

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

<sup>1</sup> Operator Name and Address CHEVRON USA INC 15 SMITH RD, MIDLAND, TX 79705		<sup>2</sup> OGRID Number 4323
		<sup>3</sup> API Number 30-025-06073
<sup>4</sup> Property Code 29919	<sup>5</sup> Property Name C.H. WEIR 'A'	<sup>6</sup> Well No. 7

<sup>7</sup> Surface Location									
UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
L	12	20S	37E		1985	SOUTH	660	WEST	LEA

<sup>8</sup> Proposed 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
<del>E</del>	<del>12</del>	<del>20S</del>	<del>37E</del>		<del>1660</del>	<del>NORTH</del>	<del>660</del>	<del>WEST</del>	<del>LEA</del>
<sup>9</sup> Proposed Pool 1 MONUMENT TUBB					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code P	<sup>12</sup> WellType Code G	<sup>13</sup> Rotary or C.T.	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3567' GL
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 6900'	<sup>18</sup> Formation TUBB	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 10/15/2005

<sup>21</sup> 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 Plugback					

<sup>22</sup> 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 MONUMENT TUBB RESERVOIR.

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

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

*Please reference Administrative Order SD-05-01, attached*

<sup>23</sup> 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.		OIL CONSERVATION DIVISION	
Signature <i>Denise Pinkerton</i>		Approved By: <i>[Signature]</i>	
Printed Name Denise Pinkerton		Title: PETROLEUM ENGINEER	
Title Regulatory Specialist		Approval Date: OCT 04 2005	
Date 9/28/2005		Expiration Date:	
Telephone 432-687-7375		Conditions of Approval: Attached <input type="checkbox"/>	

**WEIR, C H A #7****Location:**

1985 FSL &amp; 660 FWL Sec.12 T-20-S R-37-E

**Unit Letter:** L**Field:** Weir Blinebry/ Skaggs Drinkard**County:** Lea**State:** NM**Area:** Hobbs**Well Info:****Comp. Date:** 10/17/61**Spud Date:** 8/11/61**API:** 30 025 06073**RefNO:** FA7194**Status:****Current  
Wellbore Diagram****Elevations****KB:** 3579'**GL:** 3567'**DF:** 3578'**Tbg Detail:** (5/98)

2 3/8" tbg, 4.7# J-55

3 1/2" MA 29.18' (6797')

2 3/8" sub 2'

2 3/8" SN 1.10' (6767')

5 1/2" x 2 3/8" TAC 2.76' (6448')

**Rod Detail:** (5/98)

2275' 7/8" KD rods w/ SH couplings

4500' 3/4" KD rods w/ FH couplings

150' 1-1/2" sinker bars

2"x1-1/4"x20' subsurface pump

**Formation Tops:**

T. Anhydrite 1390'

T. Salt 1470'

Base Salt 2525'

Yates 2675'

Queen 3490'

Penrose 3624'

Grayburg 3757'

San Andres 4059'

Glorieta 5232'

Tubb 6342'

Drinkard 6650'

**Surface Casing**

Size: 10 3/4"

Set: @ 1399'

With: 950sx

Hole Size: 15"

Circ: Yes

TOC @ Surface

Grade: H-40

Wt: 32.75#

**Intermediate Casing**

Size: 7 5/8"

Set: @ 5474'

With: 2400sx

Hole Size: 9 5/8"

Grade: H-40

Wt: 24#

\*\* 0-5415' cmt tie back liner, 600sx

\*\* 5415'-6899' 5 1/2" 15.5# J-55 Liner

5 1/2" Liner top @ 5419'

**Production Casing**

Size: 5 1/2"

Set: @ 0 - 5419'

With: 600sx

Hole Size: 6 3/4"

Grade: J-55

Wt: 15.5#

5419' - 6899'  
200sx

PBSD: 6842'

TD: 6900'

Updated: 27-May-03

By: CASSIE TAYLOR

# WEIR, C H A #7

## Location:

1985 FSL & 660 FWL Sec.12 T-20-S R-37-E  
 Unit Letter: L  
 Field: Monument Tubb  
 County: Lea  
 State: NM  
 Area: Hobbs

## Well Info:

Comp. Date: 10/17/61  
 Spud Date: 8/11/61  
 API: 30 025 06073  
 RefNO: FA7194  
 Status:

