RECEIVED

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 18 2012

Farmington Field Office
Bureau of Land Management

FORM APPROVED
OMB No. 1004-0137
Expires. March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	5. Lease Serial No Jicarilla Lease #93
	6 If Indian, Allottee or Tribe Name Jicarilla Apache
	7 If Unit of CA/Agreement, Name and/or No.
	8. Well Name and No Jicarilla 93 #12
2. Name of Operator WPX Energy Production, LLC	9. API Well No 30-039-22943
3a. Address PO Box 640 Aztec, NM 87410 3b. Phone No *(include area code)* 505-333-1822	10. Field and Pool or Exploratory Area Blanco Mesaverde/Pictured Cliffs
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* 1850' FNL 1660' FWL, Sec 34, T27N R3W N.M P.M.	11 Country or Parish, State Rio Arriba

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Surface Commingle of Condensate only
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation· Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

WPX Energy Production, LLC, requests approval to commingle condensate from the Jicarilla 93 #12 into a single tank to allow for more efficient operations and to remove excess tankage. In support of this request, WPX states·

- This well is a dual completion to the Blanco Mesaverde (72319) and the Gavilan Pictured Cliffs (77360) and is producing gas through a packer and is metered separately.
- WPX is requesting commingling of **only the condensate** from the aforementioned pools Gas will continue to be metered separately
- Ownership in said pools is identical (see attached statement from WPX landman).
- See attached site diagram showing the changes of the routing of the condensate. The 2-100 BBL condensate tanks will be removed. The condensate will be taken from the separator via a below grade condensate dump to a 300 BBL tank which will replace the existing 100 BBL tank

Allocation Factors: MV = 82%, PC = 18%

14. I hereby certify that the foregoing is true and correct Name *(Printed/Typed)* Heather Riley	Title Regulatory Specialist, Sr.
Signature Heather Riley	Date 7/18/12

RCVD AUG 6 '12
OIL CONS. DIV.
DIST. 3

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title Petr. Eng	Date 8/2/12
Conditions of approval, if any, are attached Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

ACCEPTED FOR RECORD NMOCD

June 11, 2012

WPXENERGY

To: New Mexico Oil Conservation Division

Re: Jicarilla #93 #12 PC/MV Dual
Sec. 34, T27N, R3W
Rio Arriba County, New Mexico

Ladies and Gentlemen:

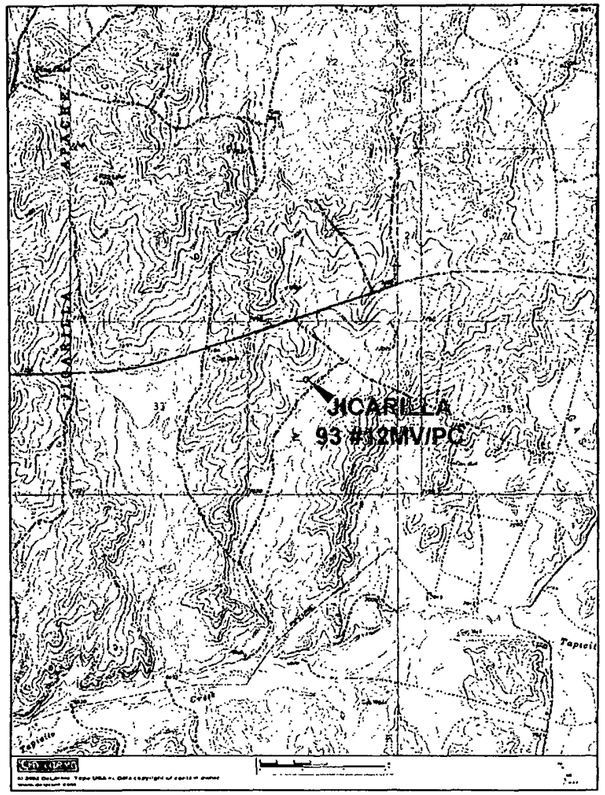
WPX Energy Production, LLC ("WPX") is the operator of the Jicarilla #93 PC/MV dual well located in Section 34, T27N - R3W. WPX plans to commingle the condensate from the two zones at the surface to allow for more efficient operation to get rid of the extra tankage.

