

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-101

Revised February 10, 1999

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copie

Fee Lease - 5 Copie

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address CHEVRON USA INC 15 SMITH RD, MIDLAND, TX 79705		² OGRID Number 4323
		³ API Number 30-025-34329
⁴ Property Code 22556	⁵ Property Name JAYHAWK	⁶ Well No. 1

⁷ Surface Location									
Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
M	35	19S	37E		330'	SOUTH	330'	WEST	LEA

⁸ Proposed 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
⁹ Proposed Pool 1 SKAGGS GLORIETA NW/WEIR BLINEBRY/MONUMENT TUBB					¹⁰ Proposed Pool 2				

¹¹ Work Type Code A	¹² Well Type Code O	¹³ Rotary or C.T. ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3597'
¹⁶ Multiple No	¹⁷ Proposed Depth 8280'	¹⁸ Formation	¹⁹ Contractor	²⁰ Spud Date

²¹ Proposed Casing and Cement Program					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
NO CHANGE					

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Adding

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CHEVRON U.S.A. INC. INTENDS TO RECOMPLETE THE SUBJECT WELL TO THE SKAGGS GLORIETA NW, & THE WEIR BLINEBRY RESERVOIRS. THIS WELL IS CURRENTLY PRODUCING FROM THE MONUMENT TUBB, AND THE NEW RESERVOIRS WILL BE ADDED AND DOWNHOLE COMMINGLED. (PLEASE SEE ATTACHED APPROVED DHC ORDER #3707)

A PIT WILL NOT BE USED FOR THIS RECOMPLETION. A STEEL FRAC TANK WILL BE UTILIZED.

THE INTENDED PROCEDURE, AND CURRENT AND PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.

²³ I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature

Denise Pinkerton

Printed Name

Denise Pinkerton

Title Regulatory Specialist

Date 6/15/2006

Telephone

432-687-7375

OIL CONSERVATION DIVISION

Approved By:

PETROLEUM ENGINEER

Title:

Approval Date: JUN 20 2006

Expiration Date:

Conditions of Approval:
Attached ☐

Jayhawk #1
API #30-025-34329
330' FSL & 330' FWL
S35, T19S, R37E
Skaggs Glorieta NW/Weir Blinebry/Monument Tubb
Lea County, New Mexico

6/14/2006

COMPLETION PROCEDURE:

Use 8.6# BW for all fluid put on well.

1. **Complete if applicable:** Displace flowline w/ fresh water. Have Field Specialist close valve at header. Pressure test line according to type. All polypipe (SDR7 and SDR11) will be tested to 100 psi. All steel lines will be tested to 500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If tests good, bleed off pressure and open valve at header. Document this process in the morning report.
2. MIRU Key PU & RU. Catch plunger and remove from well. NDWH NUBOP. POOH w/ 2-7/8" tbg & LD. Note signs of paraffin on inside and outside of tbg. Send equipment in for inspection.
3. PU & RIH w/ 4-3/4" bit on 2-7/8" WS to 6691'. POOH & LD bit.
4. RIH w/ 5-1/2" RBP and on/off tool on 2-7/8" WS. Set RBP @ 6485'. Load and test csg to 500 psi. Spot 20' of sand on RBP. Allow sand to fall and POOH w/ WS.
5. MIRU WL. Perforate the following intervals with 3-1/8" slick guns loaded w/ 4 JSPF, 120 degree phasing and 23 gram charges tied back w/ GR tool to Schlumberger's Platform Express log dated 3/27/98. RD Baker Atlas WL.

Top Perf	Bottom Perf	Net Feet	Total Holes
5883	5892	9	36
5869	5878	9	36
5845	5850	5	20
5818	5827	9	36
5804	5808	4	16
5773	5782	9	36

6. RIH w/ 5-1/2" PPI pkr w/ 12' element spacing on 2-7/8" WS testing to 4500 psi while RIH. Test PPI pkr in blank pipe. Mark settings.
7. MIRU Schlumberger acid crew. Acidize Blinebry perf intervals with 1,500 gals NEFE 15% HCl acid as follows.

Perfs	Acid Volume	Max Rate	PPI Setting
5883-5892	250 gals	1/2 BPM	5882-5894
5869-5878	250 gals	1/2 BPM	5867-5879
5845-5850	250 gals	1/2 BPM	5842-5854
5818-5827	250 gals	1/2 BPM	5817-5829

5804-5808	250 gals	1/2 BPM	5800-5812
5773-5782	250 gals	1/2 BPM	5771-5783

Displace w/ 8.6# BW. If there is communication between stages, close BS and attempt to complete stage without exceeding 1000 psi on casing. Record treating pressures, ISIP, 5 min, and 10 min if possible. SI for 2 hours for acid to spend.