47090

## Proposed Wellbore Diagram

## Elevations

KB: 3579'  
 GL: 3567'  
 DF: 3578'

## Tbg Detail: (5/98)

2 3/8" tbg, 4.7# J-55  
 3 1/2" MA 29.18' (6797')  
 2 3/8" sub 2'  
 2 3/8" SN 1.10' (6767')  
 5 1/2" x 2 3/8" TAC 2.76' (6448')

## Rod Detail: (5/98)

2275' 7/8" KD rods w/ SH couplings  
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 150' 1-1/2" sinker bars  
 2"x1-1/4"x20' subsurface pump

## Formation Tops:

T. Anhydrite 1390'  
 T. Salt 1470'  
 Base Salt 2525'  
 Yates 2675'  
 Queen 3490'  
 Penrose 3624'  
 Grayburg 3757'  
 San Andres 4059'  
 Glorieta 5232'  
 Tubb 6342'  
 Drinkard 6650'

## Surface Casing

Size: 10 3/4"  
 Set @ 1399'  
 With: 950sx  
 Hole Size: 15"  
 Circ: Yes  
 TOC @ Surface  
 Grade: H-40  
 Wt: 32.75#

## Intermediate Casing

Size: 7 5/8"  
 Set @ 5474'  
 With: 2400sx  
 Hole Size: 9 5/8"  
 Grade: H-40  
 Wt: 24#

\*\* 0-5415' cmt tie back liner, 600sx  
 \*\* 5415'-6899' 5 1/2" 15.5# j-55 Liner

## Production Casing

Size: 5 1/2"  
 Set @ 0 - 5419' 5419' - 6899'  
 With: 600sx 200sx  
 Hole Size: 6 3/4"  
 Grade: J-55  
 Wt: 15.5#

3612'-84' (Eumont)  
 perfs sqz'd w/150sx

5280'-96' (Glorieta)  
 perfs sqz'd w/100sx

Blinberry perfs 5722'-5896'

Tubb perfs 6313'-6507'

CIBP @ 6585' w/ 20' cmt

Drinkard perfs 6589'-6890'

5 1/2" Liner top @ 5419'

Updated: 22-Sep-05  
 By: LOPK

PBTD: 6565'  
 TD: 6900'

**CH Weir A #7**  
**Monument Tubb Field**  
**Section 12, T20S, R37E**  
**Lea County, NM**  
**30-025-06073**

**Tubb Completion Procedure (use 2% KCl FW for all fluids put on well):**

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. Bleed pressure from well & kill down casing with 2% KCl water. POOH w/ rods & pump (see WBD). NDWH NUBOP. Test BOP to 1,000 psi when possible. Release TAC and POOH w/ 2-3/8" Tbg. Send tbg in for inspection.
3. PU and GIH w/ 4-3/4" MT bit on 2-7/8" WS to 6585'. POOH & LD bit.
4. MIRU WL. RIH w/ 5-1/2" CIBP & set @ 6585'. Dump 20' cmt on top. POOH & RD WL.
5. RIH w/ 5-1/2" pkr on 2-7/8" WS. Set pkr @ 5690'. Load and test BS to 500#.
6. MIRU DS. Cement squeeze Blinbry perms to a max pressure of 2500# as per Schlumberger recommendation. Release pkr and reverse circulate out excess cmt. POOH w/ pkr.
7. RIH w/ 4-3/4" bit to top of cement. Drillout cmt to 6565'. Test squeeze perms to 500#. POOH w/ bit.
8. MIRU BakerAtlas electric line unit. Perf Tubb intervals w/ 3-1/8" slick guns loaded w/ 23 gram charges 2 JSPF w/ 120° phasing tied back to Welex's Radioactivity Log dated 9/14/61 as follows:

Top Perf	Bottom Perf	Net Feet	Total Holes
6313	6323	10	20
6332	6350	18	36
6372	6379	7	14
6395	6403	8	16
6414	6426	12	24
6439	6445	6	12
6448	6458	10	20
6472	6477	5	10
6482	6486	4	8
6489	6492	3	6
6497	6507	10	20

9. RIH w/ 5-1/2" pkr & on/off tool w/ profile on 3-1/2" frac string testing to 8,500 psi. Set Pkr @ 6200'. Pressure test BS to 500 psi and leave pressure on csg during acid job and swabbing to monitor for communication.
10. MIRU DS acid truck. Pump 3,500 gals 15% NEFE anti-sludge HCl acid at a max rate of 6 BPM and max treating pressure of 4,500 psi dropping 300 1.3 SG 7/8" ball sealers evenly spaced throughout job. Displace with 2% KCl water – do not overdisplace. Record ISIP, 5, 10, & 15 minute SIP's.

