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 10,199
Instructions on bac
Submit to Appropriate District Offic
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	2 OGRID Number
CHEVRON USA INC 15 SMITH RD, MIDLAND, TX 79705	4323 3 API Number 30-025-32944

4 Property Code	5 Property Name	6 Well No.
~~11080~~ 2975	R.R. SIMS 'A'	6

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	4	23-S	37-E		500	SOUTH	375	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	10 Proposed Pool 2
LANGLIE MATTIX;GRAYBURG, ~~SEVEN RIVER-QUEEN~~	

11 Work Type Code	12 WellType Code	13 Rotary or C.T.	14 Lease Type Code	15 Ground Level Elevation
P	O	ROTARY	P	3324' GL, 3339' KB
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
No	5475'	GRAYBURG		

21 Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11	8 5/8	24#	1192'	550 SACKS	SURFACE
7 7/8	5 1/2	15.5 & 17#	5429'	1500 SACKS	SURFACE

AUG 2006
Received
Hobbs
OCD

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zoneand 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 TEAGUE;NORTH SAN ANDRES TO THE LANGLIE MATTIX GRAYBURG RESERVOIR.

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 Denise Pinkerton
Printed Name Denise Pinkerton
Title Regulatory Specialist
Date 8/7/2006 Telephone 432-687-7375

OIL CONSERVATION DIVISION

Approved By:
Title: PETROLEUM ENGINEER
Approval Date AUG 0 9 2006 Expiration Date:
Conditions of Approval:
Attached ☐

DeSoto/Nichols 3-94 ver 1.10

R. R. Sims A # 6
Langlie Mattix Field
T23S, R37E, Section 4
Job: PB To Grayburg Formation, Acidize, And Frac

Procedure:

1. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. Buried fiberglass lines will be tested with 300 psi. All polypipe (SDR7 and SDR11) will be tested w/100 psi. All steel lines will be tested w/500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.

2. MI & RU workover unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test to 1000 psi. POH LD 2 7/8" tbg string.

3. PU and GIH with 4 ¾" MT bit and 2 7/8" work string to 3900'. Reverse circulate well clean from 3900' using 8.6 PPG cut brine water. POH with work string and bit. LD bit.

4. PU and GIH with 5 ½" RBP and sqz pkr on 2 7/8" work string to 3870'. Set pkr at 3870' with RBP swinging. Pressure test CIBP at 3900' to 2000 psi. Release pkr. PUH testing 5 ½" casing with RBP and pkr until csg leak is pinpointed. Establish injection rate and pressure into casing leak. POH with 2 7/8" work string, RBP, and pkr. LD RBP. GIH with 5 ½" sqz pkr on 2 7/8" work string to approximately 300' above csg leak, testing tbg to 5500 psi while GIH. Set pkr approximately 300' above csg leak. Pressure test casing and pkr to 500 psi. Leave pressure on casing and monitor for communication during sqz job.

5. RU DS Services cementing equipment. Cement squeeze casing leak using Class C cement mixed to 14.8 PPG w/ 1.35 CFY. Attempt to achieve at least 2500 psi squeeze pressure. Release pkr. Reverse out excess cement. PUH approximately 300'. Reset pkr and pressure tbg and csg to 500 psi. RD and release DS Services cementing equipment. Shut well in and WOC overnight.

6. Open well. Bleed off pressure. POH with 2 7/8" work string and sqz packer. LD pkr.

7. PU and GIH with 4 ¾" MT bit on 2 7/8" work string to top of cement in csg. LD and drill out cement. Reverse circulate well clean using 8.6 PPG cut brine water. Pressure test casing to 500 psi. If csg leaks, repeat cmt sqz procedure. LD and cleanout csg to top of CIBP at 3900'. Reverse circulate well clean from top of CIBP using 8.6 PPG cut brine water. LD and drill out CIBP at 3900'. Drill or push CIBP down to approximately 4100'. POH with 2 7/8" work string and bit. LD bit.

8. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct GR/CBL/CCL from 4100' up to 100' above top of cement. Run log with with 0 psi on casing.

