

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO 1004-0137  
Expires July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5 Lease Serial No.			
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						NM-99034			
2 Name of Operator Yates Petroleum Corporation						7 Unit or CA Agreement Name and No			
3. Address 105 S. 4th Str., Artesia, NM 88210			3a Phone No (include area code) 505-748-1471			8. Lease Name and Well No Juniper BIP Federal #5			
4 Location of Well (Report location clearly and in accordance with Federal requirements)*  At Surface 1780'FNL & 1650'FWL (Unit F, SENW) <b>MAR 14 2008</b> <b>OCD-ARTESIA</b>  At top prod. Interval reported below    At total depth						9 API Well No 30-015-28577			
						10 Field and Pool or Exploratory Cedar Canyon; Bone Spring			
						11 Sec., T, R, M., on Block and Survey or Area Section 4-T24S-R29E			
						12 County or Parish Eddy			
						13 State New Mexico			
14 Date Spudded Re-Entry 7/9/07		15 Date T.D. Reached 9/7/07		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 2/21/08		17 Elevations (DF, RKB, RT, GL)* 3078'GL 3093'KB			
18 Total Depth MD 9170' TVD NA		19. Plug Back T.D. MD 9125' TVD NA		20. Depth Bridge Plug Set. MD NA TVD NA					
21 Type Electric & Other Mechanical Logs Run (Submit copy of each)  CNL, Hi-Res Laterolog Array, CBL				22 Was Well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)					
23 Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	State Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8"	54.5#	Surface	650'		In Place			
11"	8-5/8"	32#	Surface	2861'		In Place			
7-7/8"	5-1/2"	15.5#, 17#	Surface	9170'		1100 sx		Surface	
24 Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	7409'								
25 Producing Intervals					26 Perforation Record				
Formation		Top	Bottom		Perforated Interval	Size	No Holes	Perf. Status	
A) Bone Spring		7537'	8806'						
B)									
C)								SEE ATTACHED SHEET	
D)									
27 Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval		Amount and Type of Material							
8608'-8806'		Acidize w/1500g 7-1/2% HCL acid w/45 ball sealers							
		Frac w/a water frac, 744 bbls fluid, 60,000# 20/40 Expedite							
7537'-7794'		Acidize w/1500g 7-1/2% HCL acid w/45 ball sealers							
		Frac w/a XL frac, 695 bbls fluid, 60,000# 20/40 Expedite							
28 Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
2/22/08	3/11/08	24	→	19	172	41	NA	NA	Flowing
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
NA	100 psi	70 psi	→	19	172	41	NA	Producing	
28a Production-Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

## 28b Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg.	Csg Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 28c Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg.	Csg Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29 Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

## 30. Summary of Porous Zones (Include Aquifers)

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31 Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc	Name	Top
					Meas. Depth
				Rustler	514'
				TOS	650'
				BOS	2802'
				Bell Canyon	3050'
				Cherry Canyon	4090'
				Brushy Canyon	5510'
				Bone Spring	6758'

32 Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd)  
 ☐ Geologic Report  
 ☐ DST Report  
 ☒ Directional Survey  
☐ Sundry Notice for plugging and cement verification  
 ☐ Core Analysis  
 ☒ Other Deviation Survey

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

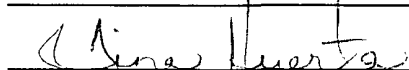
Name (please print)

Tina Huerta

Title

Regulatory Compliance Supervisor

Signature



Date

March 11, 2008

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

(Continued on page 3)

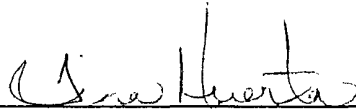
(Form 3160-4, page2)

Yates Petroleum Corporation  
Juniper BIP Federal #5  
Section 4-T24S-R29E  
Eddy County, New Mexico  
Page 3

