

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD  
OCD-HOBBS

JUL 26 2011

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**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.**

<b>SUBMIT IN TRIPLICATE – Other instructions on page 2.</b>		5. Lease Serial No. LC-069052
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator LEGACY RESERVES OPERATING LP		7. If Unit of CA/Agreement, Name and/or No.
3a. Address P O. Box 10848 Midland, TX 79702	3b. Phone No. (include area code) 432-689-5200	8. Well Name and No. Elliott 31 Federal #6
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 467' FNL & 990' FWL, UNIT LETTER D, SEC 31, T24S, R38E		9. API Well No. 30-025-24097
		10. Field and Pool or Exploratory Area Dollardhide; Tubb-Drinkard
		11. Country or Parish, State Lea County, NM

12. CHECK THE 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	Downhole Commingle
	<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 must 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 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.)

----- PLEASE SEE ATTACHED -----

SUBJECT TO LIKE  
APPROVAL BY STATE

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

DHC-4425

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	
D. Patrick Darden, P.E.	Title Senior Engineer
Signature <i>[Signature]</i>	Date 07/14/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>[Signature]</i>	Title	<b>APPROVED</b> JUL 21 2011 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE	<i>[Signature]</i>
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)			

## ELLIOTT 31 FEDERAL #6

JUL 26 2011

Notice of Intent – Sundry

RECEIVED

Reactivate Devonian and Downhole Commingle with Tubb-Drinkard

Planned start date: 08/01/11

1. MIRU PU. POH w/rods & pump. ND WH. Rel TAC. NU BOP. POH w/2-3/8" prod tbg.
2. Drillout cmt & CIBP's @ 6,655' & 8,040'. Continue RIH to  $\pm 8,255'$ . CHC. POH w/tbg, DC's & bit.
3. Set pkr @ 8,050'. Bullhead 500 gals regular acid dwn 2-7/8" tbg into Devonian perfs to EIR & press. After EIR bullhead 6,000 gals x-linked acid down 2-7/8" tbg into perfs 8,108'-8,224' @ ~8-10 BPM & 5,000 psig (max). Flush w/2% KCl wtr to btm perf. Record ISIP, 5", 10" & 15" SIP's.
4. Swb perfs 8,108'-8,224'. Rel pkr. POH & LD pkr.
5. RIH w/prod tbg, pmp & rods.
6. RWTP. RDMO PU.
7. Well will be producing fr/Devonian and Tubb-Drinkard perfs 6,608'-8,224'.

See Attached Wellbore Diagrams on current and proposed wellbore conditions.

Note: Will use steel frac tanks and test tanks as needed to contain fluids (and solids) during workover.



## ELLIOTT 31 FED #6

LOCATION: 467' FNL & 990' FWL, Sec 31, T24S, R38E

Current Wellbore Condition

FIELD: Dollarhide (Tubb Drinkard)

COUNTY: Lea

STATE: New Mexico

GL: 3121'

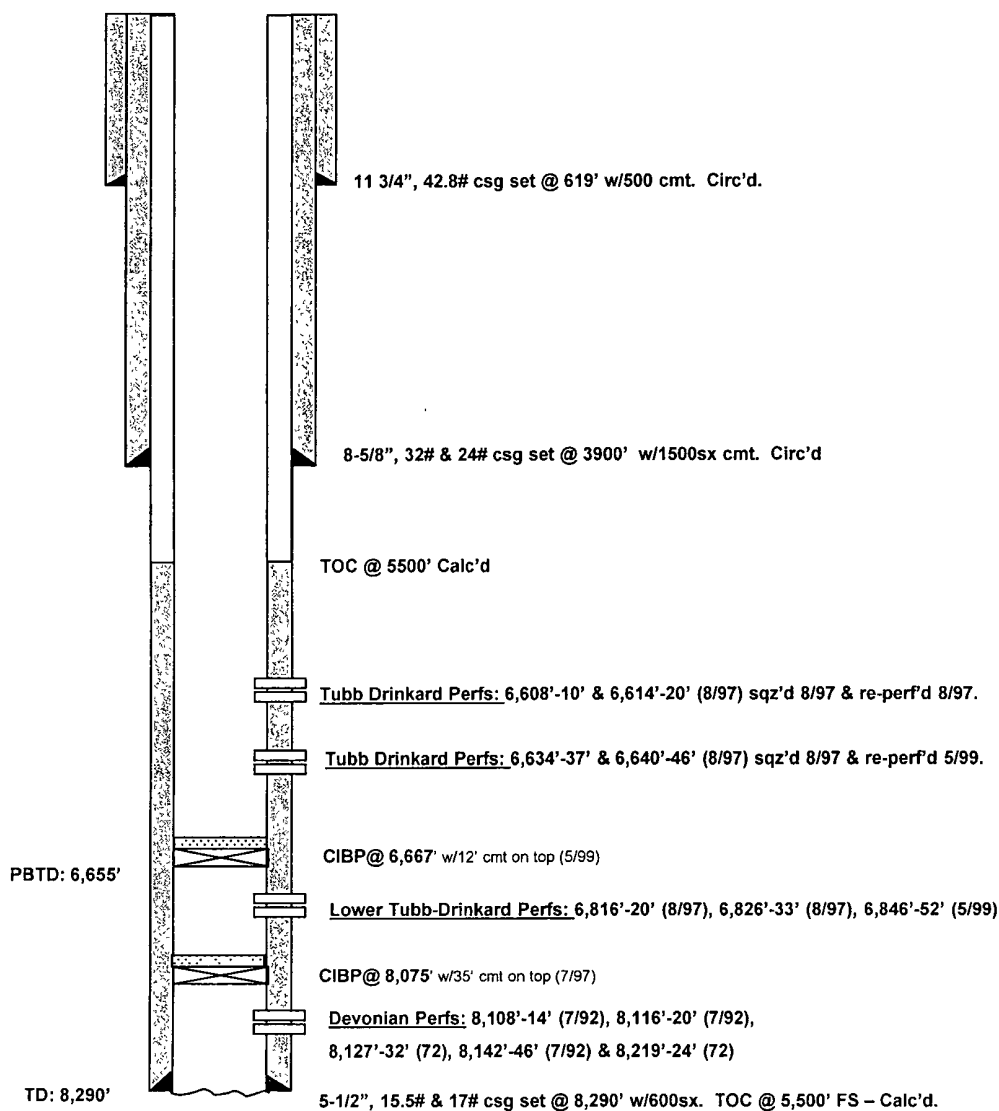
KB: 3134'