POH. Inspect logs for good cement bond from approximately 4100' up to 3400'. If bond does not appear to be good across proposed completion interval, discuss with Engineering before proceeding. GIH with 3 3/8" Predator casing guns and perforate from 3696-3706', 3724-34', 3770-80', 3790-94', 3798-3802', 3806-12', 3818-24', 3832-40', 3845-48', 3852-60', 3890-3900', 3912-20', and 3935-45' with 4 JSPF at 120 degree phasing, using 32 gram premium charges. POH. GIH and set CIBP at 3985'. POH. GIH and dump bail 35' of cement on top of CIBP at 3985'. POH. RD & release electric line unit. **Note: Use casing collars from Schlumberger GR/CCL Log dated 3/12/2001 for depth correction.**

9. PU and GIH w/ 5 ½" PPI pkr (with 12' element spacing) and SCV on 2 7/8" work string to approximately 3690'. Test tbg to 5500 psi while GIH.

10. MI & RU DS Services. Acidize perfs 3696-3945' with 2,600 gals anti-sludge 15% HCl acid * at a maximum rate **as shown below** and a maximum surface pressure of **3500 psi**. Spot acid across perfs at beginning of each stage and let soak to lower breakdown pressure and prevent communication. Pump job as follows:

Interval	**Amt. Acid**	**Max Rate**	**PPI Setting**
3935-45'	200 gals	½ BPM	3934-46'
3912-20'	200 gals	½ BPM	3910-22'
3890-3900'	200 gals	½ BPM	3889-3901'
3852-60'	200 gals	½ BPM	3850-62'
3845-48'	200 gals	½ BPM	3840-52'
3832-40'	200 gals	½ BPM	3830-42'
3818-24'	200 gals	½ BPM	3816-28'
3806-12'	200 gals	½ BPM	3804-16'
3798-3802'	200 gals	½ BPM	3794-3806'
3790-94'	200 gals	½ BPM	3784-96'
3770-80'	200 gals	½ BPM	3769-81'
3724-34'	200 gals	½ BPM	3723-35'
3696-3706'	200 gals	½ BPM	3695-3707'

Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Use a SCV to control displacement fluid. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **Note: Pickle tubing in 1 run of 500 gals acid, prior to acidizing perfs. Pickle acid is to contain only 1/2 gal A264 and 1 gal W53. Also, if communication occurs during treatment of any interval, monitor casing pressure and attempt to complete stage w/o exceeding 350 psi csg pressure. If cannot, then move PPI to next setting depth and combine treatment volumes of the intervals. Do not exceed 350 psi casing pressure due to cmt sqzd casing leak.**

* Acid system is to contain:	1 GPT A264	Corrosion Inhibitor
	8 GPT L63	Iron Control Agent
	2 PPT A179	Iron Control Aid
	20 GPT U66	Mutual Solvent
	2 GPT W53	Non-Emulsifier

11. Release PPI pkr and PUH to approximately 3675'. Swab back all intervals together. Recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Selectively swab perfs as directed by Engineering if excessive water is produced.**

12. Open well. Release PPI pkr. POH with tbg and PPI packer. LD PPI tool.

13. PU and GIH w/ 5 ½" Lok-Set pkr & On-Off tool w/ 2.25" "F" profile and 117 jts. of 3 ½" EUE 8R L-80 work string, testing to 8500 psi. Set pkr at approximately 3600'. Install frac head. Pressure annulus to 350 psi to test csg and pkr. Leave pressure on csg during frac job to observe for communication. **Note: Do not exceed 350 psi casing pressure due to cmt sqzd casing leak.**

14. MI & RU DS Services and Tracer-Tech Services (Mike Mathis (866) 595-3115). Frac well down 3 ½" tubing at **40 BPM** with 88,000 gals of YF125, 176,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR1630 proppant. Observe a maximum surface treating pressure of **8000 psi**. Tag frac with 2 radioactive isotopes (1 in regular sand stages, and 1 in resin-coated proppant stage). Pump job as follows:

    Pump 2,000 gals 2% KCL water containing 55 gals Baker RE 4777-SCW Scale Inhibitor at **6 BPM**
    Pump 1,000 gals 2% KCL water spacer at **20 BPM**
    Pump 14,000 gals YF125 pad containing 5 GPT J451 Fluid Loss Additive at **40 BPM**
    Pump 14,000 gals YF125 containing 0.5 PPG 16/30 mesh Jordan Sand & 5 GPT J451 FL Additive
    Pump 12,000 gals YF125 containing 1.5 PPG 16/30 mesh Jordan Sand
    Pump 12,000 gals YF125 containing 2.5 PPG 16/30 mesh Jordan Sand
    Pump 14,000 gals YF125 containing 3.5 PPG 16/30 mesh Jordan Sand
    Pump 16,000 gals YF125 containing 4.5 PPG 16/30 mesh Jordan Sand
    Pump 6,000 gals YF125 containing 5 PPG **resin-coated** 16/30 mesh CR1630 proppant.