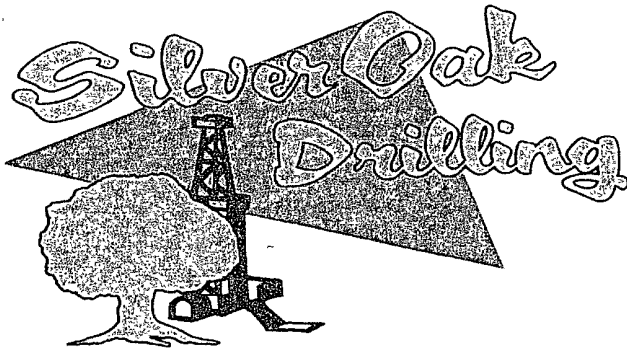
**Form 3160-4 continued:**

**26. Perforation Record**

Perforated Interval	Size	No. Holes	Perf. Status
8608'-8614'		7	Producing
8718'-8722'		5	Producing
8766'-8770'		5	Producing
8792'-8797'		6	Producing
8800'		1	Producing
8802'-8806'		5	Producing
7537'-7545'		9	Producing
7654'-7657'		4	Producing
7711'-7715'		5	Producing
7754'-7760'		7	Producing
7792'-7794'		3	Producing



Regulatory Compliance Supervisor  
March 11, 2008



PO Box 1370  
Artesia, NM 88211-1370  
(505) 748-1288

September 13, 2007

Yates Petroleum Corporation  
105 S. 4th  
Artesia, NM 88211-1395

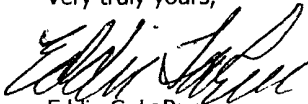
RE: Juniper BIP Federal #5  
1780' FNL & 1650' FWL  
Sec. 4, T24S, R29E  
Eddy County, New Mexico

Dear Sir,

The attached is the Deviation Survey for the above captioned well.

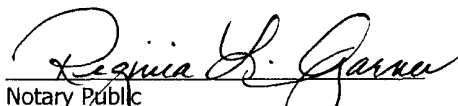
(Attached Edited Pason Survey)

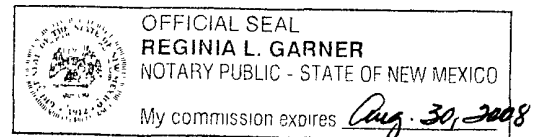
Very truly yours,

  
Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 13<sup>th</sup> day of September, 2007.

  
Notary Public



# Pason DataHub Deviation Survey 2007/09/13 13:57:32

# Well Dossier 1188519033 - JUNIPER BIP FEDERAL #5 EDITED

#

#

Date	Depth	Deviation	Direction	TVD	Horiz Disp
09/01/2007	6939.00	1.75	0.00	7007.00	0.00
09/01/2007	7096.00	2.00	0.00	7163.00	0.00
09/01/2007	7154.00	2.00	0.00	7225.00	0.00
09/02/2007	7372.00	2.25	0.00	7440.00	0.00
09/02/2007	7531.00	2.25	0.00	7599.00	0.00
09/02/2007	7651.00	2.50	0.00	7723.00	0.00
09/03/2007	7811.00	2.25	0.00	7879.00	0.00
09/03/2007	7962.00	2.50	0.00	8034.00	0.00
09/04/2007	8089.00	3.00	0.00	8159.00	0.00
09/05/2007	8201.00	2.64	202.81	8255.00	0.00
09/05/2007	8263.00	1.85	195.86	8317.00	0.00
09/05/2007	8325.00	1.58	191.64	8379.00	0.00
09/05/2007	8387.00	1.41	175.12	8410.00	0.00
09/05/2007	8447.00	2.11	187.51	8504.00	0.00
09/06/2007	8543.00	1.70	170.50	8597.00	0.00
09/06/2007	8634.00	1.76	169.67	0.00	0.00
09/06/2007	8727.00	1.76	173.27	0.00	0.00
09/06/2007	8821.00	1.76	175.46	8877.00	0.00
09/07/2007	8962.00	1.67	174.90	8971.00	0.00
09/07/2007	9010.00	1.93	181.71	9064.00	0.00
09/07/2007	9070.00	1.85	181.62	0.00	0.00
09/07/2007	9116.00	1.76	178.55	0.00	0.00

