

District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr, Santa Fe, NM 87501

RECEIVED
OCT 23 2009
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State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
June 16, 2008

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address Apache Corp, 6120 S Yale Ave, Suite 1500, Tulsa, OK 74136-4224		² OGRID Number 873
		³ API Number 30 - 025-07767
⁴ Property Code 303210	⁵ Property Name Blankenship	⁶ Well No 002
⁹ Proposed Pool 1 House; Drinkard		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no L	Section 12	Township 20S	Range 38E	Lot Idn	Feet from the 2075	North/South line South	Feet from the 555	East/West line West	County Lea
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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
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Additional Well Information

¹¹ Work Type Code A	¹² Well Type Code I	¹³ Cable/Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3557'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 7125'	¹⁸ Formation Tubb/Drinkard	¹⁹ Contractor Open	²⁰ Spud Date Open

21 Proposed Casing and Cement Program

Hole Size NC	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

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.

This well is currently producing "Blinbry"/Tubb, with Drinkard behind plug.

Apache proposes to convert this well to the Tubb/Drinkard and squeeze off the "Blinbry" per instructions in R-13176 that identify these perforations as Paddock.

1. MIRU. DO cmt and CIBP @ 6950'.
2. Isolate and squeeze Paddock perforations fr/ 5946-6055'.
3. DO cmt and retainer and pressure test.
4. RIH w/ IPC injection tubing.
5. Set packer @ 6500' and place well on injection in the Tubb/Drinkard.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

Recomplete

R-13176 Inject to Injection

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief

Signature

Sophie Mackay

Printed name Sophie Mackay

Title Engineering Technician

E-mail Address sophie.mackay@apachecorp.com

Date 10/13/2009

Phone 918-491-4864

OIL CONSERVATION DIVISION

Approved by

[Signature]

Title

PETROLEUM ENGINEER

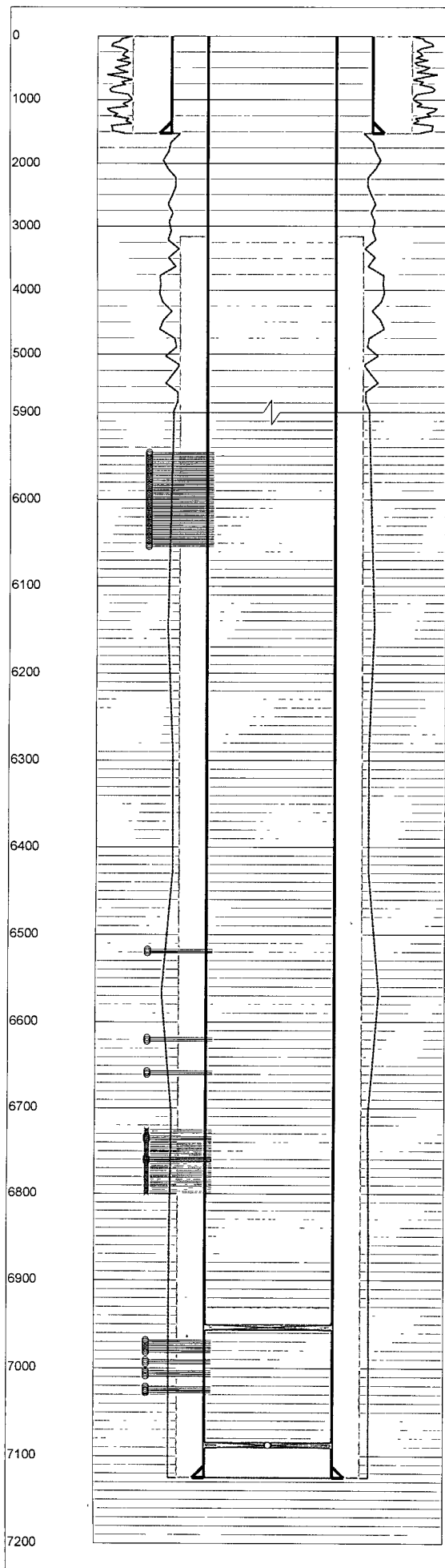
Approval Date

NOV 10 2009

Expiration Date

Condition of Approval: Approval to recomplete and Test each zone for injection, but cannot inject into wellbore until OCD Santa Fe approves injection order

Condition of Approval: Notify OCD Hobbs office 24 hours prior to running MIT Test & Chart.