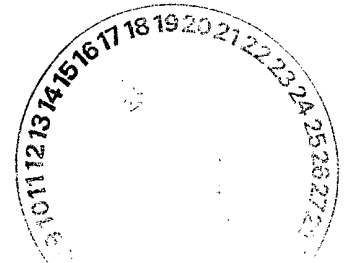
8. Fish valve rod. PU & set PPI pkr @ 5750'. Load and test backside to 500 psi. RU swab and swab well for a minimum of 1 hr. Report recovered fluid volumes, pressures, and fluid levels. MIRU WL. Install lubricator and test to 2000 psi. RIH with BHP bomb with 3000 psi element and 72 hour clock and hang off in pkr. **Bomb should be in place for a minimum of 24 hrs.**
9. POOH w/ Pressure Bomb and WL. RD WL. Release pkr and POOH.
10. RIH w/ 5-1/2" frac pkr w/ on/off tool & 1.87" profile on 3-1/2" frac string testing to 8500 psi while RIH. Set pkr @ +/- 5670'. Load and test BS to 500 psi and hold pressure on backside during frac to observe for communication. NU frac head.
11. MIRU Schlumberger frac crew. Frac well down 3-1/2" tbg at **35 BPM** with 58,000 gals YF125FT, 95,000# 16/30 Jordan sand, and 48,000 # 16/30 CR4000 Resin Coated Sand ramping from 1.5 PPG to 6 PPG w/ max pressure of **8500 psi** in 6 stages as follows:

Pump 2,000 gals WF125FT @ 20 BPM
 Pump 22,000 gals YF125FT Pad @ 35 BPM
 Pump 5,000 gals YF125FT containing 1.5 PPG 16/30 Jordan Sand @ 35 BPM
 Pump 6,000 gals YF125FT containing 2.5 PPG 16/30 Jordan Sand @ 35 BPM
 Pump 7,000 gals YF125FT containing 3.5 PPG 16/30 Jordan Sand @ 35 BPM
 Pump 8,000 gals YF125FT containing 4.5 PPG 16/30 Jordan Sand @ 35 BPM
 Pump 2,000 gals YF125FT containing 6 PPG 16/30 Jordan Sand @ 35 BPM
 Pump 8,000 gals YF125FT containing 6PPG 16/30 Resin Coated Sand @ 35 BPM

Flush to 5773' w/ WF125FT. **DO NOT OVERFLUSH.** SION. Record ISIP, 5, 10, & 15 SIP. RD DS.
12. Open well and bleed off any pressure. Release packer and POOH. RIH w/ 4-3/4" bit to 6000'. POOH & LD bit. RIH w/ 5-1/2" pkr w/ on/off tool and profile. Set pkr @ +/- 5700'. RU swab and swab well checking for sand inflow. Record rates, pressures, fluid levels, and cuts. Discuss results w/ engineer. RD swab.
13. Release pkr and POOH. RIH w/ RBP w/ on/off tool. Set RBP @ +/- 5700'. Load and test to 500 psi. POOH.
14. MIRU BakerAtlas WL. RIH w/ GR tool & 3-1/8" slick guns loaded with 4 SPF 120" phasing and 23 gram charges. Perforate the following intervals tied back to Schlumberger's Platform Express log dated 3/27/98:

Top Perf	Bottom Perf	Net Feet	Total Holes
----------	-------------	----------	-------------

5379	5389	10	40
5369	5376	7	28
5344	5354	10	40



15. RIH w/ 5-1/2" PPI pkr w/ 12' element spacing on 2-7/8" WS testing to 4500 psi while RIH. Test PPI pkr in blank pipe. Mark settings.
16. MIRU DS. Selectively acidize perforated intervals as follows:

Perfs	Acid Volume	Max Rate	PPI Setting
5379-5389	1500	1/2 - 2 BPM	5378-5390
5369-5376	1500	1/2 - 2 BPM	5365-5377
5344-5354	1000	1/2 - 2 BPM	5343-5355

Displace w/ 8.6# BW. If there is communication between stages, close BS and attempt to complete stage without exceeding 1000 psi on casing. Record treating pressures, ISIP, 5 min, and 10 min if possible. SI for 3 hours for acid to spend.

