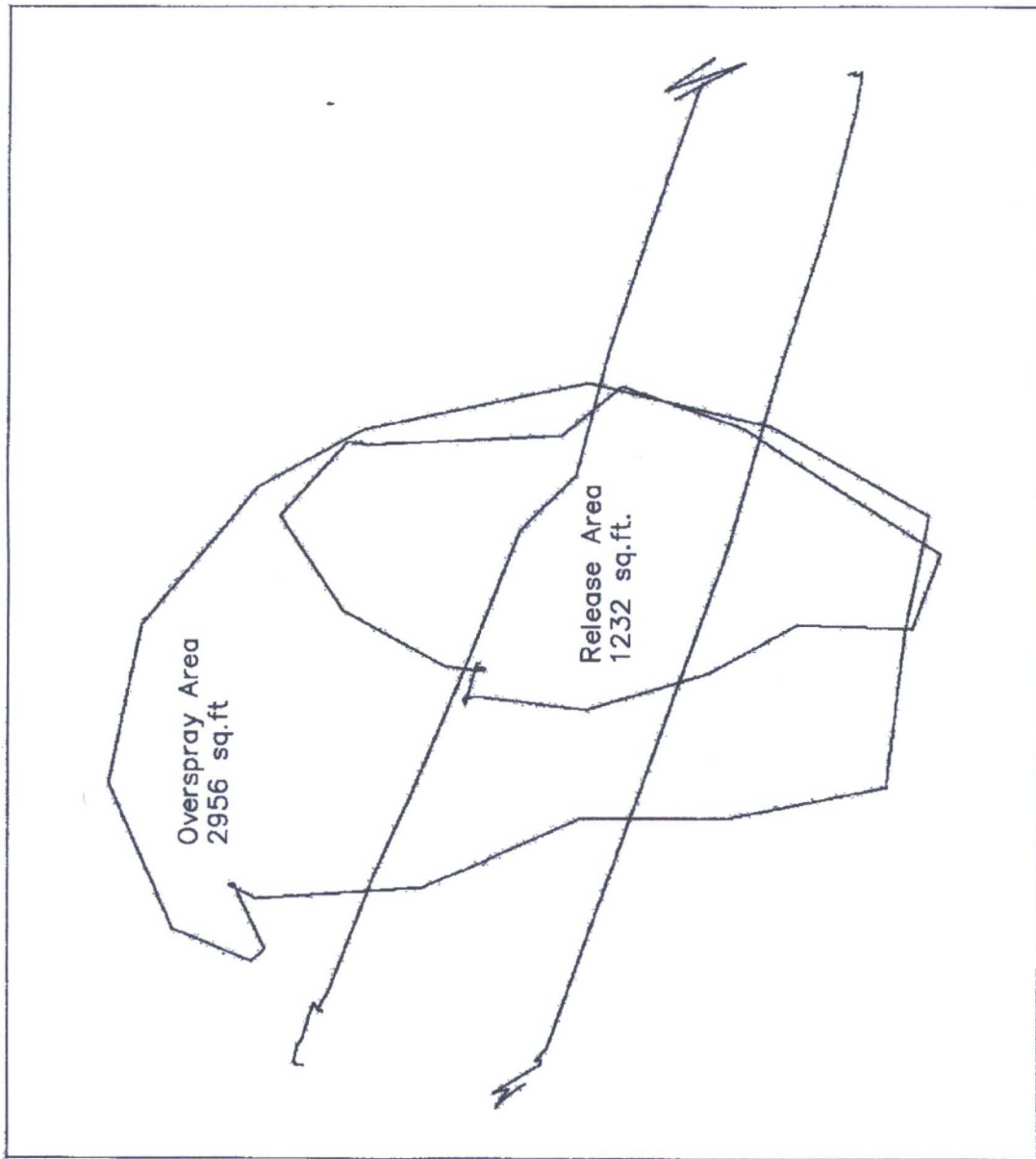
DWG By: Daniel Dominguez
March 2006

4000 SHEET
1 of 1



Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 28, T17S, R35E
N 32° 46' 49.9" W 103° 28' 11.64"
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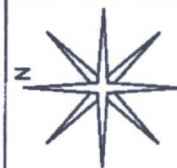
Figure 2
Site Location Map
ConocoPhillips
EVGSAU 2801-002



N

Scale 1:200
0 75 150
Feet

Lat/Long
WGS 1984
R081115D.ssf
9/13/2011
GPS Pathfinder[®] Office
Trimble



REVISED:

DWG By: Jerry Smith
Sept. 2011

0 75 150
SHEET
1 of 1

Lea County, New Mexico
SW 1/4 SW 1/4 Sec. 28-17S-35E

Figure 3
GPS Release Area
ConocoPhillips
EVGSAU 28001-002

TABLE 1

Well Data

ConocoPhillips - East Vacuum Grayburg - San Andres Unit Tract 2801-002 (Ref. # 150034)