# EOF



***DIRECTIONAL SURVEY REPORT***

**YATES PETROLEUM**

***JUNIPER BIP FED #5***

***EDDY COUNTY, NEW MEXICO***

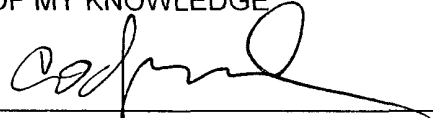
**PREPARED BY: CODY MEBANE**

Pathfinder Energy Services, Inc.  
6213 W. County Road 112 • Midland, TX • 79706  
(432)681-6000

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:  
A) JUSTIN RICE
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 9/05/07 TO 9/07/07
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:  
  
YATES PETROLEUM  
JUNIPER BIP FED #5  
EDDY COUNTY, NM  
RIG: SLIVER OAK #6
9. SURVEY CERTIFIED FROM: 8201 TO 9170 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE  
DISPLACED AT 216.82 FEET ON A BEARING OF 199.71 DEGREES FROM THE  
CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 9170 FEET,  
ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE



Cody Mebane  
M/LWD SERVICE COORDINATOR

# PATHFINDER

## ENERGY SERVICES

### DIRECTIONAL SURVEY INFORMATION

Prepared By: CODY MEBANE

Name of Client: YATES PETROLEUM

Attention: \_\_\_\_\_

☒ Directional Only Job OR ☐ Logging Job

Name(s) of Persons Performing Surveys:

A) JUSTIN RICE D) \_\_\_\_\_  
B) \_\_\_\_\_ E) \_\_\_\_\_  
C) \_\_\_\_\_ F) \_\_\_\_\_

Positions of Said Persons: Surveyors / Field Engineers: Other \_\_\_\_\_

Date(s) Survey was Performed: From 5-Sep To 7-Sep

Type of Survey Performed: (Specify if other than MWD) \_\_\_\_\_

#### IDENTIFICATION OF WELL:

Client:	<u>Yates Petroleum</u>	Rig Name:	<u>Silver Oak # 6</u>
Well No.:	<u>Juniper BIP Fed #5</u>	API No.:	<u>30-015-28577</u>
Location:	<u>Eddy County</u>	Job No.:	<u>101006739 WT-WT</u>
State:	<u>New Mexico</u>		

#### TEXAS RAILROAD COMMISSION INFORMATION:

Field: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Abstract No.: \_\_\_\_\_  
Well Plat Survey Co.: \_\_\_\_\_

Surveys Performed From 8201 Feet TO 9170 Feet

MMS / ASCII / LAS Diskette Filename: \_\_\_\_\_

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOW THE WELL TO BE DISPLACED AT 216.82  
FEET ON A BEARING OF 199.71 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT  
A PROJECTED DEPTH OF 9170 FEET, ARE TRUE AND  
CORRECT TO THE BEST OF MY KNOWLEDGE.



# PathFinder Energy Services, Inc.

## BHL Report

Page 01/01  
Tie-in Date: 09/05/2007  
Date Completed: 09/07/2007

YATES PETROLEUM  
JUNIPER BIP FED #5  
EDDY COUNTY, NEW MEXICO  
Rig:SILVER OAK #6  
PathFinder Office Supervisor: Cody Mebane  
PathFinder Field Engineers:Justin Rice

Survey Horiz. Reference:WELLHEAD  
Ref Coordinates: LAT:32.13.50.4516 N LON:104.0.7.5708 W  
GRID Reference:NAD27 new mexico east Transverse Mercator  
Ref GRID Coord: X: 602421.9934 Y: 447798.4650  
North Aligned To:GRID NORTH  
Total Magnetic Correction: 8.04° EAST TO GRID  
Vertical Section Plane: 0.00  
Survey Vert. Reference: 15.00' Rotary Table To Ground  
Altitude:3015.00' Ground To MSL

