

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 Copy

Fee Lease - 5 Copy

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
⁴ Property Code 11152 29920	⁵ Property Name C.H. WEIR 'B'	³ API Number 30-025-29927
		⁶ Well No. 9

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
G	11	20S	37E		1653	NORTH	1650	EAST	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 GRAYBURG					¹⁰ Proposed Pool 2				

¹¹ Work Type Code P	¹² WellType Code O	¹³ Rotary or C.T. R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3605' KB
¹⁶ Multiple No	¹⁷ Proposed Depth 7200'	¹⁸ Formation GRAYBURG	¹⁹ Contractor	²⁰ Spud Date 3/20/2006

²¹ Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
NO CHANGE					

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 FROM THE TUBB/DRINKARD TO THE SKAGGS GRAYBURG FIELD AND POOL.

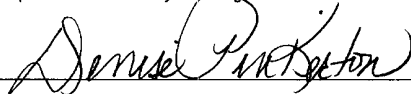
A PIT WILL NOT BE USED FOR THIS PLUGBACK. A STEEL FRAC TANK WILL BE UTILIZED.

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

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plugback

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



Printed Name Denise Pinkerton

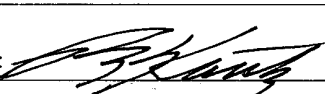
Title Regulatory Specialist

Date 3/9/2006

Telephone 432-687-7375

OIL CONSERVATION DIVISION

Approved By:



Title:

PETROLEUM ENGINEER

Approval Date: MAR 13 2006 Expiration Date:

 Conditions of Approval:
 Attached ☐

CH Weir B #9
API #30-025-29927
1653' FNL & 1650' FEL
S11, T20S, R37E, Unit G
Skaggs Grayburg
Lea County, New Mexico

3/8/2006

57380

PROCEDURE

Use 8.6 ppg brine water.

1. 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. ND WH. POOH w/ rods & pump (see Tbg Detail). Install BOP's & EPA equipment. Test BOP when possible. Release TAC and POOH w/ 2-3/8" tbg. LD and send in rods and tbg for inspection.
3. RIH w/ 4-3/4" bit on 2-7/8" WS to 6700'. POOH.
4. MIRU WL. RIH w/ 5-1/2" CIBP and set @ 6670'. Dump 35' of cmt on top of plug. POOH. RIH w/ 5-1/2" CIBP and set @ 6380'. Dump 35' of cmt on top of plug.
5. Pressure test csg and CIBP to 750 psi. Bleed off pressure.
6. PU & run CBL/CCL log from 5000' to 100' above cement top tied back to Welex's Dual Spaced Neutron Log dated 7/1/87. Check cement bond quality across completion interval. If cement bond does not look adequate, discuss squeezing options with engineer.
7. Perforate the following intervals with 3-1/8" slick guns loaded w/ 4 JSPF, 120 degree phasing and 23 gram charges tied back to Welex's Dual Spaced Neutron Log dated 7/1/87. RD Baker Atlas WL.

Top Perf	Bottom Perf	Net Feet	Total Holes
3786	3790	4	16
3792	3800	8	32
3804	3812	8	32
3816	3825	9	36
3831	3841	10	40
3854	3857	3	12
3862	3872	10	40
3876	3881	5	20
3895	3903	8	32
3909	3913	4	16
3924	3930	6	24
3938	3946	8	32
3961	3968	7	28

3974	3979	5	20
3986	3996	10	40

8. RIH w/ 5-1/2" PPI packer w/ SCV and 12' element spacing. Test 2-7/8" WS to 4500 psi while RIH. Test PPI packer in blank pipe. Mark settings.
9. MIRU DS. Acidize perfs w/ 3,000 gals 15% NEFE HCl acid at a max rate of 1/2 BPM & 4000 psi surface pressure as follows:

Perfs	Acid Volume	Max Rate	PPI Setting
3786-3790	200 gals	1/2 bpm	3779-3791
3792-3800	200 gals	1/2 bpm	3791-3803
3804-3812	200 gals	1/2 bpm	3802-3814
3816-3825	200 gals	1/2 bpm	3814-3826
3831-3841	200 gals	1/2 bpm	3830-3842
3854-3857	200 gals	1/2 bpm	3848-3860
3862-3872	200 gals	1/2 bpm	3861-3873
3876-3881	200 gals	1/2 bpm	3874-3886
3895-3903	200 gals	1/2 bpm	3893-3905
3909-3913	200 gals	1/2 bpm	3907-3919
3924-3930	200 gals	1/2 bpm	3921-3933
3938-3946	200 gals	1/2 bpm	3936-3948
3961-3968	200 gals	1/2 bpm	3959-3971
3974-3979	200 gals	1/2 bpm	3971-3983
3986-3996	200 gals	1/2 bpm	3985-3997

