

PKRV0313627986

DHC  
DRC

NA

District I  
1625 N. French Drive, Hobbs, NM 88240

District II  
811 South First Street, 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 Department

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

Form C-107A  
Revised May 15, 2000

APPLICATION TYPE  
Single Well  
Establish Pre-Approved Pools  
EXISTING WELLBORE  
Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

Devon Energy Production Company, L.P.  
Operator

20 N. Broadway, Suite 1500, Oklahoma City, OK 73102  
Address

MESA VERDE 6 FEDERAL

5

UNIT G, SEC 6 24S 32E

LEA

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No.6137 Property Code30872 API No.30-025-32504 Lease Type: ☒Federal ☐State ☐Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	MESA VERDE DELAWARE		MESA VERDE BONE SPRING
Pool Code	96191		96229
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	7217' - 7227'		8526' - 8590 9692' - 9710'
Method of Production (Flowing or Artificial Lift)	ARTIFICIAL LIFT		ARTIFICIAL LIFT
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	41		40
Producing, Shut-In or New Zone	Producing		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date:3/19/03  Rates: 5 BO 21 MCF 61 BW	Date:  Rates:	Date:5/10/03  Rates:46 BO 98 MCF 17 BW
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 13% 19 %	Oil Gas % %	Oil Gas 87% 81 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

YesXNo  
Yes No

Are all produced fluids from all commingled zones compatible with each other?

YesXNo

Will commingling decrease the value of production?

Yes NoX

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands  
or the United States Bureau of Land Management been notified in writing of this application?

YesXNo

NMOCD Reference Case No. applicable to this well: DHC1564, DHC1188, DHC3130

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE James Blount TITLE OPERATIONS ENGINEER ADVISOR DATE May 13, 2003

TYPE OR PRINT NAME JAMES BLOUNT TELEPHONE NO. ( 405 ) 228-4301



ENERGY CORPORATION

20 North Broadway, Suite 1500  
Oklahoma City, Oklahoma 73102-8260

Telephone 405/228-7512  
FAX 405/552-4667

May 12, 2003

**Certified Mail No. 7001 0320 0003 8818 1994**

STATE OF NEW MEXICO  
Energy, Minerals and Natural Resources Dept.  
Attn Michael Stogner  
Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

RE: Downhole Commingling  
Mesa Verde 6 Federal 5  
Section 6-24S-32E SWNE  
API #30-025-32504  
Mesa Verde Delaware and  
Mesa Verde Bone Spring, fields  
Lea County, NM

Mr. Stogner:

Concerning the referenced, enclosed please find the Form C-103 Sundry Notice of Intent to downhole commingle and attachments (and five copies).

Please direct inquiries concerning this notice to Jim Blount at (405) 228-4301.

Yours truly,

Karen Cottom  
Engineering Tech.  
DEVON ENERGY PRODUCTION COMPANY, L.P.

/kac  
Enclosures

c: BLM w/3160-5 Sundry Notice of Intent & attachments.

## Mesa Verde 6 Federal #5

### Allocation Formula

Well Name	Producing Formation	*Daily Production Test 3-4 month average	% of Total Oil
Mesa Verde 6 Federal #5	(96191)Mesa Verde Delaware	5 BO/ 21 MCF/ 61 BW	13 %
Mesa Verde 6 Federal #5	(96229)Mesa Verde Bone Spring	46 BO/ 98 MCF/ 17 BW	87 %

\* From attached production plots

The above production test represents stable production from a Delaware producer and a Bone Spring producer. We believe these rates of production represent an acceptable means to allocate production. **We have previously received approval for downhole commingling in these fields utilizing a similar allocation method.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**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 reverse side.**

5. Lease Serial No.  
NM77064

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
MESA VERDE 6 FEDERAL 5

9. API Well No.  
30-025-32504

10. Field and Pool, or Exploratory  
MESA VERDE DELAWARE BONE SPR

11. County or Parish, and State  
LEA COUNTY, NM

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
DEVON ENERGY PRODUCTION CO. LP  
Contact: KAREN COTTOM  
E-Mail: karen.cottom@dvn.com

3a. Address  
20 NORTH BROADWAY  
OKLAHOMA CITY, OK 73102-8260  
3b. Phone No. (include area code)  
Ph: 405.228.7512  
Fx: 405.552.4621

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 6 T24S R32E SWNE 1980FNL 1980FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recompleat 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Company, L.P. is applying with the New Mexico Oil Conservation Division to downhole commingle the existing Mesa Verde Delaware (96191) perfs (7217'-7227') and with the existing Mesa Verde Bone Spring (96229) perfs (8526'- 9710'). The commingling will not reduce the value of the total remaining production. Ownership in the zones is identical.