Note: Pickle tubing before acid job if rep determines necessary.

11. Release pkr and RIH to 6520' to knock balls off perms. PU to 6200' and reset pkr. RU swab and swab back load before SION if possible. Report recovered fluid volumes, pressures, and fluid levels.
12. MIRU DS. Frac well down 3-1/2" tubing at 35 BPM w/ 74,000 gals of 50 Quality YF340LPH Foam, 6,000 lbs FLA100, and 207,000 lbs. 16/30 mesh Jordan-Unimin. PropNet will be pumped with the last 35,000 lbs 16/30. Max treating pressure 8500 psi. Pump job as follows:

Pump 24,000 gal 50 Quality YF340LPH pad 5 GPT J451 Fluid Loss Additive  
Pump 4,000 gal 50 Quality YF340LPH containing 1 PPG 16/30 mesh Jordan-Unimin  
Pump 6,000 gal 50 Quality YF340LPH containing 2 PPG 16/30 mesh Jordan-Unimin  
Pump 8,000 gal 50 Quality YF340LPH containing 3 PPG 16/30 mesh Jordan-Unimin  
Pump 9,000 gal 50 Quality YF340LPH containing 4 PPG 16/30 mesh Jordan-Unimin  
Pump 10,000 gal 50 Quality YF340LPH containing 5 PPG 16/30 mesh Jordan-Unimin  
Pump 10,000 gal 50 Quality YF340LPH containing 6 PPG 16/30 mesh Jordan-Unimin  
(start pumping PropNet w/ 14,000 lbs of sand left in stage)  
Pump 3,000 gal 50 Quality YF340LPH containing 7 PPG 16/30 mesh Jordan-Unimin  
w/ Prop Net

Flush to 6313'. **Do not overflush.** SI well and record ISIP, 5, 10, and 15 minute SIP. RD DS.

13. Open well and flowback or swab in as necessary until well cleans up and a stabilized flow rate is obtained. Report recovered fluid volumes, pressures, and fluid levels.
14. MIRU WL. RIH & set plug in profile. Get off on/off and POOH w/ 3-1/2" WS. RIH w/ 2-3/8" production tbg & top half of on/off tool. Circulate pkr fluid. Get on on/off tool. Pull profile plug.
15. Turn well over to production.

Well History  
**WEIR, C H A #7**

**9/61 Initial Completions**

1st interval      6787-6840 (Drinkard)  
                     Acidized w/1000gal NEA  
                     24hr: 120 BO, 0 BW, 1416MCF

2nd interval      5280-5296 (Glorieta)  
                     Acidized w/1000gal NEA, Max P 4000, Min 1500  
                     Test: 66 BO, 1 BW, 3121 GOR

3rd interval      3612-3684 (Eumont)  
                     Acidized w/1000gal 15% acid followed by 20,000gal Ref. Oil; 30,000#sand  
                     Max Csg Press = 2700, Min = 2600  
                     Max Tbg Press = 3600, Min = 2800, 10minSI = 2500, Rate 26bpm  
                     Flowed 24hrs, recovered 4bbl oil load, no water; 30/64 chk, 2100mcf

**3/64 Acidize Gloreita zone**

Acidized perms 5280-5296 w/2000gals 15% acid  
MaxP = 1500, MinP = 1300, ISIP = 400, 1min = vac  
Test: 23 BOPD, 12 MCFPD, 0 water, GOR 525

**8/2/69 SI Drinkard - Tubing Stuck**

**5/3/70 Spot scale chemical on perms (3 drums United Techniclean-405 & 3 drums water)**

Acidize perms 5280-5296 w/500gals 5% NEA  
Sqz perms w/2 drums United-763 scale inhibitor w/25bbl water  
24hr Test: 22 BO, 12 BW, GOR 1820