One of the issues in question is whether or not the ownership is identical in both formations. Identical Ownership is defined in Article 19.15.12.7 (b) of the NMOCD rules as "Leases or pools have the same working, royalty, and overriding royalty ownership in exactly the same percentages." While the spacing unit dedication for this well is different for the Pictured Cliffs (NW/4) than it is for the Mesaverde (W/2), the ownership ***is Identical*** (same working, royalty, and overriding royalty) in the two (2) formations for this well.

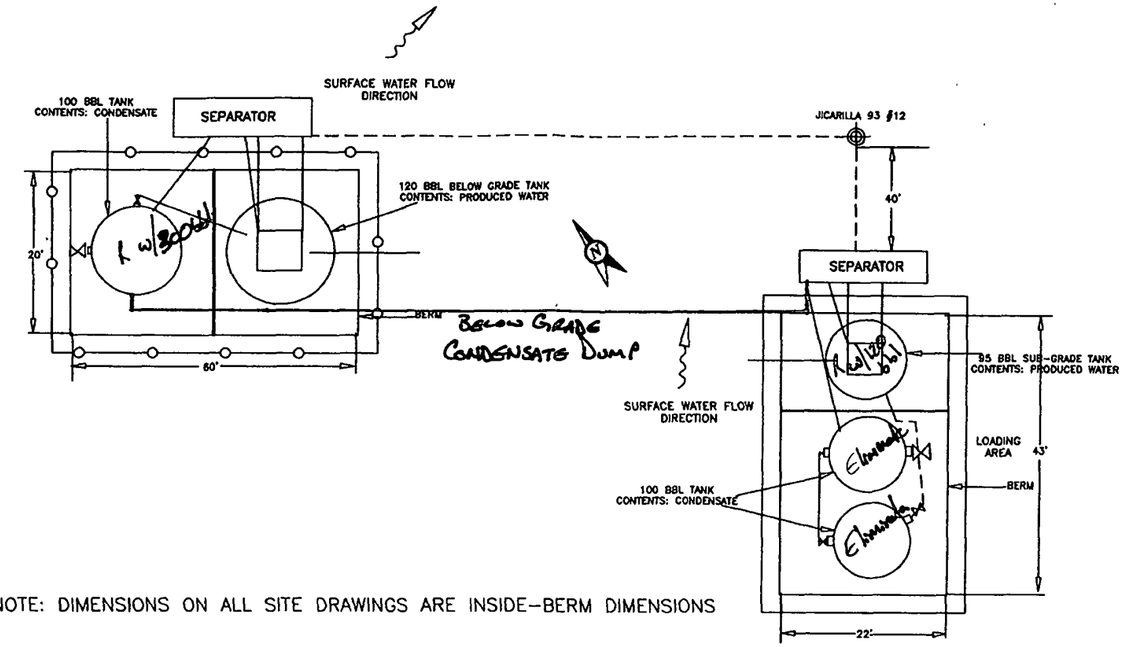
Should you have any questions, please contact the undersigned at 539-573-2878.

Sincerely,

Brennan West
Landman
WPX Energy Production, LLC



The Williams Production Jicarilla 93 #12MV/PC, is located approximately 4.3 miles northeast of Tapicito Creek; which is a tributary of Canyon Largo wash located approximately 20.1 miles to the west, see Vicinity Map. Canyon Largo wash is a tributary of San Juan River located approximately 61.8 miles to the northwest.



NOTE: DIMENSIONS ON ALL SITE DRAWINGS ARE INSIDE-BERM DIMENSIONS

POTENTIAL SPILL PREDICTIONS, VOLUMES, RATES AND CONTROL
Containment Calculation: **Williams Production Jicarilla 93 #12PC**

ABOVEGROUND STORAGE TANKS

Tank Serial #	Contents	Volume (BBL)	Tank Construction	Tank Dimensions (D x H) (ft)	Shape & Alignment	Containment Structure
G1-7884	Condensate	100	Steel	8 x 15	Round Vertical	Earth berm with liner

BELOW GRADE STORAGE TANKS

Tank Serial #	Contents	Volume (BBL)	Tank Construction	Tank Dimensions (D x H) (ft)	Shape & Alignment	Containment Structure
Below Grade	Produced Water	80	Steel	12 x 4	Round Vertical	Tank is buried

All of the above tankage and lines are inside secondary containment

Secondary Containment Calculations for Diked Storage Areas

Note: One100 bbl above ground tank on site
Total Required Volume calculated from one 100 bbl hydrocarbon liquids tank

Tank Battery

Dike Specifications (ft)			
		Largest Tank Volume (bbl)	100
		Tank Radius (ft)	4
Length	60	Number of Tanks	1
Width	20		
Height of Berm	0.67		