The proposed allocations are as follows:  
96191 Mesa Verde Delaware 13% Oil 19% Gas  
96229 Mesa Verde Bone Spring 87% Oil 81% Gas

Current and previous wellbore schematics are attached along with the allocation method and supporting data

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #21750 verified by the BLM Well Information System  
For DEVON ENERGY PRODUCTION CO. LP, sent to the Hobbs**

Name (Printed/Typed) KAREN COTTOM

Title ENGINEERING TECHNICIAN

Signature (Electronic Submission)

Date 05/13/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

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

**OIL CONSERVATION DIVISION**

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

WELL API NO.  
**30-025-32504**

5. Indicate Type of Lease  
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name  
**Mesa Verde 6 Federal**

8. Well No.

**5**

9. Pool name or Wildcat  
**Mesa Verde Delaware & Bone Spring**

**SUNDRY NOTICES AND REPORTS ON WELLS**

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other \_\_\_\_\_

2. Name of Operator

**DEVON ENERGY PRODUCTION COMPANY, L. P.**

3. Address of Operator

**20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 228-7512**

4. Well Location

Unit Letter G: 1980 Feet From The North Line and 1980 Feet From The East Line

Section 6

Township 24S

Range 32E

NMPM

Lea

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

**3568 GR**

Check Appropriate Box To Indicate Nature Of Notice, Report, Or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: Downhole Commingle

☒

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: \_\_\_\_\_

☐

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 1103.

Devon Energy Production Company, L.P. is applying with the New Mexico Oil Conservation Division to downhole commingle the existing Mesa Verde Delaware (96191) perfs (7217' - 7227') and with the existing Mesa Verde Bone Spring, (96229) perfs (8526' - 9710'). The commingling will not reduce the value of the total remaining production. Ownership in the zones is identical. A Sundry Notice Form 3160-5 has been sent to the Bureau of Land Management notifying them of this application.

The proposed allocations are as follows:

96191 - Mesa Verde Delaware 13% Oil 19% Gas

96229 - Mesa Verde Bone Spring 87% Oil 81% Gas

Current and previous wellbore schematics are attached along with the allocation method and supporting data

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Karen Cottom

TITLE ENGINEERING TECHNICIAN

DATE May 13, 2003

TYPE OR PRINT NAME

Karen Cottom

TELEPHONE NO. (405) 228-7512

(This space for State use)

Approved by \_\_\_\_\_

Conditions of approval, if any:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

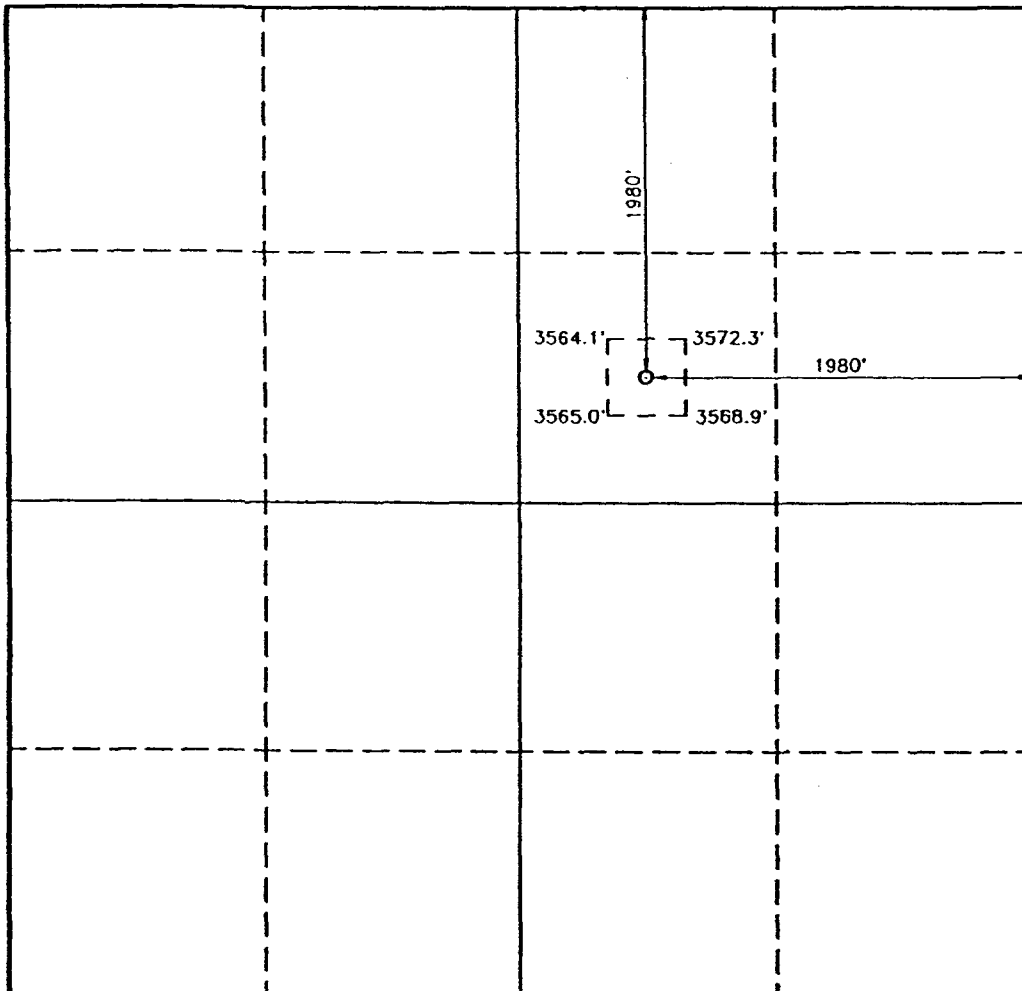
All Distances must be from the outer boundaries of the section