Displace acid w/ 8.6# brine to 3786'. Record ISIP, 5, and 10 SIP. RD DS. **If communication occurs during treatment, attempt to put away stage without exceeding 1000 psi csg pressure. If stage can not be completed move to next and combine stage volumes.**

10. SI well for 2 hrs for acid to spend. Release PPI & PU above top perf. RU swab and swab back load before SION if possible. Record volumes, pressures, & fluid levels. Discuss results with Engineering. If excessive water is produced, selectively swab perf intervals as discussed w/ engineer.
11. POOH w/ PPI and LD. RIH w/ 5-1/2" frac pkr, on/off tool and profile on 3-1/2" WS testing to 8500 psi while RIH. Set packer @ +/- 3700'. Install frac head. Pressure test BS to 750 psi. Hold 700 psi on BS during frac job and observe for communication.
12. MI & RU DS Services. Frac well down 3 1/2" frac string at **40 BPM** with 88,000 gals of YF130, 176,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR1630 proppant. Tag frac using three isotopes (1st in .5 PPG pad stage, 2nd in main sand stages, and 3rd in resin coat stage). Observe a maximum surface treating pressure of **8500 psi**. Pump job as follows:

Pump 2,000 gals 2% KCL water containing 55 gals Baker RE 4777-SCW Scale Inhibitor

Pump 1,000 gals 2% KCL water spacer at **20 BPM**
Pump 14,000 gals YF130 pad containing 5 GPT J451 Fluid Loss Additive at **40 BPM**
Pump 14,000 gals YF130 containing 0.5 PPG 16/30 mesh Jordan Sand & 5 GPT J451 FL Additive
Pump 12,000 gals YF130 containing 1.5 PPG 16/30 mesh Jordan Sand
Pump 12,000 gals YF130 containing 2.5 PPG 16/30 mesh Jordan Sand
Pump 14,000 gals YF130 containing 3.5 PPG 16/30 mesh Jordan Sand
Pump 16,000 gals YF130 containing 4.5 PPG 16/30 mesh Jordan Sand
Pump 6,000 gals YF130 containing 5 PPG **resin-coated** 16/30 mesh CR1630 proppant.

Flush to 3786' with WF130. **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. RD & Release DS Services. **Leave well SI overnight for resin to heal.**

13. Open well and bleed off any pressure. Release packer and POOH. RIH w/ 4-3/4" bit to 4500'. POOH & LD bit. RIH w/ 5-1/2" pkr w/ on/off tool and profile. Set pkr @ +/- 3700'. RU swab and swab well checking for sand inflow. Discuss results w/ engineer. RD swab.
14. MIRU Logging Truck and conduct after Frac Log across completion interval. RD Logging truck.
15. MIRU pump truck. Pump down tbg w/ 50 bbls 8.6 PPG cut brine water containing 110 gals Baker RE-4777 Scale Inhibitor followed by 200 bbls 8.6 PPG cut brine water @ 5 BPM & 2500 psi max pressure. RD pump truck. POOH & LD WS & PPI pkr.
16. RIH w/ 2-7/8" production tbg & hang off as per ALS recommendation. NDBOP NUWH.
17. 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

Well: C.H. Weir B #9

Field: Weir

Reservoir: Tubb/Drinkard

Location:

1653' FNL & 1650' FEL
 Section: 11 (SW/4 NE/4)
 Township: 20S
 Range: 37E Unit: G
 County: Lea State: NM

Elevations:

GL: 3596
 KB: 3605
 DF:

Log Formation Tops

Rustler	1405
Salt	1534
B/Salt	2555
Yates	2690
Seven Rivers	2947
Queen	3517
Grayburg	3783
San Andres	4107
Glorieta	5250
Paddock	5357
Blaine	5795
Tubb	6318
Drinkard	6630
Abo	6952

TUBING DETAIL - 8/29/05

RKB correction: 0'