CURRENT COMPLETION

Last Updated: 10/12/2009 1:55:34 PM

Field Name			Lease Name		Well No.
House			Blankenship		2
County	State	API	GL (ft)	KB (ft)	
Lea	New Mexico	30-025-07767	3557	3569	
Sec.	Twp/Blk	Rng/Svy	Footage		
L-12	20S	38E	2075' FSL & 555' FWL from Section		
Spud Date		Comp. Date	Prepared By	Last Updated	
9/1/1957		10/18/1957	Jeff Frederick	10/12/2009	

Current Status					
Currently producing from Paddock and Tubb perforations Pending					

Hole Summary					
Date	OD (in)	Top (KB ft)	Bottom (KB ft)	Comments	
9/1/1957	12 0000	0	1,527		
9/1/1957	7 8750	1,527	7,125		

Tubular Summary						
Date	Description	OD (in)	Wt (lb/ft)	Grade	Top (KB ft)	Bottom (KB ft)
9/1/1957	Surface Casing	8 6250	32 00		0	1,527
9/1/1957	Production Casing	5 5000			0	7,125

Casing Cement Summary						
Date	No Sx	OD (in)	ID (in)	Top (KB ft)	Bottom (KB ft)	
9/1/1957	698	12 0000	8 6250	0	1,527	
9/1/1957	625	7 8750	5 5000	3,160	7,125	

Tools/Problems Summary						
Date	Tool Type	OD (in)	ID (in)	Top (KB ft)	Bottom (KB ft)	
9/1/1957	FC	5 5000	0 0000	7,084		
4/18/2007	CIBP	5 5000	0 0000	6,950		

Cement Plug Summary						
Date	No Sx	OD (in)	Top (KB ft)	Bottom (KB ft)		
9/1/1957	0	5 5000	7,084	7,125		
4/18/2007	2	5 5000	6,930	6,950		

Perf Summary							
Date	Perf Status	Formation	Top (KB ft)	Bottom (KB ft)	SPF	Shots	Phasing
10/18/1957	Open	Drinkard	6,968	6,982			0
10/18/1957	Open	Drinkard	6,991	6,995			0
10/18/1957	Open	Drinkard	7,003	7,009			0
6/23/1962	Open	Drinkard	7,021	7,025			0
6/23/1962	Open	Drinkard	7,026	7,028			0
9/5/1979	Squeezed	Tubb	6,725	6,800			0
3/10/2005	Open	Paddock	5,946	6,055	4	440	0
4/18/2007	Open	Tubb	6,517	6,521	2	10	120
4/18/2007	Open	Tubb	6,618	6,622	2	10	120
4/18/2007	Open	Tubb	6,656	6,660	2	10	120
4/18/2007	Open	Tubb	6,733	6,737	2	10	120
4/18/2007	Open	Tubb	6,758	6,762	2	10	120

Completion History Summary		Date		Comments
		9/1/1957		Spud well
		10/18/1957		Complete well in Drinkard (D1) perforations
		6/23/1962		Complete well in Drinkard (D2) perforations Produced these perforations undear a packer, isolating the D1 perforations
		9/5/1979		Set CIBP at 6870' and perforate Tubb (T1) from 6725-6800' with 10 holes
		1/6/1981		Drill out CIBP at 6870' and clean out to 7040'
		3/15/2005		Set RBP at 6635' and cap w/ 2 sx sand Perforate Paddock (P1) perforations and produce from P1 perforations
		4/16/2007		Pull RBP at 6635' and run CNL and CIL from 5500-6950' Set CIBP at 6950' and cap w/ 2 sx cement Perforate Tubb (T2) perfs from 6517-6762' with 45 holes

Field Name			Lease Name		Well No.	County	State	API	GL (ft)	KB (ft)
House			Blankenship		2	Lea	New Mexico	30-025-07767	3557	3569
Sec.	Twp/Blk	Rng/Svy	Footage			Spud Date		Comp. Date	Prepared By	Last Updated
L-12	20S	38E	2075' FSL & 555' FWL from Section			9/1/1957		10/18/1957	Jeff Frederick	10/12/2009
Current Status										
Currently producing from Paddock and Tubb perforations Pending										

Detailed Summaries**Hole Summary**

Date	OD (in)	Top (KB ft)	Bottom (KB ft)	Comments
9/1/1957	12 0000	0	1,527	
9/1/1957	7 8750	1,527	7,125	

Tubular Summary

Date	Description	OD (in)	Wt (lb/ft)	Grade	Coupling	Top (KB ft)	Bottom (KB ft)	Comments
9/1/1957	Surface Casing	8 6250	32 00			0	1,527	
9/1/1957	Production Casing	5 5000				0	7,125	15 5/17#