Operator DEVON ENERGY PRODUCTION COMPANY, LP			Lease MESA VERDE "6" FEDERAL		Well No. 5
Unit Letter G	Section 6	Township 24 SOUTH	Range 32 EAST NMPM	County LEA	
Actual Footage Location of Well:					
1980 feet from the NORTH line and		1980 feet from the EAST line			
Ground Level Elev. 3567.5'	Producing Formation DELAWARE		Pool MESA VERDE		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature  
James Blount

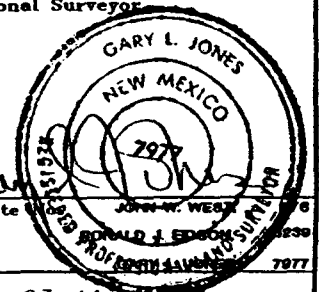
Printed Name  
Operations Engineering Advisor  
Position  
Devon Energy Production Co. Lp  
Company  
May 12, 2003  
Date

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 knowledge and belief.

Date Surveyed  
OCTOBER 9, 1993

Signature & Seal of  
Professional Surveyor



Certificate  
JOHN W. WEST  
RONALD J. EDWARDS  
7977

93-11-1500

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

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

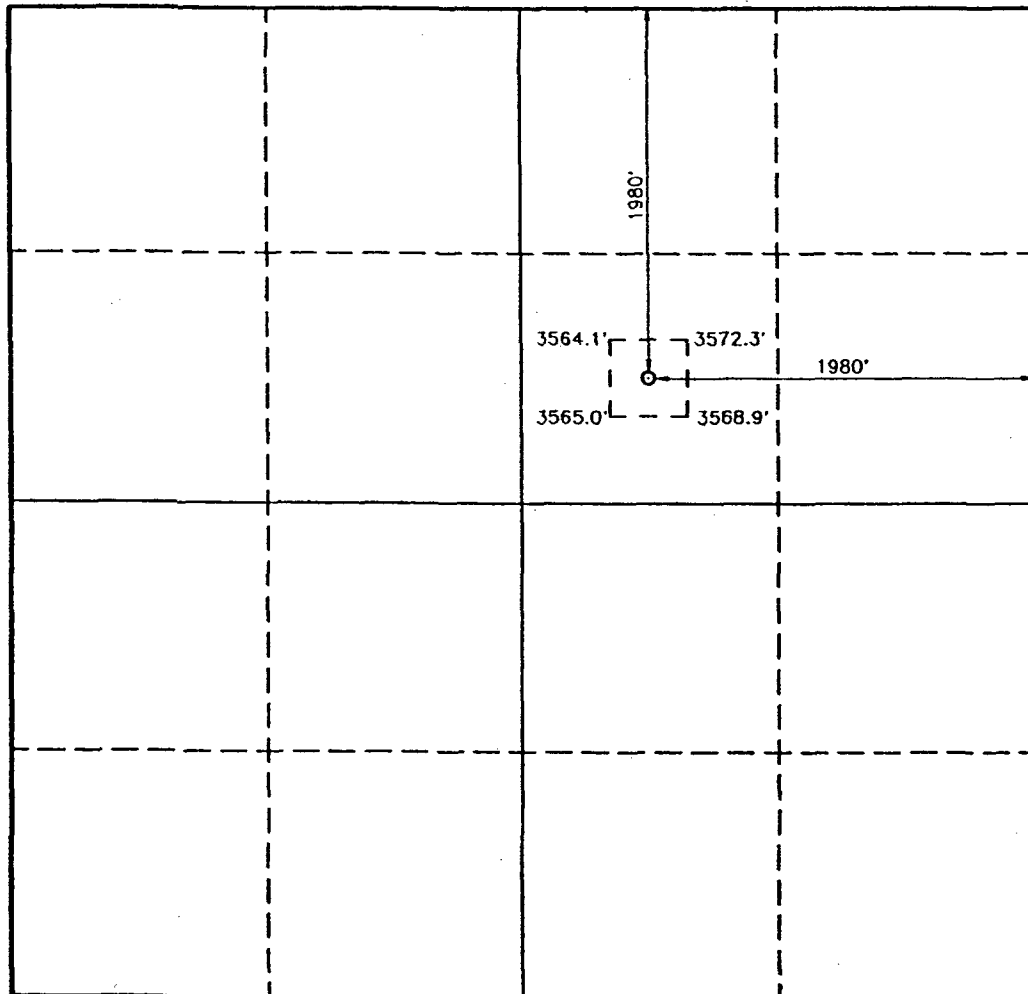
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator DEVON ENERGY PRODUCTION COMPANY, LP			Lease MESA VERDE "6" FEDERAL		Well No. 5
Unit Letter G	Section 6	Township 24 SOUTH	Range 32 EAST	NMPM	County LEA
Actual Footage Location of Well: 1980 feet from the NORTH line and 1980 feet from the EAST line					
Ground Level Elev. 3567.5'	Producing Formation Bone Spring		Pool MESA VERDE		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
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☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_  
If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)  
No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify the the information  
contained herein is true and complete to the  
best of my knowledge and belief.

Signature

Printed Name

James Blount

Position

Operations Engineering Advisor  
Company

Devon Energy Production Co. LP

Date

May 12, 2003

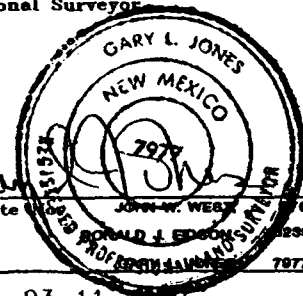
SURVEYOR CERTIFICATION

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 knowledge and  
belief.