Well Number	Diversion ^a	Owner	Use	Twsp	Rng	Sec	q	q	q	Latitude	Longitude	Date Measured	Surface Elevation ^a	Depth to Water ^a (ft bgs)
L 04028	3	ZAPATA PETROLEUM CORPORATION	PRO	17S	35E	29	2	1		N32° 48' 34.50"	W103° 28' 45.96"		3,973	
L 04829 X4				17S	35E	29	3	2		N32° 48' 8.33"	W103° 29' 1.36"		3,976	
L 10445	0	GILES LEE	STK	17S	35E	29	4	2		N32° 48' 8.14"	W103° 28' 30.39"		3,967	
L 05439	0	HUMBLE OIL & REFINING COMPANY	PRO	17S	35E	19	3	3	2	N32° 48' 47.66"	W103° 30' 18.14"	25-Jul-64	3,996	85
L 10816	0	PEARCE RANCH	STK	17S	35E	19				N32° 48' 47.66"	W103° 30' 18.14"		3,996	
L 04829	317	PHILLIPS PETROLEUM COMPANY	OIL	17S	35E	20	4	1		N32° 49' 0.71"	W103° 28' 46.03"		3,973	
L 04829 X				17S	35E	21	4	3		N32° 48' 47.21"	W103° 27' 44.00"		3,957	
L 03991	0	ZAPATA PETROLEUM CO.	PRO	17S	35E	28	1	4		N32° 48' 21.08"	W103° 27' 59.45"		3,957	
L 03992	3	ZAPATA PETROLEUM CORPORATION	PRO	17S	35E	28	2	3		N32° 48' 34.02"	W103° 27' 28.47"	02-Sep-58	3,947	65
L 04829 X3				17S	35E	28	1	3		N32° 48' 21.16"	W103° 28' 14.95"		3,963	
L 05362	0	HUMBLE OIL & REFINING COMPANY	PRO	17S	35E	28	4	3		N32° 47' 54.70"	W103° 27' 28.42"	02-Apr-64	3,947	80
L 03875 S	0	DUKE ENERGY FIELD SERVICES, LP	POL	17S	35E	30	4	3		N32° 47' 55.30"	W103° 29' 47.88"		3,986	
L 04066	3	GACKLE DRILLING COMPANY	PRO	17S	35E	30	2	4		N32° 48' 21.55"	W103° 29' 32.41"	03-Feb-59	3,986	70
L 04490 APPRO	0	MORAN OIL PRODUCING & DRILLING	PRO	17S	35E	30	2	4		N32° 48' 21.55"	W103° 29' 32.41"	25-Jul-60	3,986	70
L 05392	0	INC. A.W. THOMPSON	PRO	17S	35E	30	3	1		N32° 48' 8.38"	W103° 30' 18.09"	16-May-64	3,996	80
L 05744	0	TRI-SERVICE DRILLING COMPANY	PRO	17S	35E	30	3	3		N32° 48' 21.53"	W103° 29' 47.94"		3,993	75
L 06357 S	207.8	REPUBLIC FACTORS INC. OF MIDLA	COM	17S	35E	30	1	1		N32° 48' 34.57"	W103° 30' 18.13"	20-Jun-89	3,996	130
L 03873	31.68	PHILLIPS PETROLEUM CO.	IND	17S	35E	31	1	2		N32° 47' 42.18"	W103° 30' 3.44"		3,986	
L 03874	23.67	PHILLIPS PETROLEUM CORP.	IND	17S	35E	31	2	3		N32° 47' 42.18"	W103° 29' 47.86"		3,983	
L 04247 A	1400	U.S. BANK NATIONAL ASSOCIATION	IND	17S	35E	31	3	1		N32° 47' 16.01"	W103° 30' 18.04"	25-Jan-74	3,993	95
L 05010 EXP	0	NOBLE DRILLING CO.	PRO	17S	35E	31	2	2		N32° 47' 42.15"	W103° 28' 45.63"		3,976	
L 07695	480	PHILLIPS PETROLEUM COMPANY	OIL	17S	35E	32	4	3		N32° 47' 2.60"	W103° 28' 45.63"		3,963	
L 04578	3	SHOENFELD-HUNTER-KITCH DRLG CO	PRO	17S	35E	33				N32° 47' 2.45"	W103° 28' 14.75"	12-Jan-61	3,957	60
L 04586	3	HONDO DRILLING	PRO	17S	35E	33	4	3		N32° 47' 2.29"	W103° 27' 43.86"	18-Jan-61	3,947	50
L 04633 APPRO	0	HONDO DRILLING COMPANY	PRO	17S	35E	33	4	2		N32° 47' 15.34"	W103° 27' 28.42"	20-Apr-61	3,940	65
L 04829 X5				17S	35E	33	1	3		N32° 47' 28.77"	W103° 28' 14.73"		3,957	
L 04880	0	HONDO DRILLING CO.	PRO	17S	35E	33	3	2		N32° 47' 15.52"	W103° 27' 59.30"	18-Apr-62	3,953	90
L 05834	1150	SOUTHWESTERN PUBLIC SERVICE	IND	17S	35E	33	4			N32° 47' 2.29"	W103° 27' 43.86"		3,947	
L 07785	0	SOUTHWESTERN PUBLIC SERVICE CO	IND	17S	35E	33	4			N32° 47' 2.29"	W103° 27' 43.86"		3,947	
L 08045 EXP	0	PHILLIPS PETROLEUM COMPANY	SAN	17S	35E	33	2	1		N32° 47' 41.68"	W103° 27' 43.89"		3,947	
L 05850	0	KERMAC POTASH CO.	PRO	17S	35E	19	2	2		N32° 49' 27.04"	W103° 29' 32.54"	10-Feb-66	3,983	
L 02943	3	% CITIES SERVICE CO.	PRO	17S	35E	20	1	4		N32° 49' 27.05"	W103° 29' 17.03"	27-Jul-55	3,987	60
L 10443	0	GILES LEE	STK	17S	35E	20	1	3		N32° 49' 14.00"	W103° 29' 17.01"		3,983	
L 09097 (2) EXP	0	PHILLIPS PETROLEUM COMPANY	PRO	17S	35E	21	1	4		N32° 49' 13.45"	W103° 27' 59.60"		3,967	