Measured Depth	9170.00	(feet)
Inclination	1.66	(deg)
Azimuth	174.54	(deg)
True Vertical Depth	9166.62	(feet)
Vertical Section	-204.11	(feet)
Survey X cord	602348.86	(feet)
Survey Y cord	447594.36	(feet)
Survey Lat	32.23012054 N	(deg)
Survey Lon	104.00234155 W	(deg)
Rectangular Corr. N/S	204.11 S	(feet)
Rectangular Corr. E/W	73.14 W	(feet)
Closure Distance	216.82	(feet)
Direction of Closure	199.71	(deg)
Dogleg Severity	0.29	(deg/100ft)

# PathFinder Energy Services, Inc.

## Survey Report

YATES PETROLEUM  
JUNIPER BIP FED #5  
EDDY COUNTY, NEW MEXICO  
Rig:SILVER OAK #6  
PathFinder Office Supervisor: Cody Mebane  
PathFinder Field Engineers: Justin Rice

Page 01/01  
Tie-in Date: 09/05/2007  
Date Completed: 09/07/2007

Survey Horiz. Reference:WELLHEAD  
Ref Coordinates: LAT:32.13.50.4516 N LON:104.0.7.5708 W  
Reference:NAD27 new mexico east Transverse Mercator  
Ref GRID Coord: X: 602421.9934 Y: 447798.4650  
North Aligned To:GRID NORTH  
Total Magnetic Correction: 8.04° EAST TO GRID  
Vertical Section Plane: 0.00  
Survey Vert. Reference: 15.00' Rotary Table To Ground  
Altitude:3015.00' Ground To MSL

Survey Calculations by RX4 using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)	DLS (dg/100ft)	
NO TIE IN PROVIDED. ASSUME VERTICAL @ 8141' MD.										
8141.00	0.00	0.00	8141.00	0.00	0.00	0.00	0.00	0.00@ 0.00	0.00	
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
8201.00	2.64	202.81	8198.10	8201.00	-174.13	174.13 S	73.23 W	188.90@ 202.81	0.03	
8263.00	1.85	195.86	8260.05	62.00	-176.41	176.41 S	74.06 W	191.33@ 202.77	1.34	
8325.00	1.58	191.64	8322.02	62.00	-178.21	178.21 S	74.51 W	193.16@ 202.69	0.48	
8355.00	1.41	175.12	8352.01	30.00	-178.98	178.98 S	74.56 W	193.89@ 202.62	1.54	
8447.00	2.11	187.51	8443.97	92.00	-181.79	181.79 S	74.68 W	196.53@ 202.33	0.86	
8540.00	1.67	170.46	8536.92	93.00	-184.82	184.82 S	74.68 W	199.34@ 202.00	0.76	
8634.00	1.76	169.67	8630.88	94.00	-187.59	187.59 S	74.20 W	201.73@ 201.58	0.10	
8727.00	1.76	173.27	8723.83	93.00	-190.42	190.42 S	73.77 W	204.21@ 201.18	0.12	
8821.00	1.76	175.47	8817.79	94.00	-193.29	193.29 S	73.49 W	206.79@ 200.82	0.07	
8914.00	1.67	174.59	8910.75	93.00	-196.06	196.06 S	73.25 W	209.30@ 200.49	0.10	
9008.00	1.93	181.71	9004.70	94.00	-199.01	199.01 S	73.17 W	212.03@ 200.19	0.36	
9070.00	1.85	181.62	9066.67	62.00	-201.05	201.05 S	73.23 W	213.97@ 200.01	0.13	
9116.00	1.76	178.55	9112.64	46.00	-202.50	202.50 S	73.23 W	215.34@ 199.88	0.29	
PROJECTION TO BIT @ 9170' MD.										
9170.00	1.66	174.54	9166.62	54.00	-204.11	204.11 S	73.14 W	216.82@ 199.71	0.29	

DISTRICT I  
1828 E. French St., Hobbs, NM 88240  
DISTRICT II  
811 South First, Artesia, NM 88210  
DISTRICT III  
1000 E. Bruce Rd., Artesia, NM 87410  
DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87506