SPUD DATE: 4/11/72

LATEST UPDATE: 05/03/2011

BY: DP Darden

API No: 30-025-24097





## ELLIOTT 31 FED #6

LOCATION: 467' FNL & 990' FWL, Sec 31, T24S, R38E

Proposed Wellbore Setup

FIELD: Dollarhide (Tubb Drinkard)

COUNTY: Lea

STATE: New Mexico

GL: 3121'

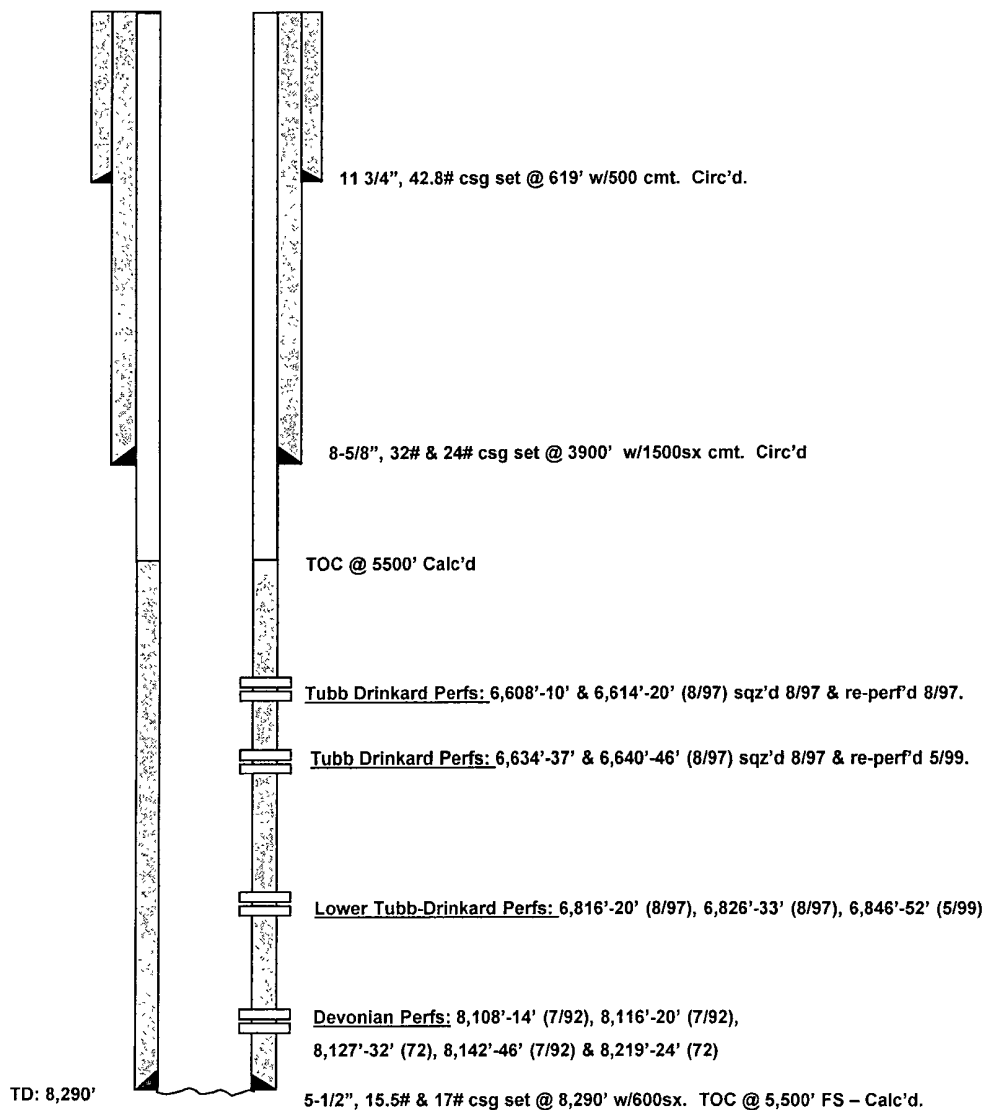
KB: 3134'