17. Fish valve rod. PU & set PPI pkr @ 5300'. Load and test backside to 500 psi. RU swab and reporting recovered fluid volumes, pressures, and fluid levels to engineer. MIRU WL. Install lubricator and test to 2000 psi. RIH with BHP bomb with 3000 psi element and 72 hour clock and hang off in pkr. **Bomb should be in place for a minimum of 24 hrs.**
18. POOH w/ Pressure bomb and WL. RD WL. Release and POOH w/ PPI pkr.
19. RIH w/ top half of on/off tool to RBP set @ 5700'. Latch, equalize, and release RBP. POOH & LD RBP. RIH w/ top half of on/off tool to RBP set @ 6485'. Circulate off sand, latch, equalize, and release RBP. POOH & LD WS and RBP.
20. RIH w/ 2-7/8" production assemble as per ALS recommendation. Hang off. NDBOP. NUWH.
21. RD Key PU & RU. Turn well over to production. Contact Lease Operator and inform them that the well is ready for operation.

Engineer - Keith Lopez
 432-687-7120 Office
 432-631-3281 Cell
 432-661-6156 Home

UL-m

Current Wellbore Diagram

Well ID Info:	101880
Refno:	BQ8437
API No:	30-25-34329
L5/L6:	U93 5800
Spud Date:	3/13/1998
Compl. Date:	5/15/1998

Elevations:	
GL:	3597'
DF:	3609'
KB:	3610'

Perfs:	Status
6494' - 6682'	
TUBB	
6701' - 6724'	BELOW RBP
DRINKARD	

**New collar stop @ 6447'
2/28/05 FT.**

COTD:	
PBTD:	6,691'
TD:	8,280'

Updated: 12-Feb-99
By: J. M. LOVELL

PERFS: 6494' - 6682' —————→

SURLOK PKR @ 6691' —————→

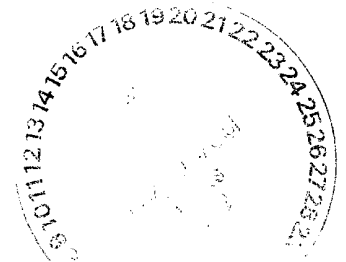
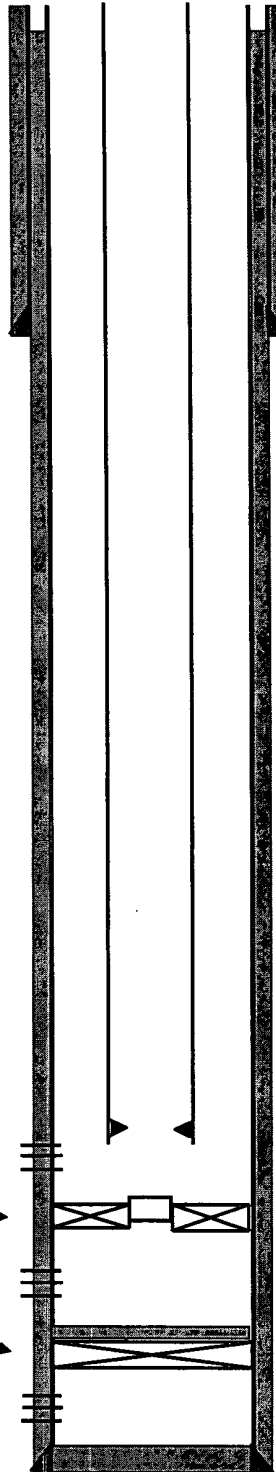
BLANKING PLUG SET IN PROFILE
1.875" 'F' PLUG

DRINKARD PERFS: 6701'-24' —————→

CIBP @ 7870' CAPPED W/ 35' —————→

CMT

PERFS: 7918'- 7992' —————→



Well: **JAYHAWK 1**

Field:

Reservoir:

Skaggs Glorieta NW/Weir Blinebry/Monument Tubb

Paddock/Bline

Location:
Section: 35
Township: 19S
Range: 37E
330'FSL 330'FWL
County: LEA, NM

Proposed
Wellbore Diagram

Well ID Info: 101880
Refno: BQ8437
API No: 30-25-34329
L5/L6: U93 5800
Spud Date: 3/13/1998
Compl. Date: 5/15/1998

Elevations:
GL: 3597'
DF: 3609'
KB: 3610'

Surf. Csg: 8 5/8"
23#
WC-50 ST&C
Set @ 1485'
With: 425 SXS
Hole Size: 11"
Circ: YES
TOC @ SURF