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised March 17, 1999  
Instruction on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-28577	Pool Code 11520	Pool Name Wildcat Bone Spring
Property Code 36237	Property Name Juniper BIP Federal	Well Number 5
OCRD No. 025575	Operator Name YATES PETROLEUM CORPORATION	Elevation 3075'

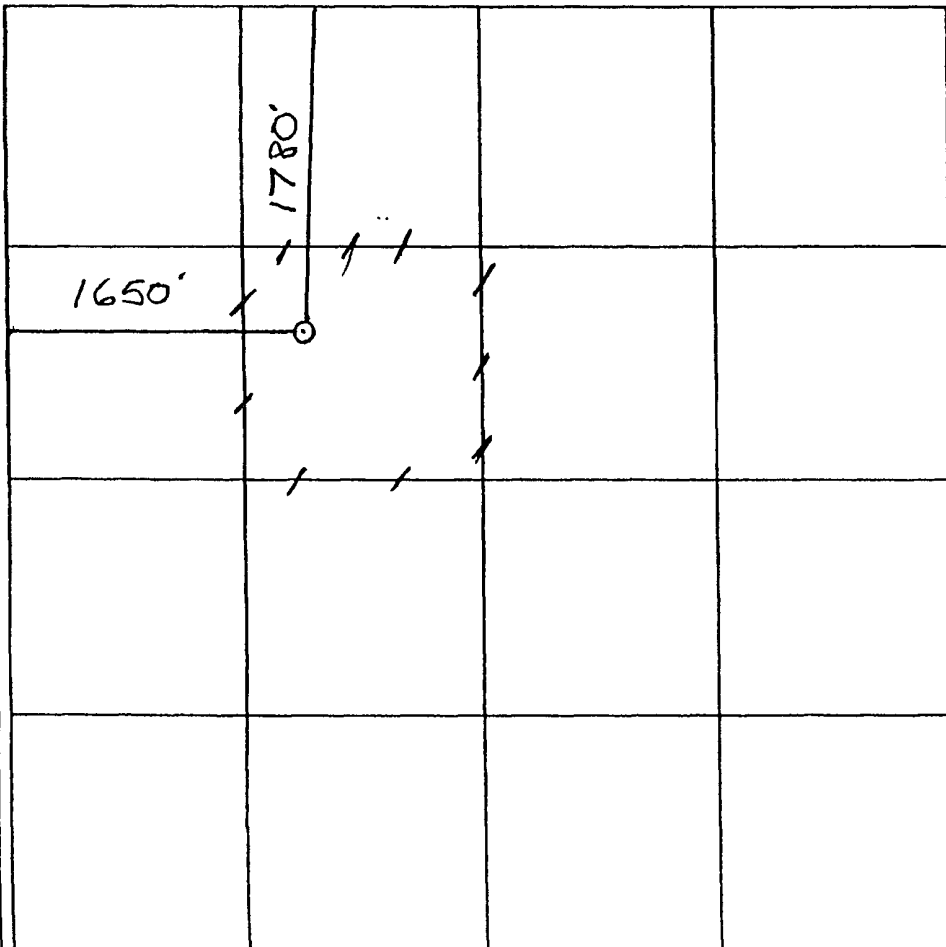
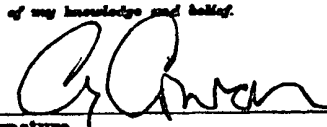
Surface Location

UL or Lot No.	Section	Township	Range	Lot 1/4	Feet from the	North/South Line	Feet from the	East/West Line	County
F	4	24S	29E		1780'	North	1650'	West	Eddy

Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot 1/4	Feet from the	North/South Line	Feet from the	East/West Line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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

	<b>OPERATOR CERTIFICATION</b>  I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.   Signature Cy Cowan  Printed Name Regulatory Agent  Title September 29, 2006  Date	
	<b>SURVEYOR CERTIFICATION</b>  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.  REFER TO ORIGINAL PLAT.  Date Surveyed  Signature & Seal of Professional Surveyor	
	Certificate No. Herschel L. Jones RLS 3640  GENERAL SURVEYING COMPANY	