Date Surveyed

OCTOBER 9, 1993

Signature & Seal of  
Professional Surveyor



Certificate of Survey

93-11-1500

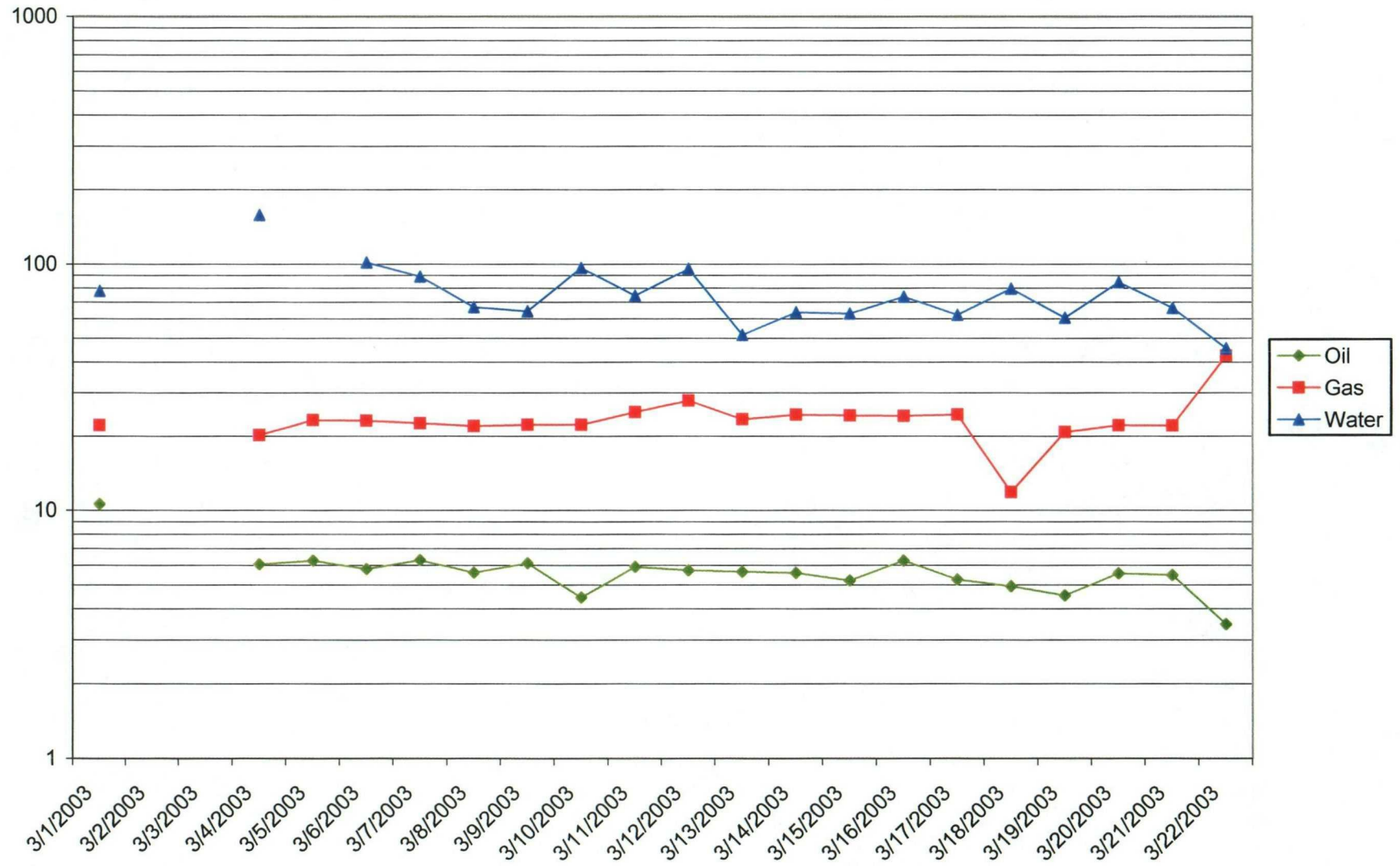
Date	Oil	Delaware	
		Gas	Water
3/1/2003	11	22	78
3/2/2003	0	0	0
3/3/2003	0	0	0
3/4/2003	6	20	158
3/5/2003	6	23	0
3/6/2003	6	23	102
3/7/2003	6	23	89
3/8/2003	6	22	67
3/9/2003	6	22	64
3/10/2003	4	22	96
3/11/2003	6	25	75
3/12/2003	6	28	96
3/13/2003	6	23	52
3/14/2003	6	24	64
3/15/2003	5	24	63
3/16/2003	6	24	74
3/17/2003	5	24	62
3/18/2003	5	12	80
3/19/2003	5	21	61
3/20/2003	6	22	84
3/21/2003	5	22	67
3/22/2003	3	42	46
	5	21	67

Date	Oil	Bone Spring extrapolated	
		Gas	Water
4/19/2003	26	78	116
4/20/2003	35	79	149
4/21/2003	17	79	49
4/22/2003	24	85	-23
4/23/2003	30	91	21
4/24/2003	35	100	57
4/25/2003	31	93	29
4/26/2003	28	95	35
4/27/2003	18	101	33
4/28/2003	25	87	42
4/29/2003	21	92	38
4/30/2003	51	81	26
5/1/2003	35	91	-12
5/2/2003	41	97	34
5/3/2003	38	97	6
5/4/2003	61	116	49
5/5/2003	41	112	23
5/6/2003	39	87	14
5/7/2003	32	96	-15
5/8/2003	41	104	-15
5/9/2003	47	100	5
5/10/2003	46	98	17
	35	94	31