Base of Tank Area = 3.14(r^2) 50.3 ft^2

Sufficient Freeboard:

100 yr., 24 Hour Storm Event = 2" (estimate) = 0.1667'
(Source http://hdsc.nws.noaa.gov/hdsc/pfds/sa/nm_pfds.html)

Displacement from 100 year storm = (berm length x berm width x 0.1667') = 200.04 ft^3

Sufficient Secondary Containment:

NMOCD requires secondary containment capacity of 1.33 x volume of largest vessel in lieu of stormwater freeboard

Factor 1.33 x volume of largest vessel (1.33 x 100 bbl x 5.61 cf/bbl) 746.13 ft^3

1) Total Dike Volume Length x Width x Height

60 ft x 20 ft x .67 ft = 804.00 ft^3

2) Displacement volume due to tanks = No of Tanks x Tank Base Area x Berm Height
NOTE: Displacement volume due to tanks = 0 ft^3
if only one tank is inside containment, due to hydrostatic equilibrium

0 tank (s) x 50.3 ft^2 x 1.5 ft = 0.0 ft^3

3) Available Dike Volume = (Total Dike Volume) - (Displacement Volume due to tanks)

804.00 ft^3 - 0.0 ft^3 = 804.00 ft^3

4) Required secondary containment 100 bbl x 5.61 cf/bbl x 1.33 =cf^3 746.13 ft^3
is less than or equal to, the available dike volume.

POTENTIAL SPILL PREDICTIONS, VOLUMES, RATES AND CONTROL
Containment Calculation: **Williams Production Jicarilla 93 #12MV**

ABOVEGROUND STORAGE TANKS

Tank Serial #	Contents	Volume (BBL)	Tank Construction	Tank Dimensions (D x H) (ft)	Shape & Alignment	Containment Structure
G1-7886	Condensate	100	Steel	8 x 15	Round Vertical	Earth berm with gravel overlay
G1-7885	Condensate	100	Steel	8 x 15	Round Vertical	Earth berm with gravel overlay

SUB GRADE STORAGE TANKS

Tank Serial #	Contents	Volume (BBL)	Tank Construction	Tank Dimensions (D x H) (ft)	Shape & Alignment	Containment Structure
Sub Grade	Produced Water	26	Fiberglass	8 x 3	Round Vertical	Earth pit

All of the above tankage and lines are inside secondary containment

Secondary Containment Calculations for Diked Storage Areas

Note Two 100 bbl above ground tanks on site
Total Required Volume calculated from one 100 bbl hydrocarbon liquids tank

Tank Battery

Dike Specifications (ft)			
		Largest Tank Volume (bbl)	100
		Tank Radius (ft)	4
Length	43	Number of Tanks	2
Width	22		
Height of Berm	1.25		

Base of Tank Area = 3.14(r^2) 50.3 ft^2

Sufficient Freeboard:

100 yr., 24 Hour Storm Event = 2" (estimate) = 0.1667'
(Source. http://hdsc.nws.noaa.gov/hdsc/pfds/sa/nm_pfds.html)

Displacement from 100 year storm = (berm length x berm width x 0.1667') = 157.70 ft^3

Sufficient Secondary Containment:

NMOCD requires secondary containment capacity of 1.33 x volume of largest vessel in lieu of stormwater freeboard

Factor 1.33 x volume of largest vessel (1.33 x 100 bbl x 5.61 cf/bbl) 746.13 ft^3

1) Total Dike Volume Length x Width x Height

43 ft x 22 ft x 1.25 ft = 1,182.50 ft^3

2) Displacement volume due to tanks = No. of Tanks x Tank Base Area x Berm Height
NOTE: Displacement volume due to tanks = 0 ft^3
if only one tank is inside containment, due to hydrostatic equilibrium

1 tank (s) x 50.3 ft^2 x 1.25 ft = 62.9 ft^3

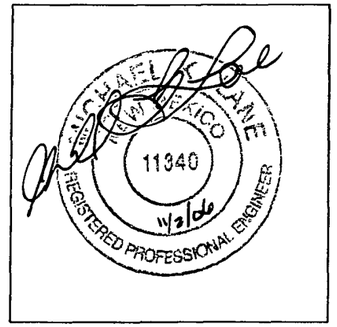
3) Available Dike Volume = (Total Dike Volume) - (Displacement Volume due to tanks)

1,182.50 ft^3 - 62.9 ft^3 = 1,196.60 ft^3

4) Required secondary containment 100 bbl x 5.61 cf/bbl x 1.33 =cf^3 746.13 ft^3
is less than or equal to, the available dike volume.