Glorieta
Perfs: Status
5344' - 5389' Open

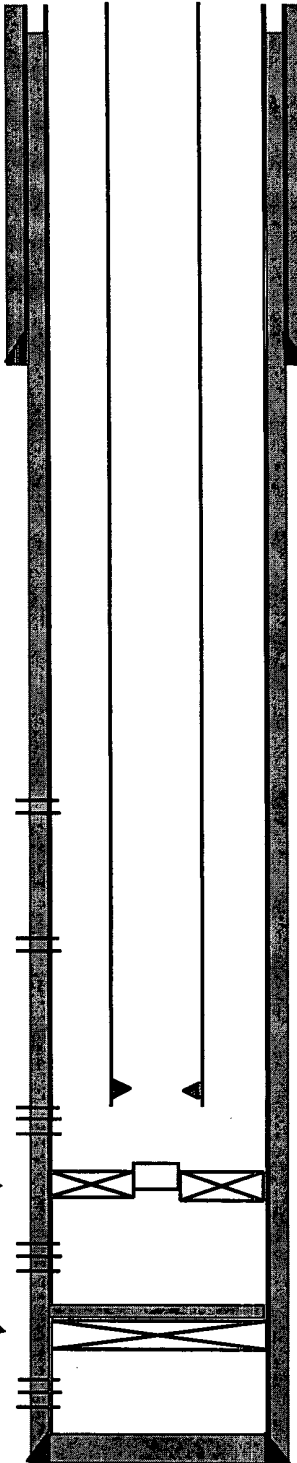
Blinebry
Perfs: Status
5773' - 5892' Open

Tubb
Perfs: Status
6494' - 6682' Open

SURLOK PKR @ 6691'
BLANKING PLUG SET IN PROFILE
1.875" 'F' PLUG
DRINKARD PERFS: 6701'-24'

CIBP @ 7870' CAPPED W/ 35'
CMT

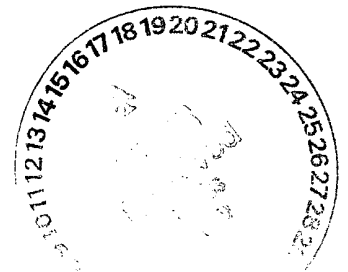
PERFS: 7918'- 7992'



Prod. Csg: 5 1/2"
15.5&17
?
Set @ 8279'
With: 1230 SXS
Hole Size: 7 7/8"
Circ: NO
TOC @ 200'

COTD:
PBTD: 6,691 '
TD: 8,280 '

Updated: 12-Feb-99
By: J. M. LOVELL



A circular stamp with numbers 1 through 25 arranged in a circle around the perimeter. In the center of the stamp is a handwritten signature, which appears to be 'J. M. Smith'. The stamp is slightly faded and has a textured, ink-like appearance.

A circular stamp with numbers 1 through 28 arranged in a circle around the perimeter. In the center of the stamp is a handwritten signature, which appears to be 'J. M. Smith'. The stamp is slightly tilted and has a textured, ink-like appearance.

35	35	35	35	<div style="text-align: right; font-weight: bold; font-size: 1.2em;">OPERATOR CERTIFICATION</div> <p style="font-size: 0.9em; margin-top: 10px;"><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <div style="margin-top: 20px;"><div style="text-align: right; font-family: cursive; font-size: 1.2em; margin-bottom: 5px;">Keith Lopez</div><div style="border-top: 1px solid black; width: 100%;"></div><div style="display: flex; justify-content: space-between; font-size: 0.8em; margin-bottom: 5px;">SignatureKeith Lopez</div><div style="border-top: 1px solid black; width: 100%;"></div><div style="display: flex; justify-content: space-between; font-size: 0.8em; margin-bottom: 5px;">Printed NamePetr. Engineer</div><div style="border-top: 1px solid black; width: 100%;"></div><div style="display: flex; justify-content: space-between; font-size: 0.8em; margin-bottom: 5px;">TitleApril 26, 2006</div><div style="border-top: 1px solid black; width: 100%;"></div></div>	
				<div style="text-align: right; font-weight: bold; font-size: 1.2em;">SURVEYOR CERTIFICATION</div> <p style="font-size: 0.9em; margin-top: 10px;"><i>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.</i></p> <p style="margin-top: 20px;">Signature and Seal of Professional Surveyor:</p> <div style="border-top: 1px solid black; width: 100%; height: 40px; margin-top: 10px;"></div> <div style="text-align: right; font-size: 0.8em; margin-top: 5px;">Certificate Number</div>	
				<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; font-size: 0.8em;">40-acre proration unit</div> <div style="display: flex; align-items: center; margin-bottom: 10px;"><div style="width: 30px; height: 30px; border: 1px solid black; border-radius: 50%; margin-right: 10px;"></div><div style="text-align: center;"><div style="width: 40px; height: 2px; background-color: black; margin: 0 auto;"></div><div style="width: 2px; height: 40px; background-color: black; margin: 0 auto;"></div></div><div style="margin-left: 10px;"><div style="text-align: right; font-size: 0.7em;">330'</div><div style="text-align: left; font-size: 0.7em;">330'</div></div></div> <div style="display: flex; align-items: center;"><div style="width: 30px; height: 30px; border: 1px solid black; border-radius: 50%; margin-right: 10px;"></div><div style="text-align: center;"><div style="width: 40px; height: 2px; background-color: black; margin: 0 auto;"></div><div style="width: 2px; height: 40px; background-color: black; margin: 0 auto;"></div></div><div style="margin-left: 10px;"><div style="text-align: right; font-size: 0.7em;">330'</div><div style="text-align: left; font-size: 0.7em;">330'</div></div></div>	