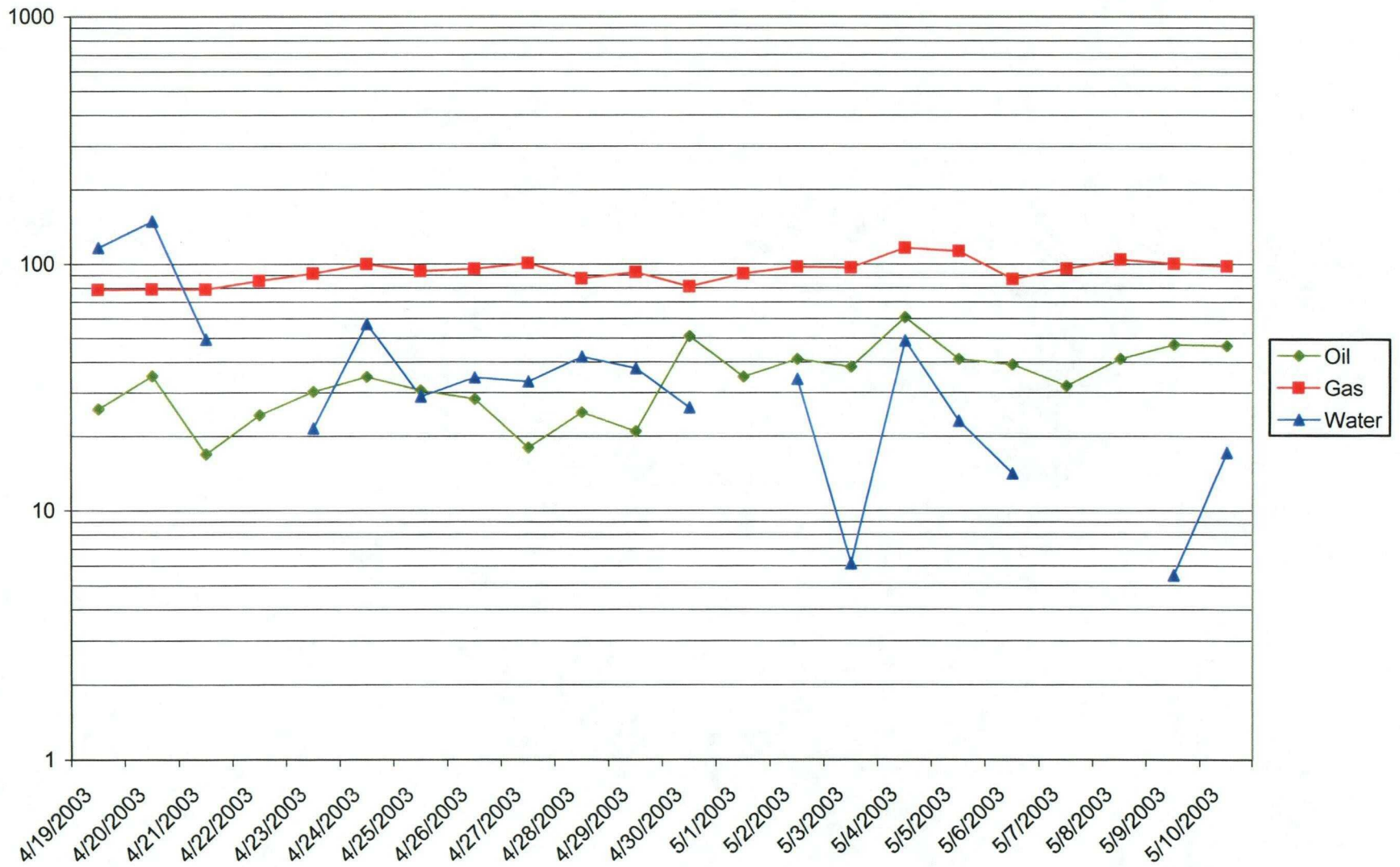
Date	Oil	Delaware & Bone Spring	
		Gas	Water
4/19/2003	30.924	99.91	183.341
4/20/2003	40.3	100.41	215.991
4/21/2003	22.072	100.2	116.346
4/22/2003	29.514	106.76	44.048
4/23/2003	35.481	112.81	88.533
4/24/2003	39.974	121.19	124.022
4/25/2003	35.784	114.87	95.947
4/26/2003	33.492	116.8	101.617
4/27/2003	23.135	122.17	100.308
4/28/2003	30.178	108.55	109.031
4/29/2003	26.121	113.77	104.67
4/30/2003	56.095	102.34	93.145
5/1/2003	39.984	112.64	55.089
5/2/2003	46.309	118.69	101.129
5/3/2003	43.364	118	73.185
5/4/2003	65.866	137.52	115.909
5/5/2003	46.293	133.87	90.074
5/6/2003	44.196	108.25	81.169
5/7/2003	37.221	117.04	52.161
5/8/2003	46.334	125.43	52.06
5/9/2003	52.132	121.69	72.543
5/10/2003	51.647	119.2	84.207