SPUD DATE: 4/11/72

LATEST UPDATE: 05/03/2011

BY: DP Darden

API No: 30-025-24097





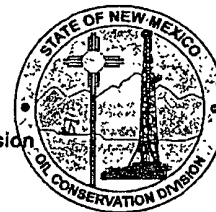
# New Mexico Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**John H. Bemis**  
Cabinet Secretary-Designate

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**JAMI BAILEY**  
Division Director  
Oil Conservation Division



Administrative Order DHC-4425

Order Date: 7/11/2011

Application Reference Number: pWVJ1119240737

LEGACY RESERVES OPERATING, LP  
P. O. BOX 10848,  
MIDLAND, TX 79702

Attention: Patrick Darden

ELLIOTT 31 FEDERAL Well No. 006  
API No: 30-025-24097  
Unit D, Section 31, Township 24 South, Range 38 East, NMPM  
Lea County, New Mexico

Pool:	DOLLARHIDE;DEVONIAN	Oil 18050
Names:	DOLLARHIDE;TUBB-DRINKARD	Oil 18830

Reference is made to your recent application for an exception to 19.15.12.9A NMAC of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of 19.15.12.11A NMAC, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion or otherwise required separation of the zones is hereby placed in abeyance.

In accordance with 19.15.12.11A.(6) NMAC, the production attributed to any commingled pool within the well shall not exceed the allowable applicable to that pool.

Assignment of allowable and allocation of production from the well shall be as follows:

DOLLARHIDE;DEVONIAN Pool	Pct Gas: 100	Pct Oil: 61
DOLLARHIDE;TUBB-DRINKARD Pool	Pct Gas: 0	Pct Oil: 39

REMARKS: The operator shall notify the Division's district office upon implementation of commingling operations.



Pursuant to 19.15.12.11B NMAC, the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

A handwritten signature in black ink, appearing to read "Jami Bailey", is written over a horizontal line.

JAMI BAILEY  
Director

JB/wvj

cc: Oil Conservation Division – Hobbs  
Bureau of Land Management - Carlsbad

7/15/11 SUSPENSE ENGINEER 7/15/11 LOCKED TYPE DAC 4425 APPROVAL PWD 1119240737

ABOVE THIS LINE FOR DIVISION USE ONLY

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

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 \_\_\_\_\_

**[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.

D. Patrick Darden, P.E.  
Print or Type Name

*D. Patrick Darden*  
Signature

Sr. Engineer  
Title

07/11/11  
Date

pdarden@legacylp.com  
e-mail Address

**Elliott 31 Fed #6**  
**API #30-025-24097**  
Lea County, New Mexico  
**C-107A Attachments and Notes on Attachments**

**C-102:**

From previous operators the only C-102's found were for the Ellenburger zone (April 10, 1972) and the Tubb-Drinkard zone (October 20, 1997). It appears no C-102 was ever submitted for the Devonian zone. Attached please find the previously submitted C-102 for the Ellenburger zone, and Tubb-Drinkard zone. Also attached is a C-102 for the Devonian zone (new submittal).

**Production Curves:**

Attached are production curves for the Devonian zone and the Tubb-Drinkard zone. The Devonian zone produced from 1972 to 1997. The Tubb-Drinkard zone has produced from 1997 to present.

**Zones with no Production History:**

All zones have production history. See attached curves.

**Allocation Method or Formula:**

Production allocation is derived by combining the production from each zone in its separate state and dividing that into the "separate state" of each zone. It should also be noted that when the Devonian zone is reactivated and stimulated it will be swab tested and the allocation could change at that time. Since no changes are being made to the Tubb-Drinkard zone its current daily rate will remain the same in the allocation process.

**Notification of WIO, RI, and ORRI for Uncommon Interest Cases:**

Not applicable as the WIO, RI, and ORRI are the same in the Devonian and Tubb-Drinkard zones.

**Additional Statements to Support Commingling:**

A current rate (and possible rate) of 2.5 BOPD, (Tubb-Drinkard 2 BOPD - active and lower Tubb-Drinkard 0.5 BOPD - inactive), will be left unproduced if downhole commingling is not permitted in this well. The cost to cement squeeze the Tubb-Drinkard zone to reactivate, stimulate and produce the Devonian by itself and then come back at a later time to re-perforate and stimulate the Tubb-Drinkard zone will not be economical, thus meaning this production will be lost forever. For this reason it is requested that downhole commingling be permitted of the Devonian and Tubb-Drinkard zones in the Elliott 31 Federal #6.