    Flush to 3600' with 1,315 gals WF125. **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. RD & Release DS Services and Tracer-Tech Services. **Leave well SI overnight.**

15. Open well. Bleed pressure from well, if any. Release pkr. POH LD 3 ½" work string, on-off tool, and pkr.

16. PU and GIH with 4 ¾" MT bit on 2 7/8" work string to PBTD at 3950'. Reverse circulate well clean from 3950' using 8.6 PPG cut brine water. POH with 2 7/8" tbg string and bit. LD bit.

17. PU & GIH with 5 ½" pkr on 2 7/8" tbg string to 3600'. Set pkr at 3600'. Open well. GIH and swab well until there is no sand inflow. Swab well for at least 3 hours before logging. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct after-frac PRISM GR/Temp/CCL log from 3950' up to 3300'. POH. RD & release electric line unit. **Note: Correlate logs and run flat with Baker Atlas GR/CBL/CCL Log conducted in Step # 8.**

18. Release pkr. POH with 2 7/8" tbg string and pkr. LD packer.

19. PU and GIH w/ BP mud anchor jt of 2 7/8" tbg, 2 7/8" x 4' perforated sub, SN, 1 jt 2 7/8" EUE 8R J-55 IPC tbg, 7 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 117 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 3625', with EOT at 3930' and SN at 3895'.

20. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release pulling unit.

21. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH
8/3/2006

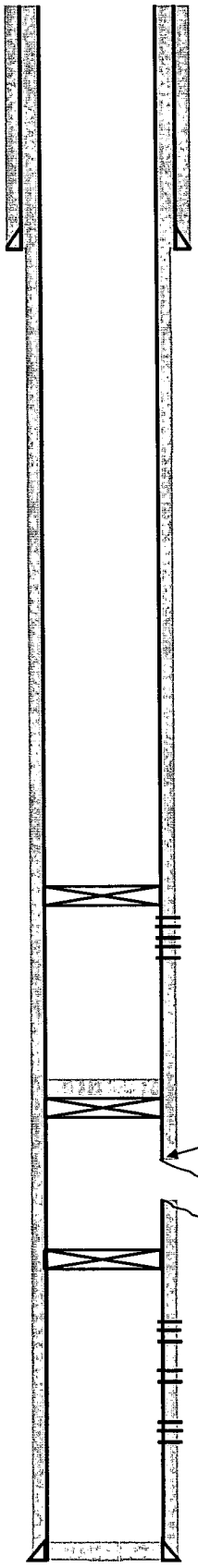
Well: **R. R. Sims A # 6** Field: **Teague North** Reservoir: **San Andres**

Location:
500' FSL & 375' FWL
Section: 4
Township: 23S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3324'
KB: 3339'
DF: 3338'

Current
Wellbore Diagram

Well ID Info:
Chevno: BC4544
API No: 30-025-32944
L5/L6: U820800
Spud Date: 6/28/95
Compl. Date: 7/28/95



Surface Csg: 8 5/8", 24#, CF-50
Set: @ 1192' w/ 550 sks
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	15.00

None

0	Bottom Of String >>	15.00

CIBP @ 3900'
(No cmt on top)

Perfs: **Status:**
3994-4006' San Andres - Below CIBP

CIBP @ 4990'
(35' cmt on top)

TOW @ 5001'
BOW @ 5007'

CIBP @ 5095'
(No cmt on top)

TD of Glorieta/U. Paddock lateral @ 5531' MD

5104-06'	Glorieta/Paddock - Below CIBP
5115-18'	Glorieta/Paddock - Below CIBP
5128-32'	Glorieta/Paddock - Below CIBP
5194-5208'	Glorieta/Paddock - Below CIBP
5214-18'	Glorieta/Paddock - Below CIBP
5290-94'	Glorieta/Paddock - Below CIBP