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
PO BOX 2088, SANTA FE, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Instruction on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

# OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		WILDCAT
Property Code	Property Name C.F. "4" FEDERAL	Well Number 1
GRID No. 014007	Operator Name MARLO INC.	Elevation 3075

### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	4	24 S	29 E		1780	NORTH	1650	WEST	EDDY

### 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
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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

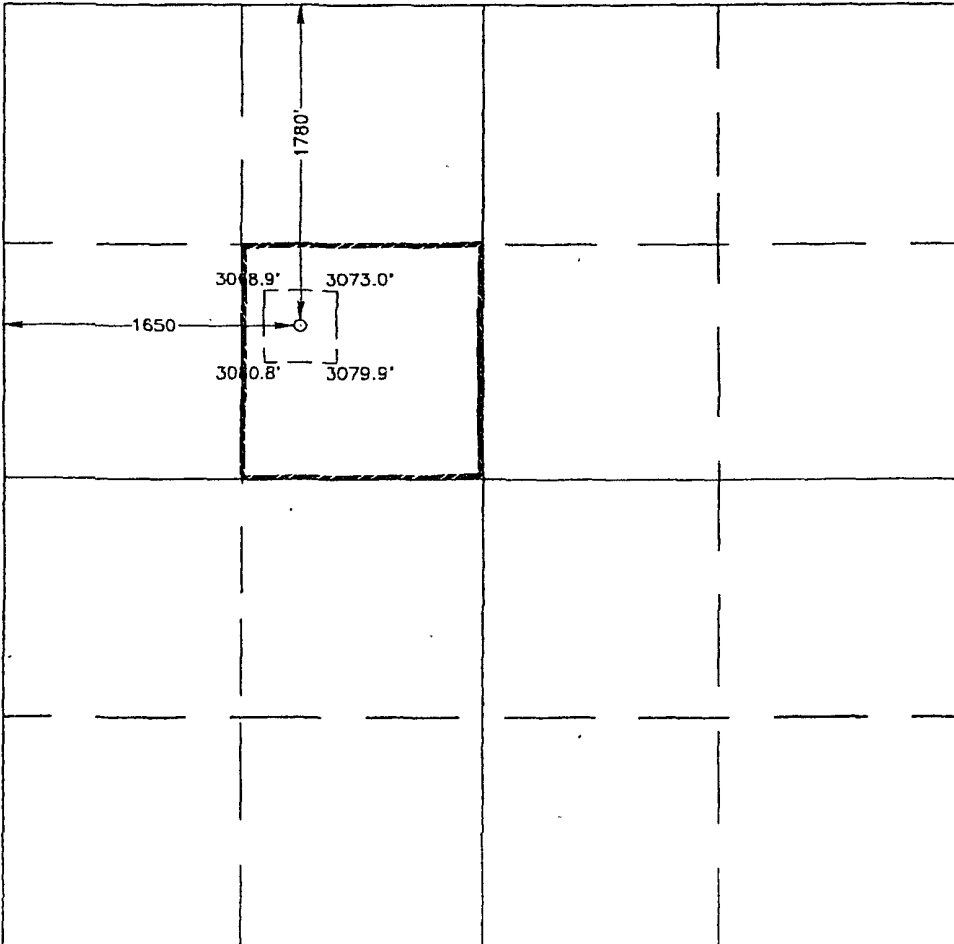

	<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.   Signature Joe T. Janica Printed Name Agent Title 05/03/95 Date
	<b>SURVEYOR CERTIFICATION</b>  I hereby certify that the well location shown on this plat 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.  APRIL 25, 1995 Date Surveyed J. EIDSON Signature Professional Surveyor NEW MEXICO 3289 54-27.95 S.O. (N.M.) 95-19 0647 Certificate No. JOHN WEST 676 J EIDSON 3232 EIDSON 12641

EXHIBIT "A"