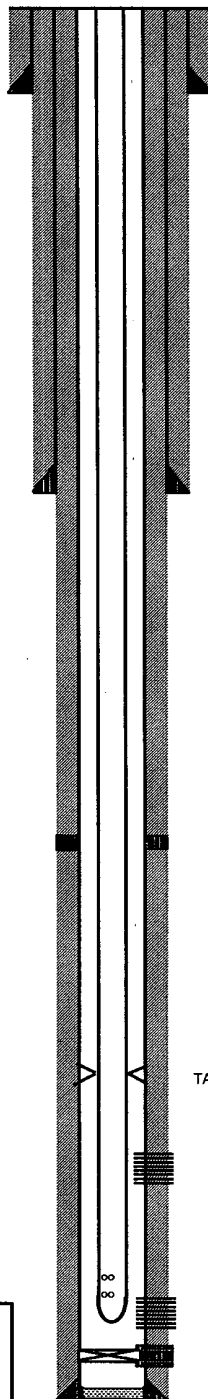
195 jts - 2 3/8" 4.7# J-55 eue-8-rd tbg (6404.18')
 1 5 1/2" TAC (2.70')
 16 jts - 2 3/8" 6.5# J-55 eue-8-rd tbg (525.47')
 1 TK-99 2 3/8" (31.25')
 1 2 3/8" SN (1.10')
 1 2 3/8" MAJT BPOB 4.7# J-55 eue-8-rd (28.25')
 SN @ 6980.00 TAC @ (6406.88')
 EOT @ 6992.95

Rod Detail: 10/14/05

1 1 1/2" x 22' Polish Rod New
 5 7/8" x 2', 2', 4', 6', 6' Pony Rod D-78
 165 7/8" x 25' rods D-78
 99 3/4" x 25' rods D-78
 8 1 1/2" sinker bars
 1 Guided pony rod 4'
 1 20-150-RHBC-20-4 -9 ft EGEN 3096

Prod. Csg: 5 1/2" 17# & 15.5# K-55 8rd

Set: @ 7200 w/1375 sx class H cmt
 DV @ 5207
 Hole Size: 7 7/8" to 7200
 Circ: Yes TOC: Surface
 TOC By: Circulation (125 sx 1st; 110 sx 2nd)

Current Wellbore Diagram**Well ID Info: 428639**

Chevron: IJ6238
 API No: 30-025-29927
 L5/L6: L21 / 1400
 Spud Date: 6/13/87
 Rig Released: 6/26/87
 Compl. Date: 7/28/87

Surface Csg: 11 3/4" 42# H-40 8rd

Set: @ 1420 w/ 1000 sx cmt
 Hole Size: 15" TO 1420
 Circ: Yes TOC: Surface
 TOC By: Circulation

Intermediate Csg: 8 5/8" 32# K-55 8rd

Set: @ 4000 w/ 1425 sx cmt
 Hole Size: 11" to 4000
 Circ: Yes TOC: Surface
 TOC By: Circulation

Initial Completion:

7/87 (Skaggs / Drinkard) perf (2jspf) 6916, 18, 24, 26, 28, 30, 32

A/3000 gal 15% : sqzd/50 sx class H

perf (jspf) 6702, 04, 06, 16, 18, 68, 70, 6808, 18, 20, 22, 24, 30, 40, 44, 50, 52

60, 78, 80, 82, 84, 86, 88, 90, 92, 94 ; A/5200 gal 15%

Subsequent Work

6/97 (Monument Tubb) CIPB @ 6650 ; perf (2jspf) 6410-19,

6422-28, 6454-62, 6488-91, 6520-28, 6532-46 ; A/3750 gal 15% NEFE

F/43000 gal & 118000# 16/30 sd & 32010# 16/30 rcs

2/98 DHC Monument / Tubb & Skaggs Drinkard DO CIPB @

6650 & CO drill & push to 6924 would not go any further (lost 3 cones)

DHC-1776 ; Skaggs Drinkard: oil 100% gas 70%

Monument Tubb: oil 0% gas 30%

DV tool @ 5207

TAC @ 6332.32

Perfs

{ 6410-19, 6422-28, 6454-62, 6488-91,
 6520-28, 6532-46

Status

Tubb - open
 Tubb - open

{ 6702, 04, 06, 16, 18, 68, 70, 6808, 18, 20,
 22, 24, 30, 40, 44, 50, 52, 60, 78, 80,
 82, 84, 86, 88, 90, 92, 94

CIBP pushed to 6924 (3 cones lost)

6916, 18, 24, 26, 28, 30, 32

Drinkard - open
 Drinkard - open
 Drinkard - open

Drinkard - squeezed

TD: 7200 COTD: 7150 PBTD: 6924

Updated: 10-29-04 by WAYN

By: W.P. Johnson

Well: C.H. Weir B #9

Field: Skaggs Grayburg Reservoir: Grayburg

Location:

1653' FNL & 1650' FEL
Section: 11 (SW/4 NE/4)
Township: 20S
Range: 37E Unit: G
County: Lea State: NM