**11/13/75 Remedial Work; Downhole Commingle**

Squeeze Eumont perms 3612-84' w/150sx Class C cmt

12/12/75 Perf 5-1/2" liner w/2jspf [6850-57, 63-66, 77-80]  
Sqz perms 6787-6880 w/165gal scale conv w/165gal FW  
Acidize w/ 4000gals 15% NEA in 4 1000gal stages w/300# RS b/t stages  
Flushed w/40bbbls water  
MaxP = 3800, Min = 1900, ISIP = 1500, 15min = vac

12/15/75 Acidized Glorieta perms 5280-96 w/2000gal 15% NEA in two stages w/500# of RS btwn stages  
Flushed w/30bbbls frsh water  
MaxP = 2200, Min = 1900, ISIP = 2100, 15min = vac  
24hr test (3/13): Pumped 30 BNO, 127 BSW, GOR 8000

**8/3/85 Glorieta perms 5280-96 sqz'd w/200sx CI "C"**

Recompletion:    perforated 5 1/2" csg[6589 - 6890] 1spf  
                     Acidized perms w/ 14000gals 15% HCL & 108 HCN BS's in 3 stgs  
                     Set cmt retainer at 5546'; displaced w/50 sx CI H (15.2ppg) cmt below ret. &  
                     spotted 50sx CI H cmt on top of ret;  
                     TOC 5273', BOC 6002'; Well dead - no flow

**8/13/85 Initial objective was to move all equipment off location**

High pressure - Well blew out - killed w/10# brine

2/3/86 Casing test and cement job

- Perf csg w/2 squeeze holes @750'. Set pkr @ 700', and sqz bradenhead w/220sx Class H w/2% CaCl<sub>2</sub>; Flush w/32bbbls fw
- Tag cmt at 635', drill to 752'; tested to 1000# and held OK
- Drilled cmt to CIBP @ 5404'; tagged liner at 5408'; Tested 5808' to surface 1000#
- TIH w/4 3/4" bit to liner at 5408'; Drilled cmt liner out 5 1/2" to 5455'; TOH;
- TIH w/mill and dress liner top @5408'
- GIH w/5 1/2" shoe, lead packoff, latch collar, and 131jts 5 1/2" csg
- Halliburton cmt liner w/600sx class H cmt w/2% CaCl<sub>2</sub>; circ 75sx to surface
- TIH w/ 4 3/4" bit and drill collars on 2 7/8" workstring; Tag TOC 5215';
- drill to 5525', then drill retainer at 5560'; drill to 6039' and fell free; set pkr @ 6400'

10/14/93 Remedial work - Drinkard

Perforate Drinkard...2spf

[6837,36,34,32,22,12,10,02,6770,59,51,46,39,33,20,18,16,14,04,  
6691,86,76,70,68,53,30,28,22,13,03,01,6596,92,90]

Acidize Drinkard perms 6590-6837 w/3500gals 15% NEFE & 2000# rock/sa;t  
MaxP = 230, Avg = 170, AIR = 7bpm, ISIP = vac, Total 150bbblsa

Frac w/67000gals 30# X/L gel, 228000# 20/40, tail in w/60000# 12/20 sand  
pump in 2,4,6,8,10 ppg stages;  
MaxP = 7600, Avg = 6800, AIR = 38bpm, ISIP = 3600, 10min = 820  
OPT: 7 BOPD, 39 BWPD, 518 MCFD

8/95 Cmt perms 5280-96 (32holes) w/100sx Class C w/4% Halid, tail in w/100sx Class C neat; Max P = 4900#  
Drill from 4881' to 6897'

Perforate the 5-1/2" csg w/1spf

[6589,91,93,95,6600,02,04,06,08,10,12,14,16,18,22,26,28,30,32,34,36,50,52,54,  
67,69,71,73,76,82,85,91,6703,05,10,12,14,16,18,20,22,28,30,32,34,36,39,46  
51,58,60,70,6871,84,86,88, 6890']

57 holes

Acidize perms 6859-6890 w/14000gals 15% HCl and 108 RCN ball sealers in 3stgs  
MaxP = 4000, Min = 3000, AIR = 7bpm, ISIP = 900#, on vac in 6min