COTD: 3900'
PBTD: 5344'
TVD: 5475'

Prod. Csg: 5 1/2", 15.5 & 17#, K-55 & L-80
Set: @ 5429' w/ 1500 sks
Hole Size: 7 7/8"
Circ: No **TOC:** 1200'
TOC By: Temperature Survey

Updated: 11/14/2005 **By:** A. M. Howell

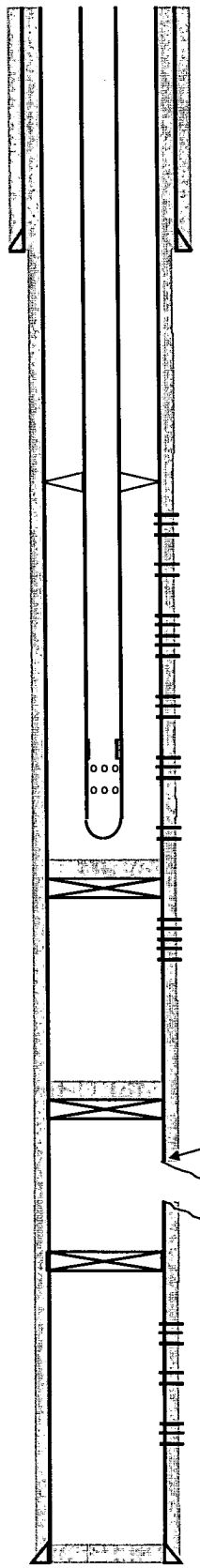
Well: **R. R. Sims A # 6** Field: **Langlie Mattix** Reservoir: **Grayburg**

Location:
500' FSL & 375' FWL
Section: 4
Township: 23S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3324'
KB: 3339'
DF: 3338'

Proposed
Wellbore Diagram

Well ID Info:
Chevno: BC4544
API No: 30-025-32944
L5/L6: U820800
Spud Date: 6/28/95
Compl. Date: 7/28/95



Surface Csg: 8 5/8", 24#, CF-50
Set: @ 1192' w/ 550 sks
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	15.00
117	Jts. 2 7/8" EUE 8R J-55 Tbg	3627.00
	TAC	3.15
7	Jts. 2 7/8" EUE 8R J-55 Tbg	217.00
1	Jt. 2 7/8" EUE 8R J-55 IPC Tbg	31.00
	SN	1.10
	2 7/8" x 4' Perf Tbg Sub	4.00
1	Jt. 2 7/8" EUE 8R J-55 Tbg	31.00
	Bull Plug	0.50
126	**Bottom Of String >>**	3929.75

Perfs:	Status:
3696-3706'	Grayburg - Open
3724-34'	Grayburg - Open
3770-80'	Grayburg - Open
3790-94'	Grayburg - Open
3798-3802'	Grayburg - Open
3806-12'	Grayburg - Open
3818-24'	Grayburg - Open
3832-40'	Grayburg - Open
3845-48'	Grayburg - Open
3852-60'	Grayburg - Open
3890-3900'	Grayburg - Open
3912-20'	Grayburg - Open
3935-45'	Grayburg - Open

CIBP @ 3985'
(35' cmt on top)

Perfs:	Status:
3994-4006'	San Andres - Below CIBP

CIBP @ 4990'
(35' cmt on top)

TOW @ 5001'
BOW @ 5007'

CIBP @ 5095'
(No cmt on top)

TD of Glorieta/U. Paddock lateral @ 5531' MD

5104-06'	Glorieta/Paddock - Below CIBP
5115-18'	Glorieta/Paddock - Below CIBP
5128-32'	Glorieta/Paddock - Below CIBP
5194-5208'	Glorieta/Paddock - Below CIBP
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5290-94'	Glorieta/Paddock - Below CIBP

COTD: 3950'
PBTD: 5344'
TVD: 5475'

Prod. Csg: 5 1/2", 15.5 & 17#, K-55 & L-80
Set: @ 5429' w/ 1500 sks
Hole Size: 7 7/8"
Circ: No **TOC:** 1200'
TOC By: Temperature Survey