Certification:

I hereby certify that I, or a person under my direction, have examined the location and, being familiar with the provisions of 40 CFR 112, attest that this drawing, as an attachment to the referenced SPCC Plan, has been prepared in accordance with good engineering practice.



LEGEND

WELL HEAD	SUB GRADE EQUIPMENT
PIPING/EQUIPMENT	UNDERGROUND PIPING
FENCE	BERM

Williams Production Co. LLC
South Conventional SPCC Plan
Jicarilla 93 #12MV/PC
SEC. 34, T-27-N, R-3-W
Rio Arriba County, New Mexico
Latitude: N36 31 56.0 Longitude: 107 08 06.6

SCALE: NTS	FIGURE NO. JICARILLA 93 #12MV	REV
PROJECT NO. 5916096		

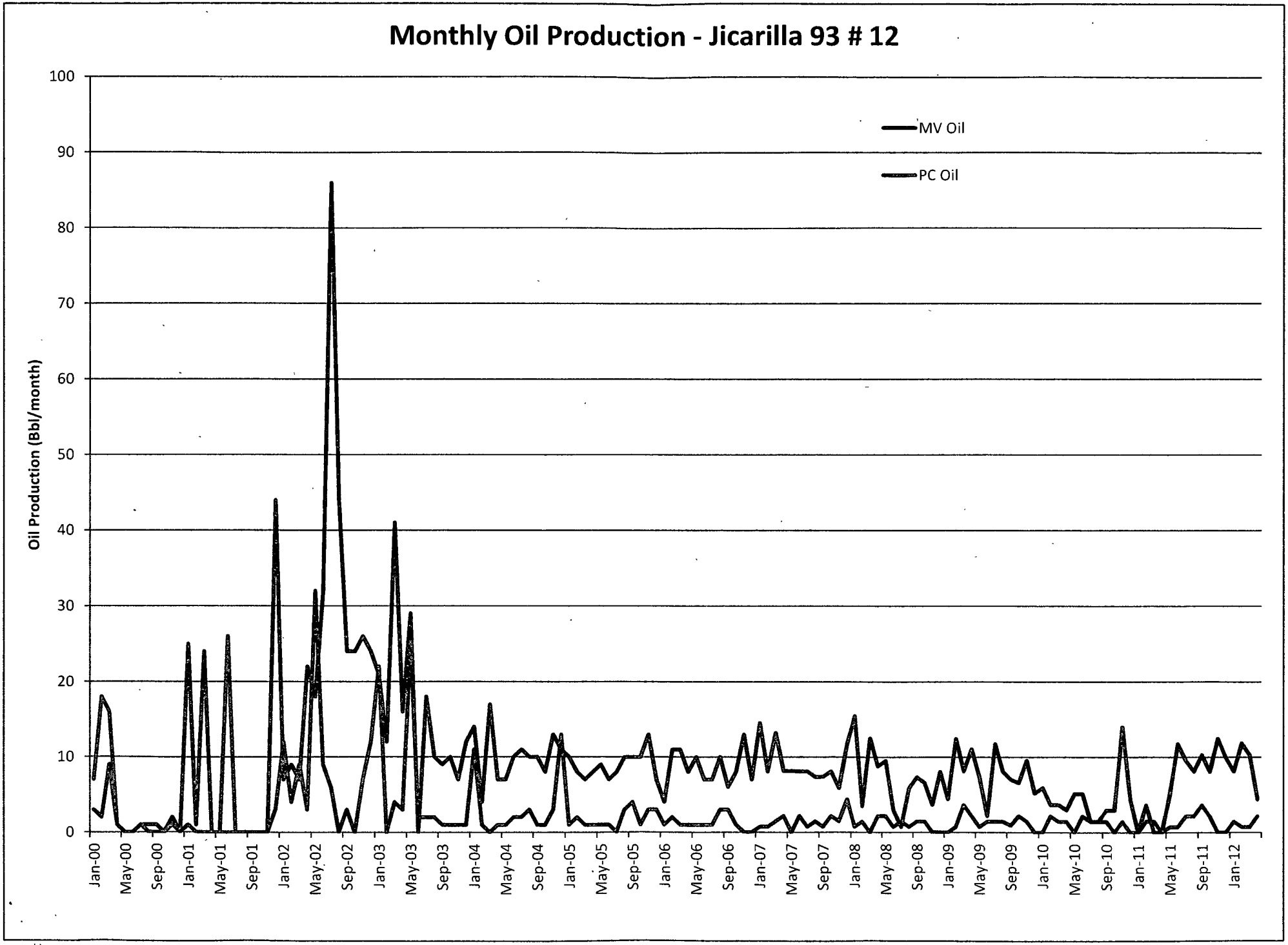
REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	LL	8/15/2006	BASE DRWN LL 8/15/2006