Well blowing out 8/15

killed w/10# brine

Abandon perms: Set cmt retainer at 5546, cmt'd w/50sx Class H  
Set CIBP @5008'

8/22/96 Set CIBP @ 6500', circ hole w/150bbbls 2% KCl

Dump 35' cmt on top; PBTD = 6465'

Perforate Weir Blinebry

[5722-28,5746-72,5794-5808,5842-46,5876-96]

70' net, 2spf, 140 holes

Acidized perms 5722-5896' w/3500gal 15% NEFE w/210 7/8" ball sealers

Fair ball action; Flush w/28bbbls

MaxP = 4800, MinP = 2550, ISIP = 0, Rate = 2.5bpm,

Flow from Weir Blinebry perms : FTP 280#, 25/64 chk, 722mcf, 0 BO, 55 BW;

5/1/97 DHC

Drill out CIBP at 6500, drill to junk at 6842' (new PBTD)

Run new artificial lift equipment (rods, etc.)

24 hr OPT: 970 mcf, 20 bw, 0 bo

5/6/98 Acidize Blinebry perms 5722-5896 w/3500gals 15% NEFE HCl & 2000# Rock Salt

Pumped in 3 stages

MaxP = 3650#, Min = vac, AIR = 3.5bpm, ISIP vac, total load 154bbls

24hr OPT: 0 BO, 48 BW, 397 MCF

6/2001 Proposal to drill horizontal



July 29, 2005

Chevron U.S.A., Inc.  
15 Smith Road  
Midland, Texas 79705

Attention: Keith Lopez, Petroleum Engineer  
lopk@chevron.com

**RE: NMOCD Correspondence Reference No. SD-05-01: Monument-Tubb Pool (47090) development within Chevron U.S.A., Inc.'s existing 80-acre standard lay-down oil spacing and proration unit comprising the N/2 SW/4 (Units K and L) of Section 12, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico.**

Dear Mr. Lopez:

Reference is made to the following: (i) your letter dated July 11, 2005 (*Division administrative reference No. pSEM0-519630601*); and (ii) the records of the New Mexico Oil Conservation Division ("Division").

The rules currently governing spacing, well locations, gas/oil ratio limitation, and allowables for the Monument-Tubb Pool include, but not necessarily limited to:

- (a) Division Order No. R-2800, issued in Case No. 3123 on November 10, 1964
- (b) Division Order No. R-10128, issued in Case No. 10984 on June 3, 1994; and
- (c) Division Rule 505.A.

It is the Division's understanding that oil and casinghead gas production attributed to the Monument-Tubb Pool within this 80-acre unit is to be simultaneously dedicated to the following two described Chevron U.S.A., Inc. operated wells:

- (1) C. H. Weir "A" Well No. 14 (**API No. 30-025-27829**), which is this unit's original well located at a standard oil well location 1980 feet from the South line and 1815 feet from the West line (Unit K) of Section 12; and.
- (2) C. H. Weir "A" Well No. 7 (**API No. 30-025-0673**), to be recompleted into the Monument-Tubb Pool at a standard infill oil well location 1985 feet from the South line and 660 feet from the West line (Unit L) of Section 12.

Sincerely,

Michael E. Stogner  
Engineer

cc: New Mexico Oil Conservation Division – Hobbs

District I  
1525 N. French Dr., Hobbs, NM 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised March 17, 1999

District II  
811 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION

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

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

2040 South Pacheco  
Santa Fe, NM 87505

District IV  
2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-06073	<sup>2</sup> Pool Code 47090	<sup>3</sup> Pool Name Monument Tubb
<sup>4</sup> Property Code 29919	<sup>5</sup> Property Name Weir, C.H. - A-	<sup>6</sup> Well Number 7
<sup>7</sup> OGRID No. 4323	<sup>8</sup> Operator Name Chevron Corporation	<sup>9</sup> Elevation 3579' KB

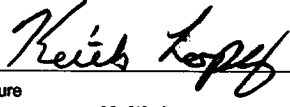
<sup>10</sup> Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	12	20S	37E		1985	South	660	West	Lea

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

12				17
				<b>OPERATOR CERTIFICATION</b>  <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 June 28, 2005
				18
				<b>SURVEYOR CERTIFICATION</b>  <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