	Oil	Gas	Water
Total Completion	40	115	98
Delaware	13%	19%	68%
Bone Spring	87%	81%	32%

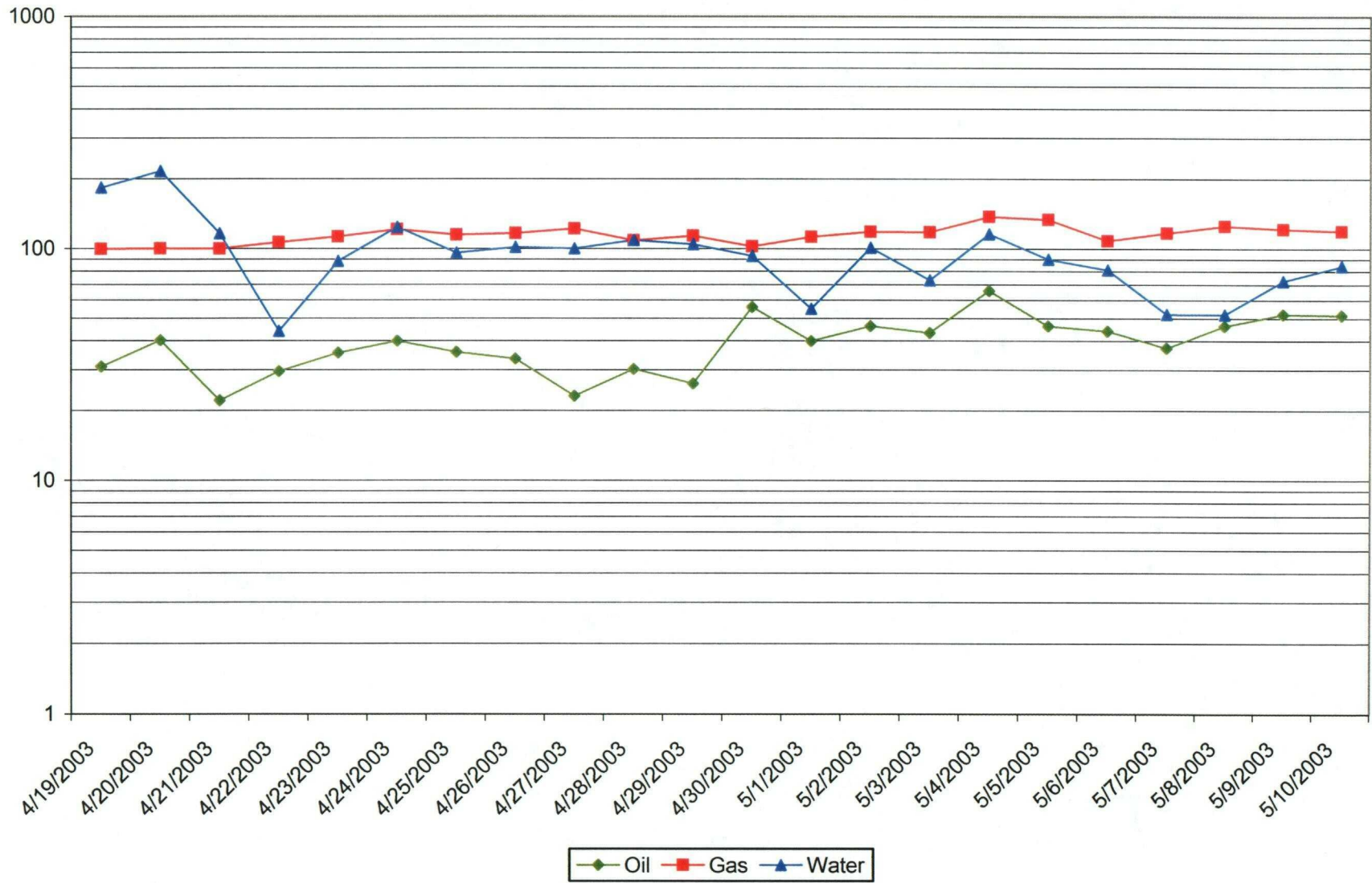
# Delaware



# Bone Spring



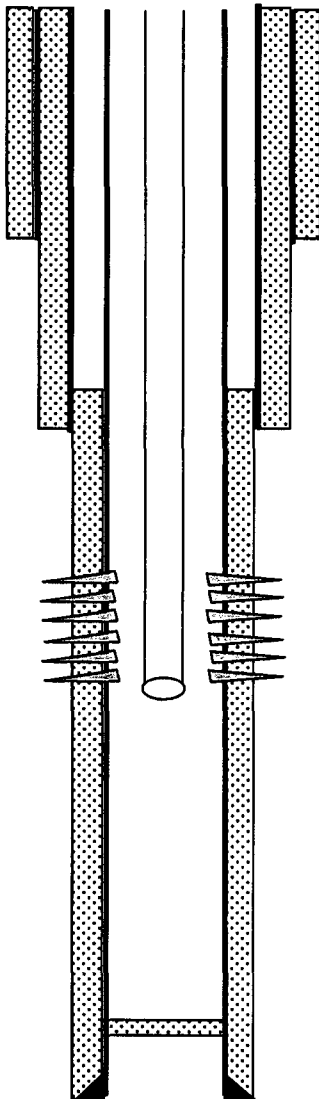
## Delaware & Bone Spring



# DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: Mesa Verde 6 Federal #5			FIELD: Mesa Verde Delaware			
LOCATION: Sect 6-T24S-R32E			COUNTY: Lea		STATE: NM	
ELEVATION: GL=3568"			SPUD DATE: 5/2/1994		COMP DATE: 6/4/1994	
API#: 30-025-32504		PREPARED BY: Karen Cottom		DATE: 5/12/03		Recomp 4/9/03
TUBULARS	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0 - 613'	11 3/4	42#	H-40		14 3/4
CASING:	0 - 4448'	8 5/8"	32#	S-80		11"
CASING:	0 - 9902'	5 1/2"	17#	N-80		7 7/8"
CASING:						
TUBING:	7250'	2 7/8"				

☒ Previous

☐ PROPOSED


14 3/4" casing set @613' cmt w/425 sx to surface

8 5/8" casing set @4448' cmt w/1350 sx to surface

Delaware  
7217' - 7227'

2 7/8" tbg w/SN @7250'

PBTD @ 9786'  