^a = Elevation interpolated from USGS topographical map based on referenced location.

PRO = 72-12-1 Prospecting or development of natural resource

IND = Industrial

OIL = Oil production

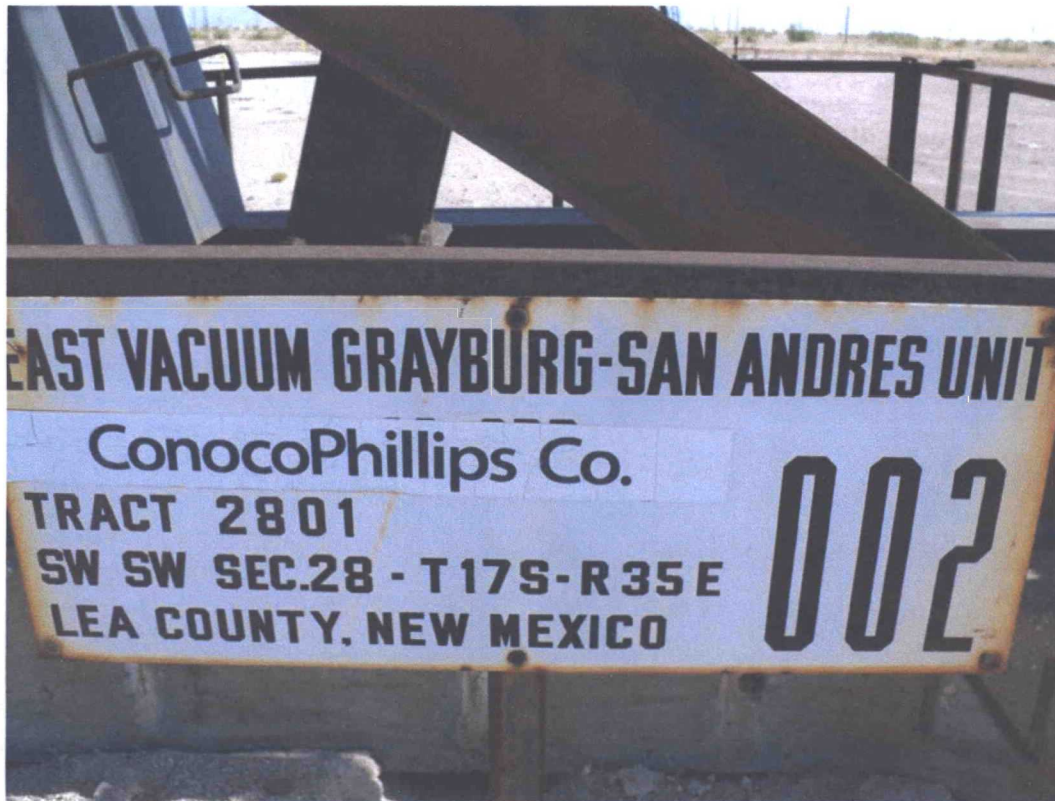
SAN = 72-12-1 Sanitary in conjunction with commercial use

COM = Commercial

STK = 72-12-1 Livestock watering

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are biggest to smallest

Shaded area indicates wells not shown in Figure 2



Photograph No. 1 – Lease Sign



Photograph No. 2 – Looking northwest at Release Area and steel surface flow line



Photograph No. 3 – Looking northerly at Release and Overspray Areas



Photograph No. 4 – Looking northeasterly at Release Area and surface steel flow line