| | |

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

District II
811 South First, Artesia, NM 88210

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised March 17, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-34329	² Pool Code 63780	³ Pool Name Weir Blinbry
⁴ Property Code 22556	⁵ Property Name Jayhawk	⁶ Well Number 1
⁷ OGRID No. 4323	⁸ Operator Name Chevron Corporation	⁹ Elevation 3597'

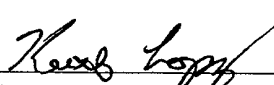
¹⁰ Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	19S	37E		330'	South	330'	West	Lea

¹¹ 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
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

35					OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Keith Lopez Printed Name Petr. Engineer Title April 26, 2006				
					18 SURVEYOR CERTIFICATION <i>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.</i> Signature and Seal of Professional Surveyor: Certificate Number				

40-acre proration unit

330'

330'

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION, PLAT

¹ API Number 30-025-34329	² Pool Code 47090	³ Pool Name Monument Tubb
⁴ Property Code 22556	⁵ Property Name Jayhawk	⁶ Well Number 1
⁷ OGRID No. 4323	⁸ Operator Name Chevron Corporation	⁹ Elevation 3597'

¹⁰ Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	19S	37E		330'	South	330'	West	Lea

¹¹ 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
¹² Dedicated Acres 80	¹³ Joint or Infill	¹⁴ Consolidation Code			¹⁵ 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

35			
		35	

The diagram shows a dashed rectangular area representing an "80-acre proration unit". Inside this unit, there is a solid black circle representing a well. A horizontal dimension line from the left boundary of the unit to the well indicates a distance of 330'. A vertical dimension line from the bottom boundary of the unit to the well indicates a distance of 330'.

18	<h2 style="text-align: center;">OPERATOR CERTIFICATION</h2> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <div style="margin-top: 20px;"> </div> <hr/> <p>Signature Keith Lopez</p> <hr/> <p>Printed Name Petr. Engineer</p> <hr/> <p>Title April 26, 2006</p> <hr/>
18	<h2 style="text-align: center;">SURVEYOR CERTIFICATION</h2> <p><i>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.</i></p> <p>Signature and Seal of Professional Surveyor:</p> <hr/> <p style="text-align: right;">Certificate Number</p>

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

Mull, Donna, EMNRD

From: Phillips, Dorothy, EMNRD
To: Mull, Donna, EMNRD
Cc:
Subject: RE: Financial Assurance Requirement
Attachments:

Sent: Mon 6/19/2006 11:18 AM

All have blanket bonds and do not appear on Jane's list except Apache Corp. They need 3 one well bonds.

From: Mull, Donna, EMNRD
Sent: Monday, June 19, 2006 9:27 AM
To: Phillips, Dorothy, EMNRD
Cc: Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD
Subject: Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirement for these Operators OK?

Range Operating New Mexico Inc (227588)
Apache Corp (873)
Horseshoe Operating Inc (225243)
Pogo Producing Co (17891)
Yates Petroleum Corp (25575)
Marathon Oil Co (14021)
COG Operating LLC (229137)
Stephens & Johnson Operating Co (19958)
Platinum Exploration Inc (227103)
Chevron USA Inc (4323)
Patterson Petroleum LP (141928)

I have check each operator on the Inactive well list.

Please let me know. Thanks and have a nice day. Donna