Updated: 11/14/2005 **By:** A. M. Howell

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-025-32944	37240	LANGLIE MATTIX 7 RIVERS QUEEN GRAYBURG

4 Property Code	5 Property Name	6 Well No.
29995 ~~11060~~	R.R. SIMS 'A'	6

7 OGRID Number	8 Operator Name	9 Elevation
4323	CHEVRON USA INC	3324' GL, 3339' KB

10 Surface Location

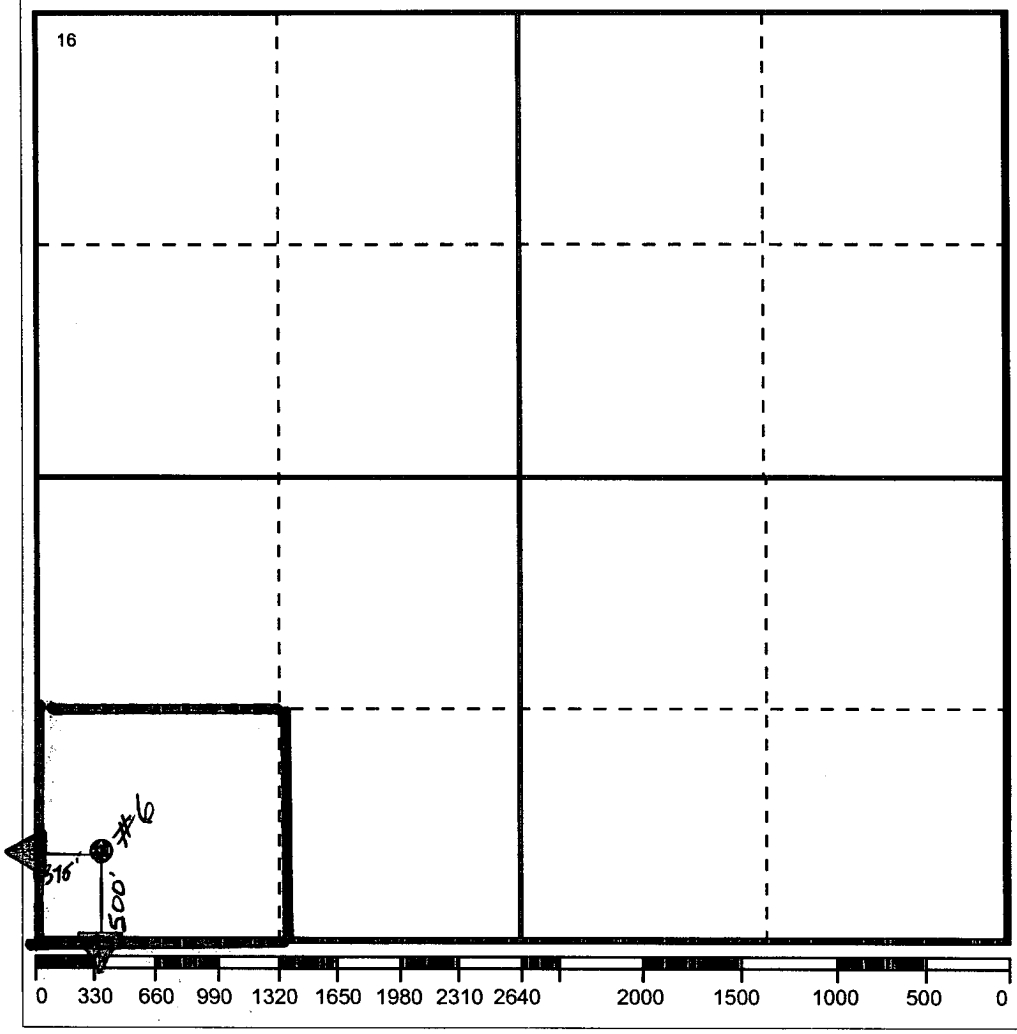
Ul or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
M	4	23-S	37-E		500	SOUTH	375	WEST	LEA

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 Acre	13 Joint or Infill	14 Consolidation Code	15 Order No.
40	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: Denise Pinkerton

Printed Name: Denise Pinkerton

Positio: Regulatory Specialist

Date: 8/7/2006

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.

DeSoto/Nichols 3/94 ver 1.10