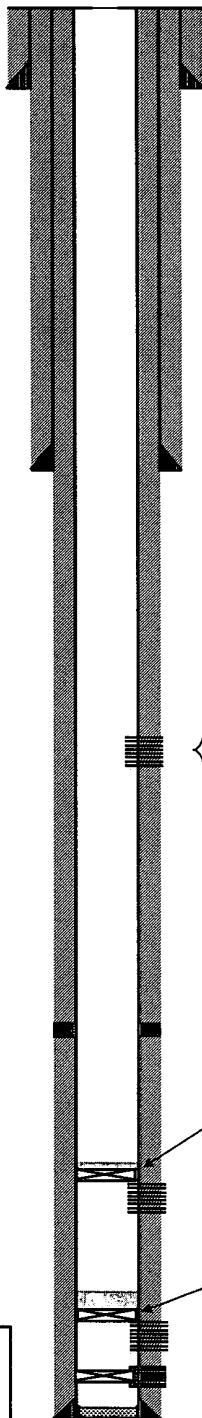
Elevations:

GL: 3596
KB: 3605
DF:

Log Formation Tops

Rustler	1405
Salt	1534
B/Salt	2555
Yates	2690
Seven Rivers	2947
Queen	3517
Grayburg	3783
San Andres	4107
Glorieta	5250
Paddock	5357
Blinebry	5795
Tubb	6318
Drinkard	6630
Abo	6952

**Proposed
Wellbore Diagram**



Well ID Info: 428639

Chevno: IJ6238
API No: 30-025-29927
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Set: @ 1420 w/ 1000 sx cmt
Hole Size: 15\" TO 1420
Circ: Yes TOC: Surface
TOC By: Circulation

Intermediate Csg: 8 5/8\" 32# K-55 8rd

Set: @ 4000 w/ 1425 sx cmt
Hole Size: 11\" to 4000
Circ: Yes TOC: Surface
TOC By: Circulation

Initial Completion:

7/87 (Skaggs / Drinkard) perf (2jsf) 6916, 18, 24, 26, 28, 30, 32

A/3000 gal 15% ; sqzd/50 sx class H

perf (jsf) 6702, 04, 06, 16, 18, 68, 70, 6808, 18, 20, 22, 24, 30, 40, 44, 50, 52
60, 78, 80, 82, 84, 86, 88, 90, 92, 94 ; A/5200 gal 15%

Subsequent Work

6/97 (Monument Tubb) CIBP @ 6650 ; perf (2jsf) 6410-19.

6422-28, 6454-62, 6488-91, 6520-28, 6532-46 ; A/3750 gal 15% NEFE

F/43000 gal & 118000# 16/30 sd & 32010# 16/30 rcs

2/98 DHC Monument / Tubb & Skaggs Drinkard DO CIBP @

6650 & CO drill & push to 6924 would not go any further (lost 3 cones)

DHC-1776 : Skaggs Drinkard: oil 100% gas 70%

Monument Tubb: oil 0% gas 30%

Perfs

3786-3790
3792-3800
3804-3812
3816-3825
3831-3841
3854-3857
3862-3872
3876-3881
3895-3903
3909-3913
3924-3930
3938-3946
3961-3968
3974-3979
3986-3996

Status

Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open
Grayburg - open

DV tool @ 5207

CIBP @ 6380\" w/ 35' Cmt

Perfs

6410-19, 6422-28, 6454-62, 6488-91,
6520-28, 6532-46

Status

Tubb - Closed
Tubb - Closed

CIBP @ 6670\" w/ 35' Cmt

6702, 04, 06, 16, 18, 68, 70, 6808, 18, 20,
22, 24, 30, 40, 44, 50, 52, 60, 78, 80,
82, 84, 86, 88, 90, 92, 94

CIBP pushed to 6924 (3 cones lost)

6916, 18, 24, 26, 28, 30, 32

Drinkard - Closed
Drinkard - Closed
Drinkard - Closed
Drinkard - squeezed

Prod. Csg: 5 1/2\" 17# & 15.5# K-55 8rd

Set: @ 7200 w/1375 sx class H cmt
DV @ 5207

Hole Size: 7 7/8\" to 7200

Circ: Yes TOC: Surface

TOC By: Circulation (125 sx 1st ; 110 sx 2nd)

TD: 7200 COTD: 6345 PBD: 6345

Updated: 3/8/2006 LOPK

By: W.P. Johnson

Tubing Landing Details

[illegible]

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

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Form C-102

Revised February 10, 1999

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Submit to Appropriate District Office