District I  
1823 W French Drive, Hobbs, NM 88240

District II  
1381 W Grand Avenue, Azusa, NM 88210

District III  
1060 Alb Brazos Road, Azusa, NM 88210

District IV  
1230 S. St. Francis Dr., Santa Fe, NM 87503

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

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

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

APPLICATION FOR DOWNHOLE COMMINGLING

Legacy Reserves Operating LP P.O. Box 10848 Midland, TX 79702  
Operator Address  
Elliott 31 Federal 6 D-31-T24S-R38E Lea  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 240974 Property Code 309055 API No. 30-025-24097 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Tubb-Drinkard	Devonian	
Pool Code	18830		18050
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	6608'-6852'		8108'-8224'
Method of Production (Flowing or Artificial Lift)	Beam Pumping Unit		Beam Pumping Unit
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)	Not Required 6608' x 1.50 = 9912' > 8224'		Not Required
Oil Gravity or Gas BTU (Degree API or Gas BTU)	35 API		41.3 API
Producing, Shut-In or New Zone	Producing		Shut-In
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: 04/06/11 Rates: 2.5BO+18BW+0MCF		Date: June 1997 Rates: 4BO+6BW+8MCF
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 38.5 % 0 %		Oil Gas 61.5 % 100 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐  
Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐  
Will commingling decrease the value of production? Yes ☐ No ☒  
If this well is on, or communized 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? Yes ☐ No ☒  
NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

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 D. Patrick Darden TITLE Sr. Engineer DATE 05/10/11

TYPE OR PRINT NAME D. Patrick Darden, P.E. TELEPHONE NO. (432) 689-5200

E-MAIL ADDRESS \_\_\_\_\_

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PL

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator <b>Legacy Reserves Operating LP</b>			Lease <b>Elliott 31 Federal</b>		Well No. <b>6</b>
Unit Letter <b>"D"</b>	Section <b>31</b>	Township <b>24-S</b>	Range <b>38-E</b>	County <b>LEA</b>	
Actual Well Location - Location of Wells: <b>457</b> <b>NORTH</b> <b>990</b> <b>WEST</b>					
Ground Level Elev. <b>3121</b>	Producing Formation <b>Devonian</b>	Pool <b>Dollarhide</b>		Dedicated Acreage: <b>40</b> 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).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, unitization, force-pooling, etc?  
  
☐ Yes    ☐ No    If answer is "yes," type of consolidation \_\_\_\_\_  
  
 If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_  
  
 No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

	<b>CERTIFICATION</b>
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
	Name <b>D. Patrick Darden, P.E.</b>
	Position <b>Sr. Engineer</b>
	Company <b>Legacy Reserves Operating LP</b>
	Date <b>05/10/11</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 knowledge and belief.	
Date Surveyed <b>APRIL 10, 1972</b> Registered Professional Engineer and Land Surveyor <b>MAX A. SCHUMANN JR.</b>  Certificate No. <b>1510</b>	

0 500 650 800 950 1100 1250 1400 1550 1700 1850 2000 2150 2300 2450 2600 2750 2900 3050 3200

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION

4/10/72 Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator <b>HNG OIL COMPANY</b>			Lease <b>ELLIOTT-FEDERAL "31"</b>		Well No. <b>6</b>
Unit Letter <b>"D"</b>	Section <b>31</b>	Township <b>24-S</b>	Range <b>38-E</b>	County <b>LEA</b>	
Actual Footage Location of Well: <b>457</b> feet from the <b>NORTH</b> line and <b>990</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>3121</b>	Producing Formation <b>ELLENBURGER</b>	Pool <b>ELLENBURGER</b>	Dedicated Acreage: <b>40</b> 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 interests 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 the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

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

	HNG OIL CO 40 ACRES 5. 0	HNG OIL CO 40 ACRES 2. 0	HNG OIL CO 40 ACRES 1. 0
		HNG OIL CO 40 ACRES 4. 0	HNG OIL CO 40 ACRES 3. 0

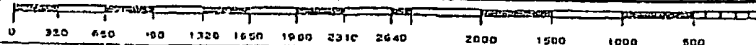
CERTIFICATION

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

Name  
*George R. McBride*  
Position  
**(George R. McBride)**  
Admin Agent to the Cust  
Company  
**HNG Oil Company**  
Date  
**April 10, 1972**

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  
**APRIL 10, 1972**  
Registered Professional Engineer  
and/or Land Surveyor  
**MAX A. SCHUMANN JR.**  
Certificate No.  
**1510**



All distances must be from the outer boundaries of the Section.

Operator <b>Lynx Petroleum Consultants, Inc.</b>		Lease <b>Elliott "31" Federal</b>		Well No. <b>6</b>
Unit Letter <b>"D"</b>	Section <b>31</b>	Township <b>24-S</b>	Range <b>38-E</b>	County <b>LEA</b>
Actual Footage Location of Well: <b>457</b> feet from the <b>NORTH</b> line and <b>990</b> feet from the <b>WEST</b> line				
Ground Level Elev: <b>3121</b>	Producing Formation <b>Drinkard</b>	Pool <b>Dollarhide</b>	Dedicated Acreage: <b>40</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests 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 the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

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

	<p align="center"><b>CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p>	
	<p>Name <u>Max A. Schumann Jr.</u></p> <p>Position <u>President</u></p> <p>Company <u>Lynx Petroleum Consultants</u></p> <p>Date <u>10/20/97</u></p>	
	<p>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.</p>	
	<p>Date Surveyed <u>APRIL 10, 1972</u></p> <p>Registered Professional Geologist and/or Land Surveyor <u>MAX A. SCHUMANN JR.</u></p> <p>Certificate No. <u>1510</u></p>	