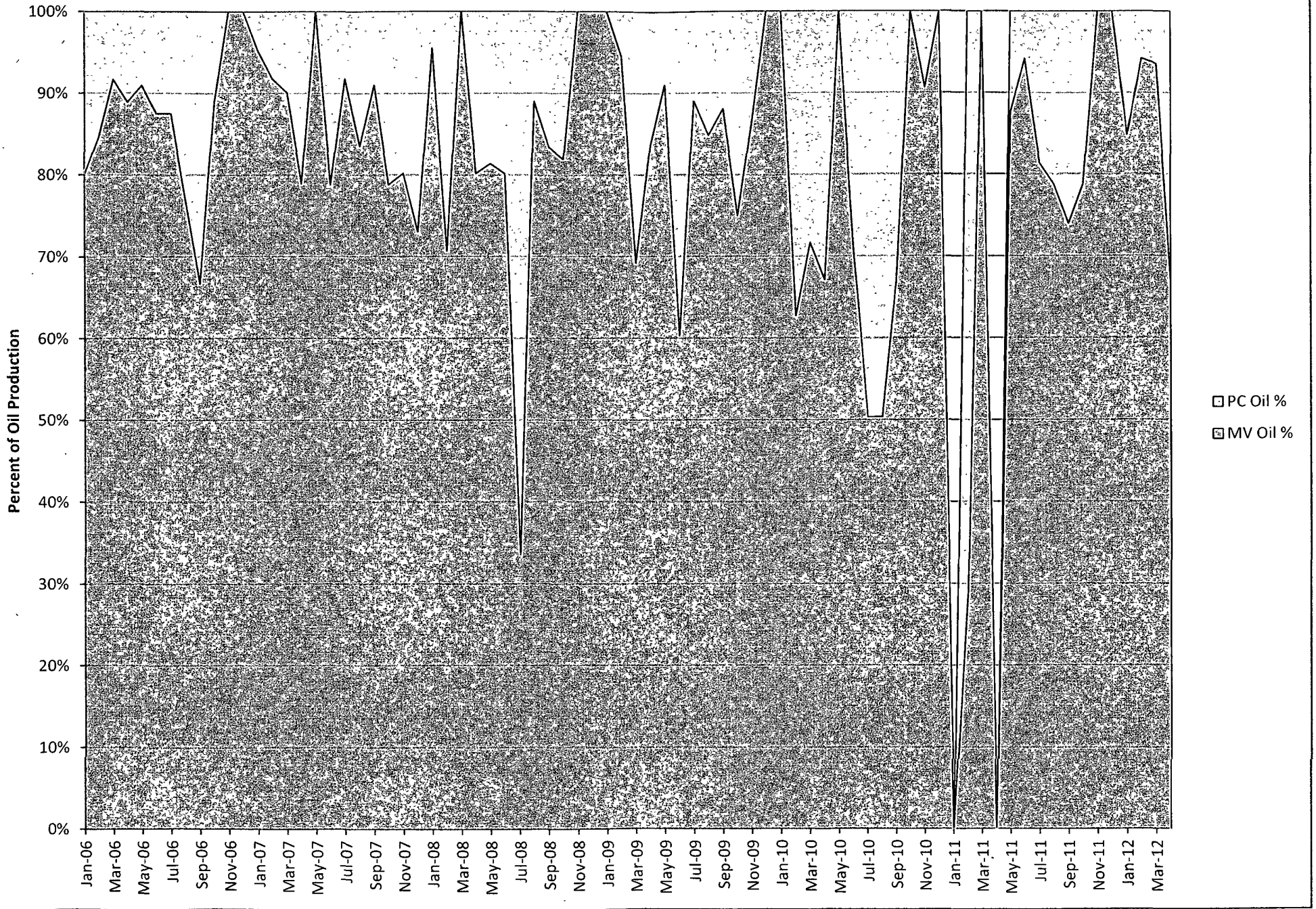
Animas Environmental Services
612 E MURRAY DRIVE FARMINGTON NM 87401 505-327-1072

I, Lavina Lamore, personally examined the referenced location on 9/10/06.