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Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-29927	² Pool Code 57380	³ Pool Name SKAGGS GRAYBURG
⁴ Property Code 11132	⁵ Property Name C.H. WEIR 'B'	⁶ Well No. ⁹
⁷ OGRID Number 4323	⁸ Operator Name CHEVRON USA INC	⁹ Elevation 3605' KB

¹⁰ Surface Location

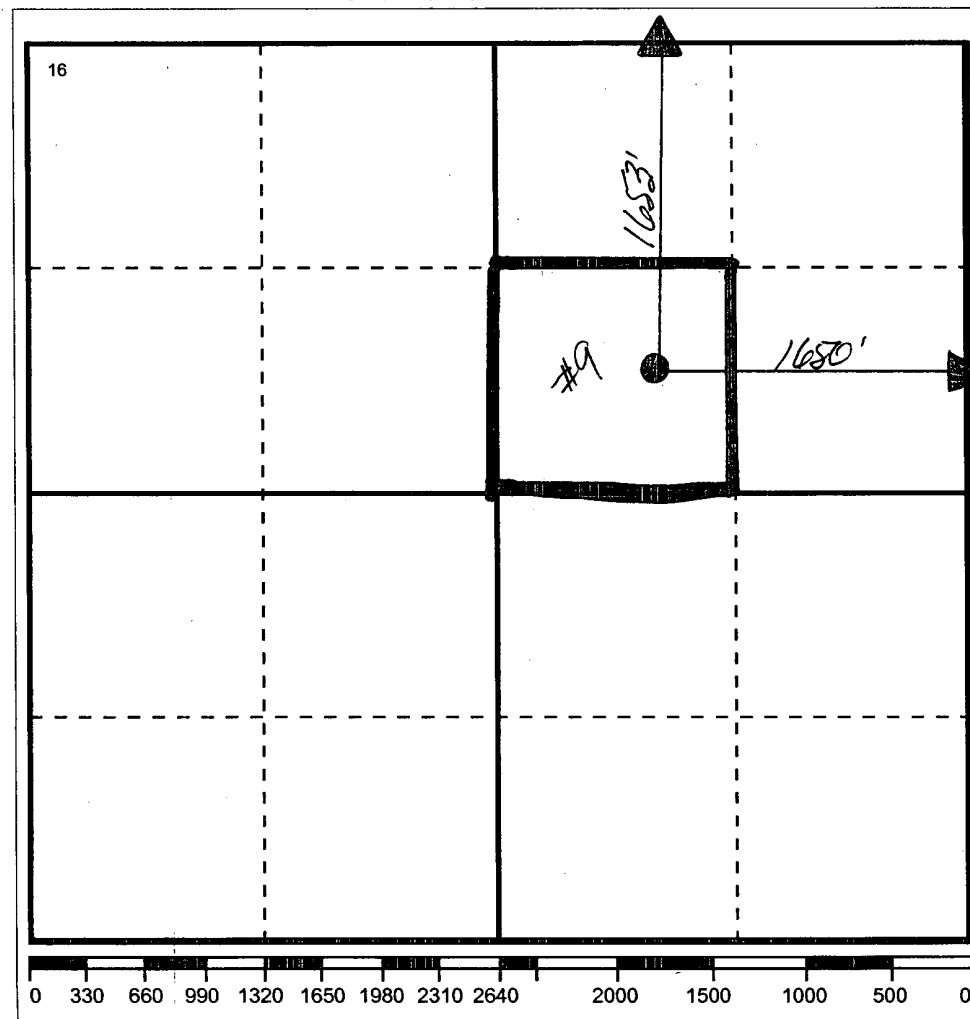
UI or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
G	11	20S	37E		1653	NORTH	1650	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

¹² Dedicated Acre 40	¹³ Joint or Infill No	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



¹⁷ OPERATOR CERTIFICATION

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

Signature

Printed Name

Denise Pinkerton

Position

Regulatory Specialist

Date

3/9/2006


¹⁸ 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

Signature & Seal of
Professional Surveyor

Certificate No.

 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 3/13/2006 12:58 PM

All okay.

From: Mull, Donna, EMNRD
Sent: Monday, March 13, 2006 9:43 AM
To: Phillips, Dorothy, EMNRD
Cc: Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD
Subject: Financial Assurance Requirement

Dorothy,

These Operators have C-101, Intent to drill:

Pogo Producing Co (17891)
Chevron USA Inc (4323)

These Operators have C-104, Request for Allowable:

Range Operating New Mexico Inc (227588)
Apache Corp (873)
Chevron USA Inc (4323)
Pure Resources LP (150628)
Chesapeake Operating Inc (147179)

Is their Financial Assurance Requirements OK?

Thanks Donna