### Rate/Time Graph

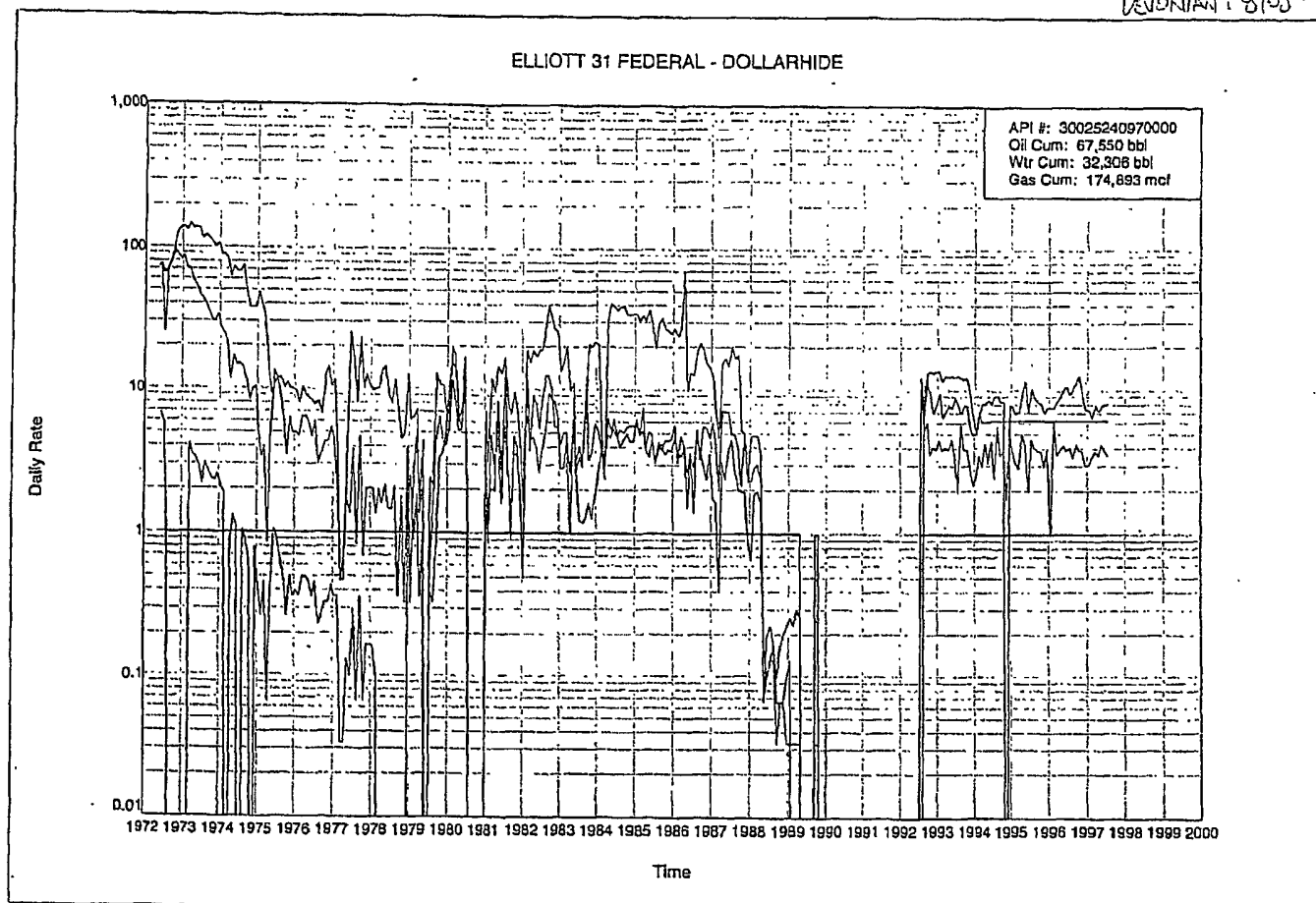
Lease Name: ELLIOTT 31 FEDERAL (6)  
County, ST: LEA, NM  
Location: 31D 24S 38E

Project: p:\v9.1\projects\legacy-elliott-31-fed\_area.mdb

Date: 5/10/2011  
Time: 9:45 AM

Operator: LYNX PETROLEUM CONSULTANTS INCORPORATED  
Field Name: DOLLARHIDE

DEVONIAN: 8138' - 8224'