5 1/2" casing, set @9902' w/1416 sx cmt TOC @ 3600'  
TD @ 9902'

# DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

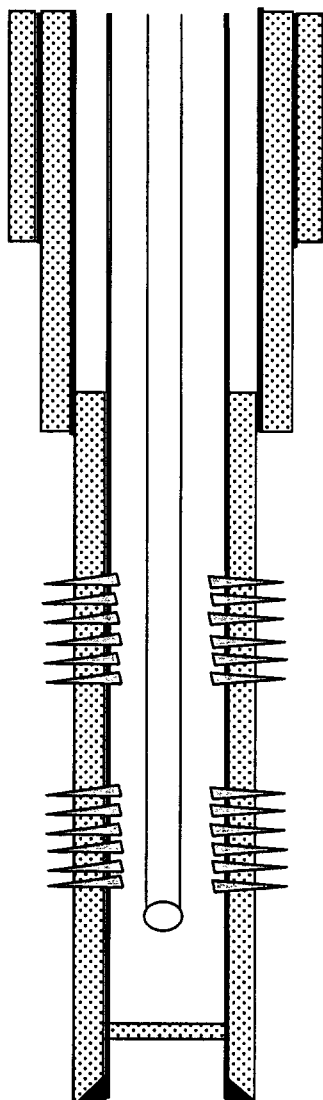
WELL NAME: Mesa Verde 6 Federal #5			FIELD: Mesa Verde Delaware			
LOCATION: Sect 6-T24S-R32E			COUNTY: Lea		STATE: NM	
ELEVATION: GL=3568"			SPUD DATE: 5/2/1994		COMP DATE: 6/4/1994	
API#: 30-025-32504		PREPARED BY: Karen Cottom		DATE: 5/12/03		Recomp 4/9/03
TUBULARS	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0 - 613'	11 3/4	42#	H-40		14 3/4
CASING:	0 - 4448'	8 5/8"	32#	S-80		11"
CASING:	0 - 9902'	5 1/2"	17#	N-80		7 7/8"
CASING:						
TUBING:	9596'	2 7/8"				



CURRENT



PROPOSED



14 3/4" casing set @613' cmt w/425 sx to surface

8 5/8" casing set @4448' cmt w/1350 sx to surface

Delaware  
7217' - 7227'

2 7/8" tbg w/SN @9596'

Bone Spring perforations below RBP @ 8454'  
8526' - 9710 64 holesPBTB @ 9786'  
5 1/2" casing, set @9902' w/1416 sx cmt TOC @ 3600'  
TD @ 9902'