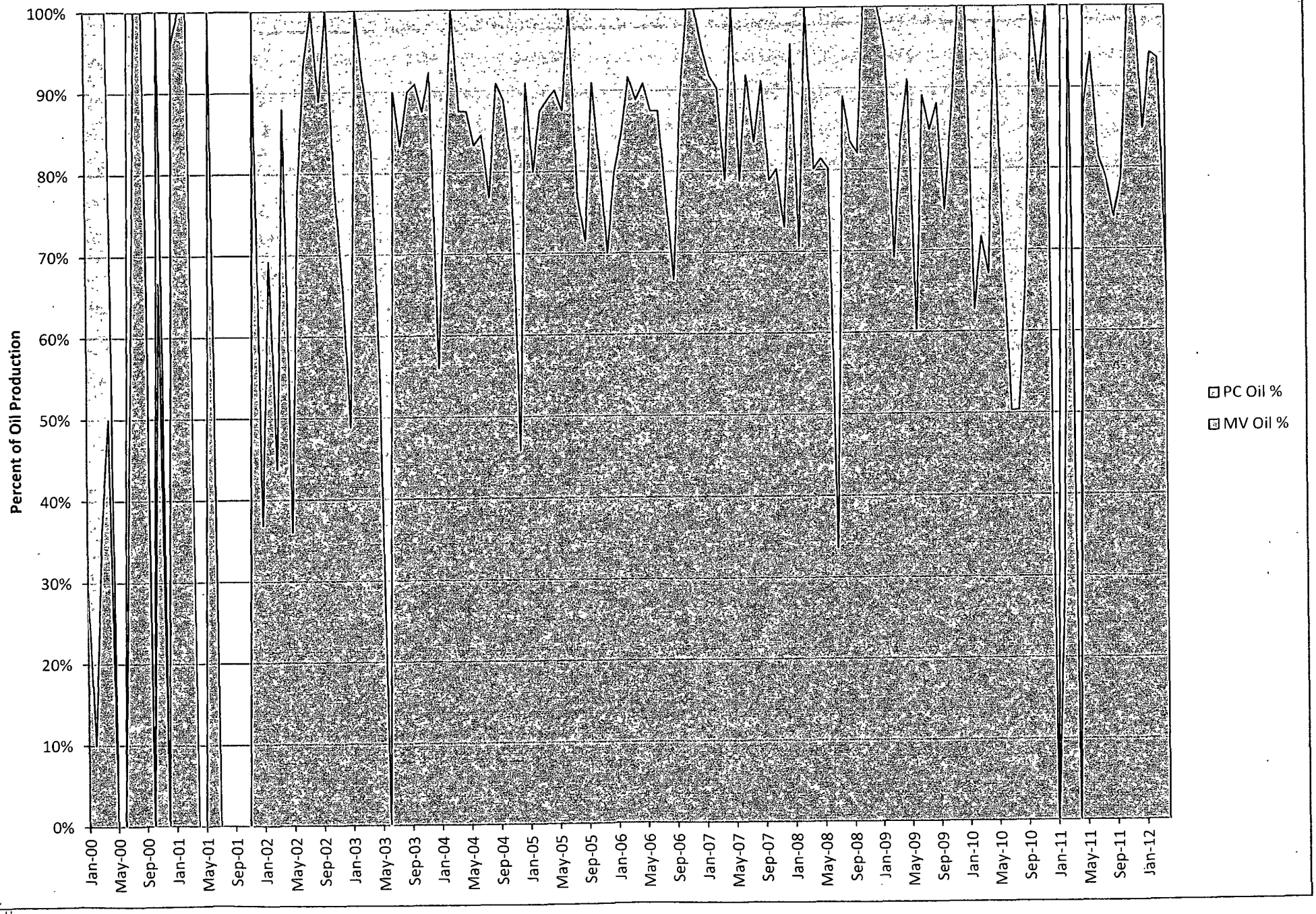
Monthly Oil Production - Jicarilla 93 # 12