### Rate/Time Graph

Project: p:\w9.1\projects\legacy-elliott-31-fed\_area.mdb

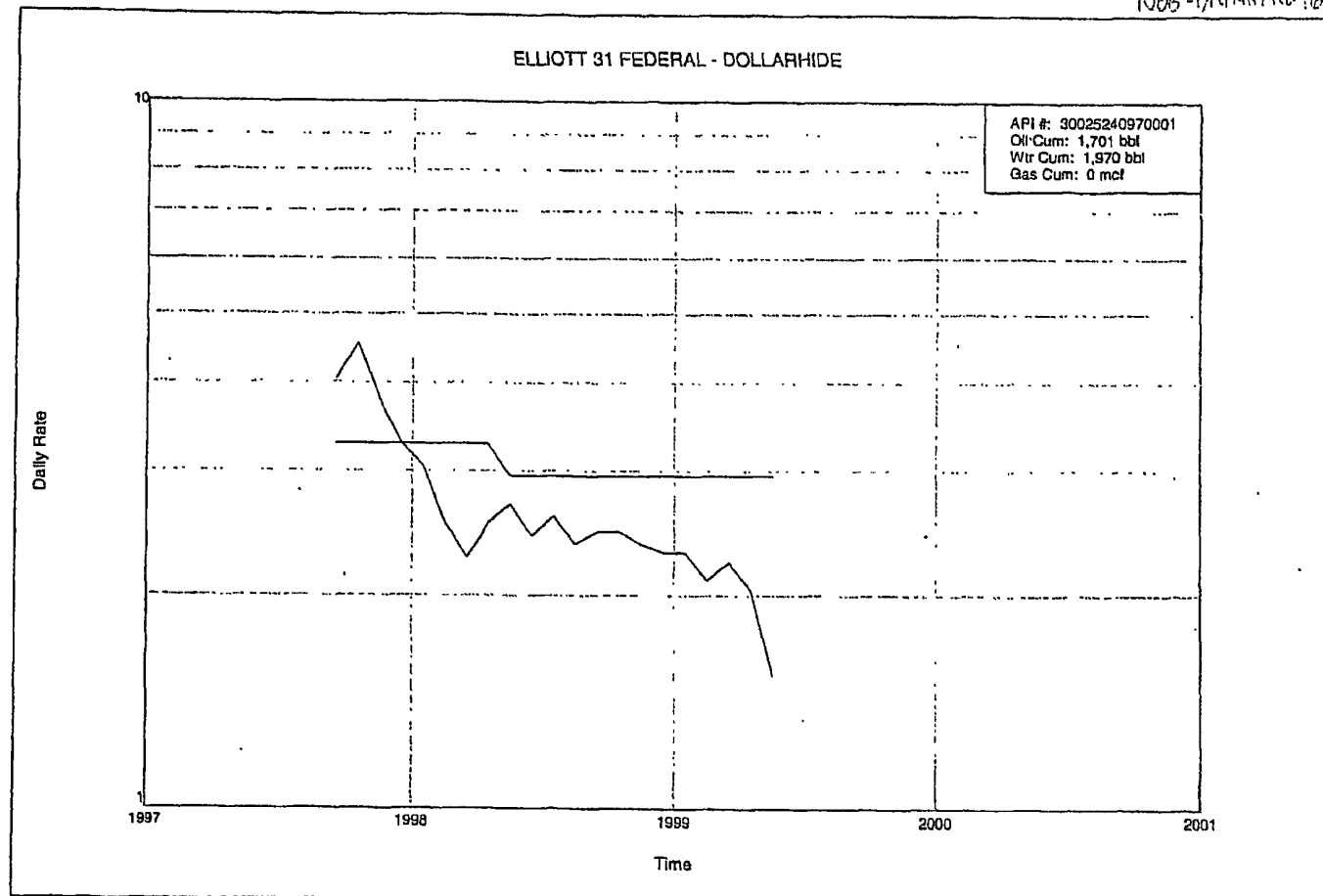
Date: 5/10/2011

Time: 9:44 AM

Lease Name: ELLIOTT 31 FEDERAL (6)  
County, ST: LEA, NM  
Location: 31D 24S 38E

Operator: MACK ENERGY CORPORATION  
Field Name: DOLLARHIDE

TUBS - DRINKARD: 6600' - 6892'



# Rate/Time Graph

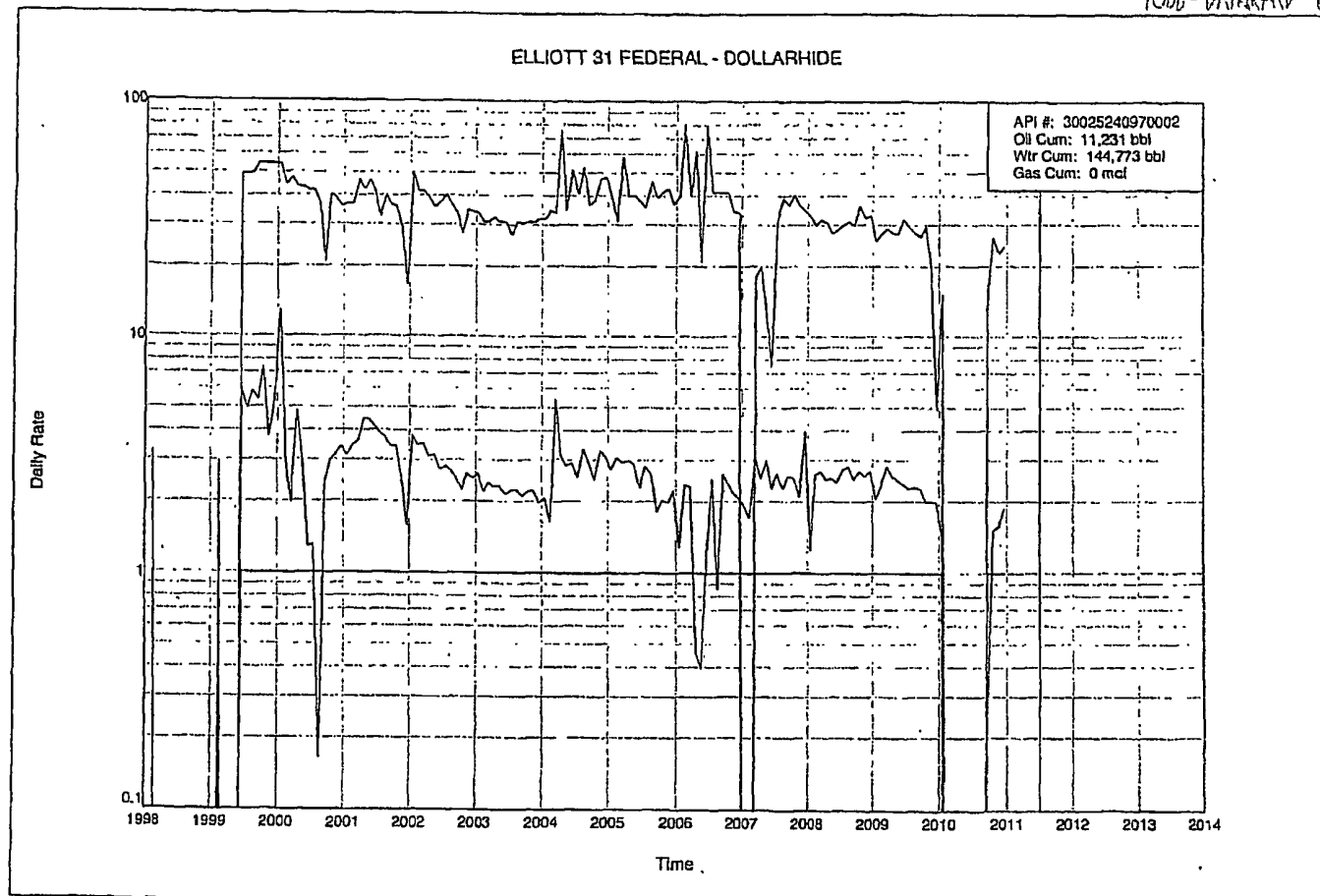
Project: p:\v9.1\projects\legacy-elliott-31-fed\_area.mdb

Date: 5/10/2011  
Time: 9:42 AM

Lease Name: ELLIOTT 31 FEDERAL (6)  
County, ST: LEA, NM  
Location: 31D 24S 38E

Operator: LEGACY RESERVES OPERATING LP  
Field Name: DOLLARHIDE

TUBB - DRINKARD 6623-6646



# Legacy Reserves - Well Tests

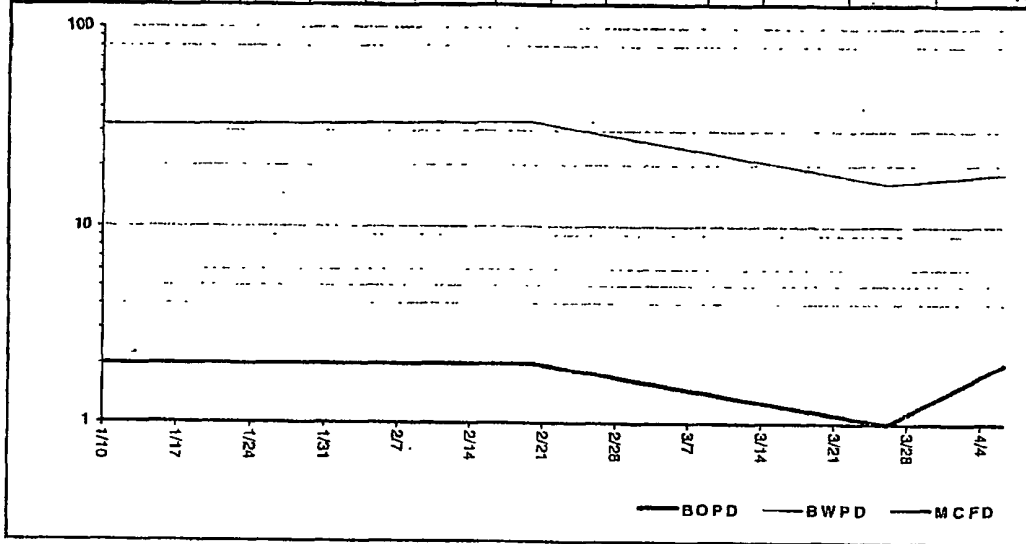
ELLIOTT 31 FEDERAL # 0006

Perforated Intervals in This Zone

BOLO ID: 300163.06			API # 3002524097		
Zone	Tubb			Zone#	1
County/ST	LEA			NM Status	A
Foreman	Tommy Hill Wes	Pumper/Beat	Tommy Hill West		

Date # Jts PFL(w/gas) PFL(w/o gas) Fld to Pump PIP Csg SN Pumping Unit SPM S L Pump 24hr80%PD

Test Date	BOPD	MCFD	BWPD	SPM	SL	Pump Sz	TP	CP	Choke	LP	Top Perf	Btm Perf	Allocate Test?
1/10/2011	2	0	32										Yes
2/20/2011	2	0	33										Yes
10 days weather; 16 days SI not pumping													
3/26/2011	1	0	16										Yes
12 days RP													
4/6/2011	2	0	18										Yes