Percentage of Oil From Respective Zones - Jicarilla 93 # 12



Percentage of Oil From Respective Zones - Jicarilla 93 # 12



30-Jun-11	2279	JICARILLA 93 #12	MESAVERDE	62041546	1.26	11.77
31-Jul-11	2395	JICARILLA 93 #12	MESAVERDE	62041546	1.26	9.537
31-Aug-11	2393	JICARILLA 93 #12	MESAVERDE	62041546	1.26	8.077
30-Sep-11	2234	JICARILLA 93 #12	MESAVERDE	62041546	1.26	10.29
31-Oct-11	2252	JICARILLA 93 #12	MESAVERDE	62041546	1.26	8.07
30-Nov-11	2164	JICARILLA 93 #12	MESAVERDE	62041546	1.26	12.47
31-Dec-11	2185	JICARILLA 93 #12	MESAVERDE	62041546	1.26	9.912
31-Jan-12	2101.12	JICARILLA 93 #12	MESAVERDE	62041546	1.26	8.1
29-Feb-12	1931.1	JICARILLA 93 #12	MESAVERDE	62041546	1.26	11.84
31-Mar-12	2079	JICARILLA 93 #12	MESAVERDE	62041546	1.26	10.31
30-Apr-12	1446	JICARILLA 93 #12	MESAVERDE	62041546	1.26	4.39

P_DATE	MV Oil	PC Oil	MV Oil %	PC Oil %
31-Jan-00	3	7	30%	70%
29-Feb-00	2	18	10%	90%
31-Mar-00	9	16	36%	64%
30-Apr-00	1	1	50%	50%
31-May-00	0	0		
30-Jun-00	0	0		
31-Jul-00	1	1	50%	50%
31-Aug-00	1	0	100%	0%
30-Sep-00	1	0	100%	0%
31-Oct-00	0	0		
30-Nov-00	2	1	67%	33%
31-Dec-00	0	0		
31-Jan-01	25	1	96%	4%
28-Feb-01	1	0	100%	0%
31-Mar-01	24	0	100%	0%
30-Apr-01	0	0		
31-May-01	0	0		
30-Jun-01	26	0	100%	0%
31-Jul-01	0	0		
31-Aug-01	0	0		
30-Sep-01	0	0		
31-Oct-01	0	0		
30-Nov-01	0	0		
31-Dec-01	44	3	94%	6%
31-Jan-02	7	12	37%	63%
28-Feb-02	9	4	69%	31%

31-Mar-02	7	9	44%	56%
30-Apr-02	22	3	88%	12%
31-May-02	18	32	36%	64%
30-Jun-02	32	9	78%	22%
31-Jul-02	86	6	93%	7%
31-Aug-02	44	0	100%	0%
30-Sep-02	24	3	89%	11%
31-Oct-02	24	0	100%	0%
30-Nov-02	26	7	79%	21%
31-Dec-02	24	12	67%	33%
31-Jan-03	21	22	49%	51%
28-Feb-03	12	0	100%	0%
31-Mar-03	41	4	91%	9%
30-Apr-03	16	3	84%	16%
31-May-03	29	25	54%	46%
30-Jun-03	0	2	0%	100%
31-Jul-03	18	2	90%	10%
31-Aug-03	10	2	83%	17%
30-Sep-03	9	1	90%	10%
31-Oct-03	10	1	91%	9%
30-Nov-03	7	1	88%	13%
31-Dec-03	12	1	92%	8%
31-Jan-04	14	11	56%	44%
29-Feb-04	4	1	80%	20%
31-Mar-04	17	0	100%	0%
30-Apr-04	7	1	88%	13%
31-May-04	7	1	88%	13%
30-Jun-04	10	2	83%	17%
31-Jul-04	11	2	85%	15%
31-Aug-04	10	3	77%	23%
30-Sep-04	10	1	91%	9%
31-Oct-04	8	1	89%	11%
30-Nov-04	13	3	81%	19%
31-Dec-04	11	13	46%	54%
31-Jan-05	10	1	91%	9%
28-Feb-05	8	2	80%	20%
31-Mar-05	7	1	88%	13%
30-Apr-05	8	1	89%	11%
31-May-05	9	1	90%	10%
30-Jun-05	7	1	88%	13%
31-Jul-05	8	0	100%	0%
31-Aug-05	10	3	77%	23%
30-Sep-05	10	4	71%	29%
31-Oct-05	10	1	91%	9%
30-Nov-05	13	3	81%	19%
31-Dec-05	7	3	70%	30%