Tests from 1/1/2011 through 5/6/2011

Printed: 5/6/2011

Page 1





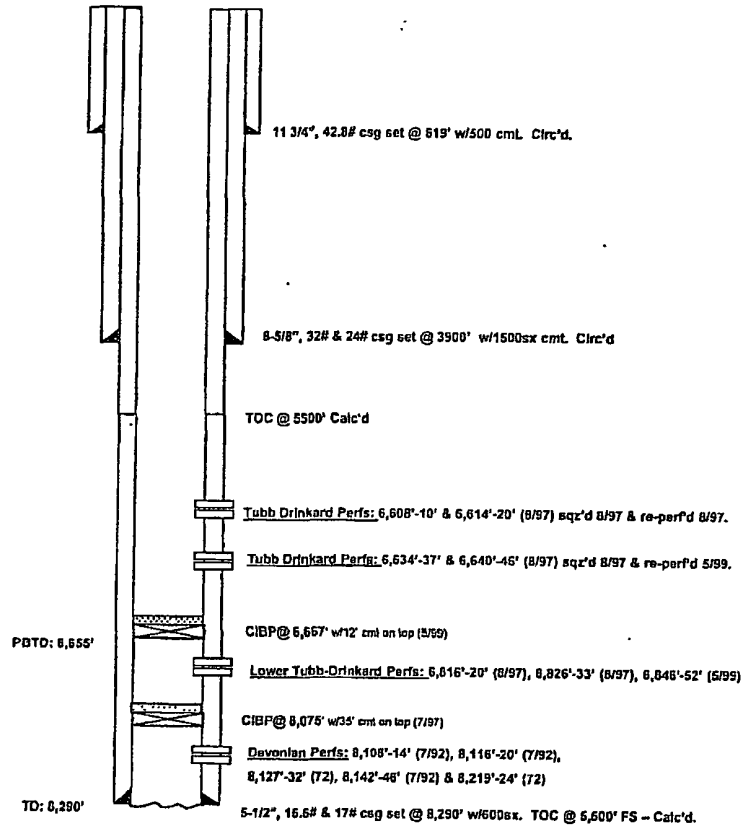
**ELLIOTT 31 FED #6**

LOCATION: 467' FNL & 990' FWL, Sec 31, T24S, R38E  
Current Wellbore Condition

FIELD: Dollarhide (Tubb Drinkard)  
COUNTY: Lea  
STATE: New Mexico

GL: 3121'  
KB: 3134'  
SPUD DATE: 4/11/72

LATEST UPDATE: 05/03/2011  
BY: DP Darden  
API No: 30-025-24097





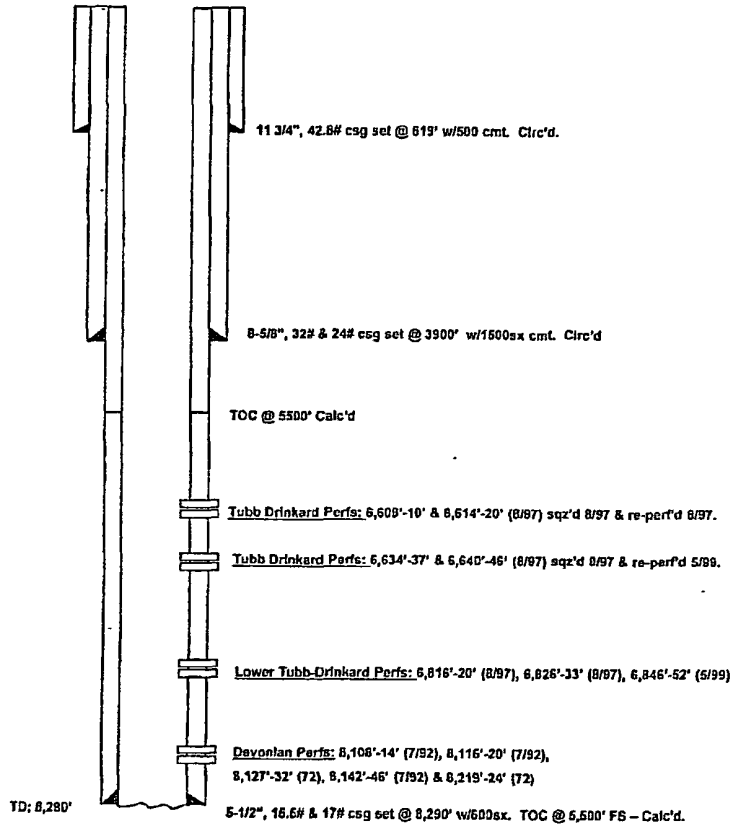
# ELLIOTT 31 FED #6

LOCATION: 467' FNL & 990' FWL, Sec 31, T24S, R38E  
Proposed Wellbore Setup

FIELD: Dollarhide (Tubb Drinkard)  
COUNTY: Lea  
STATE: New Mexico

GL: 3121'  
KB: 3134'  
SPUD DATE: 4/11/72

LATEST UPDATE: 05/03/2011  
BY: DP Darden  
API No: 30-025-24097



**Elliott 31 Federal #6  
30-025-24097  
Legacy Reserves Operating LP  
July 21, 2011  
Conditions of Approval**

1. Send in a Notice of Intent on form 3160-5 with the exact date that commingling of the two zones is to start.
2. Send in a subsequent sundry with a wellbore schematic, a completion report with production from both zones, a copy of the swab test and the new allocation percentages, if they're changed after the zone has been stimulated and tested.
3. Run a production test annually for the both zones to make sure allocations are still the same.

**TAM 072111**