31-Jan-06	4	1	80%	20%
28-Feb-06	11	2	85%	15%
31-Mar-06	11	1	92%	8%
30-Apr-06	8	1	89%	11%
31-May-06	10	1	91%	9%
30-Jun-06	7	1	88%	13%
31-Jul-06	7	1	88%	13%
31-Aug-06	10	3	77%	23%
30-Sep-06	6	3	67%	33%
31-Oct-06	8	1	89%	11%
30-Nov-06	13	0	100%	0%
31-Dec-06	7	0	100%	0%
31-Jan-07	14.504	0.726	95%	5%
28-Feb-07	8.069	0.725	92%	8%
31-Mar-07	13.205	1.451	90%	10%
30-Apr-07	8.14	2.176	79%	21%
31-May-07	8.13	0	100%	0%
30-Jun-07	8.089	2.176	79%	21%
31-Jul-07	8.089	0.725	92%	8%
31-Aug-07	7.354	1.451	84%	16%
30-Sep-07	7.356	0.725	91%	9%
31-Oct-07	8.092	2.176	79%	21%
30-Nov-07	5.885	1.451	80%	20%
31-Dec-07	11.77	4.352	73%	27%
31-Jan-08	15.448	0.726	96%	4%
29-Feb-08	3.489	1.45	71%	29%
31-Mar-08	12.51	0	100%	0%
30-Apr-08	8.809	2.176	80%	20%
31-May-08	9.537	2.176	81%	19%
30-Jun-08	2.935	0.726	80%	20%
31-Jul-08	0.733	1.45	34%	66%
31-Aug-08	5.869	0.726	89%	11%
30-Sep-08	7.336	1.451	83%	17%
31-Oct-08	6.602	1.451	82%	18%
30-Nov-08	3.668	0	100%	0%
31-Dec-08	8.07	0	100%	0%
31-Jan-09	4.402	0	100%	0%
28-Feb-09	12.471	0.725	95%	5%
31-Mar-09	8.14	3.627	69%	31%
30-Apr-09	11.076	2.176	84%	16%
31-May-09	7.352	0.725	91%	9%
30-Jun-09	2.204	1.451	60%	40%
31-Jul-09	11.766	1.451	89%	11%
31-Aug-09	8.091	1.45	85%	15%
30-Sep-09	7.01	0.951	88%	12%
31-Oct-09	6.574	2.191	75%	25%

30-Nov-09	9.55	1.46	87%	13%
31-Dec-09	5.18	0	100%	0%
31-Jan-10	5.92	0	100%	0%
28-Feb-10	3.668	2.18	63%	37%
31-Mar-10	3.668	1.451	72%	28%
30-Apr-10	2.96	1.452	67%	33%
31-May-10	5.147	0	100%	0%
30-Jun-10	5.148	2.177	70%	30%
31-Jul-10	1.47	1.451	50%	50%
31-Aug-10	1.471	1.451	50%	50%
30-Sep-10	2.941	1.451	67%	33%
31-Oct-10	2.942	0	100%	0%
30-Nov-10	13.974	1.452	91%	9%
31-Dec-10	4.402	0	100%	0%
31-Jan-11	0	0		
28-Feb-11	1.472	3.628	29%	71%
31-Mar-11	1.469	0	100%	0%
30-Apr-11	0	0		
31-May-11	5.15	0.726	88%	12%
30-Jun-11	11.766	0.725	94%	6%
31-Jul-11	9.537	2.177	81%	19%
31-Aug-11	8.077	2.177	79%	21%
30-Sep-11	10.291	3.629	74%	26%
31-Oct-11	8.07	2.176	79%	21%
30-Nov-11	12.471	0	100%	0%
31-Dec-11	9.912	0	100%	0%
31-Jan-12	8.1	1.451	85%	15%
29-Feb-12	11.84	0.725	94%	6%
31-Mar-12	10.309	0.708	94%	6%
30-Apr-12	4.39	2.172	67%	33%

	MV	PC
average ratio since Jan 2000	81%	19%
average ratio since Jan 2001	82%	18%
average ratio since Jan 2002	82%	18%
average ratio since Jan 2003	83%	17%
average ratio since Jan 2004	83%	17%
average ratio since Jan 2005	84%	16%
average ratio since Jan 2006	84%	16%
average ratio since Jan 2007	83%	17%
average ratio since Jan 2008	82%	18%
average ratio since Jan 2009	82%	18%
average ratio since Jan 2010	81%	19%
average ratio since Jan 2011	83%	17%
Allocation Percentage	**82%**	**18%**