Casing Cement Summary

Date	No Sx	OD (in)	ID (in)	Top (KB ft)	Bottom (KB ft)	Cement Description	Comments
9/1/1957	698	12 0000	8 6250	0	1,527	Circ to surface	
9/1/1957	625	7 8750	5 5000	3,160	7,125	TOC by TS	

Tools/Problems Summary

Date	Tool Type	OD (in)	ID (in)	Top (KB ft)	Bottom (KB ft)	Description	Comments
9/1/1957	FC	5 5000	0 0000	7,084			
4/18/2007	CIBP	5 5000	0 0000	6,950			

Cement Plug Summary

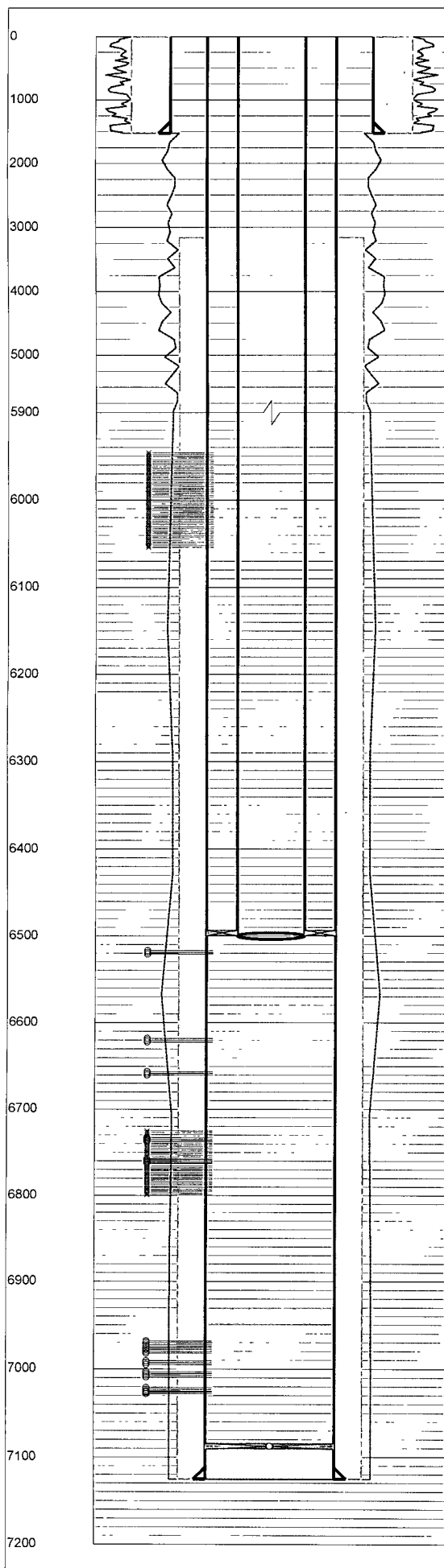
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9/1/1957	0	5 5000	7,084	7,125	Cmt in shoe jt
4/18/2007	2	5 5000	6,930	6,950	Cap CIBP

Perf Summary

Date	Perf Status	Formation	Top (KB ft)	Bottom (KB ft)	SPF	Shots	Phasing	Perf Comments	Interval Comments
10/18/1957	Open	Drinkard	6,968	6,982			0 D1		
10/18/1957	Open	Drinkard	6,991	6,995			0 D1		
10/18/1957	Open	Drinkard	7,003	7,009			0 D1		
6/23/1962	Open	Drinkard	7,021	7,025			0 D2		
6/23/1962	Open	Drinkard	7,026	7,028			0 D2		
9/5/1979	Squeezed	Tubb	6,725	6,800			0 T1		10 holes
3/10/2005	Open	Paddock	5,946	6,055	4	440	0 P1		198 holes
4/18/2007	Open	Tubb	6,517	6,521	2	10	120 T2		
4/18/2007	Open	Tubb	6,618	6,622	2	10	120 T2		
4/18/2007	Open	Tubb	6,656	6,660	2	10	120 T2		
4/18/2007	Open	Tubb	6,733	6,737	2	10	120 T2		
4/18/2007	Open	Tubb	6,758	6,762	2	10	120 T2		

Completion History Summary

Date	Comments
9/1/1957	Spud well
10/18/1957	Complete well in Drinkard (D1) perforations
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1/6/1981	Drill out CIBP at 6870' and clean out to 7040'
3/15/2005	Set RBP at 6635' and cap w/ 2 sx sand Perforate Paddock (P1) perforations and produce from P1 perforations
4/16/2007	Pull RBP at 6635' and run CNL and CIL from 5500-6950' Set CIBP at 6950' and cap w/ 2 sx cement Perforate Tubb (T2) perfs from 6517-6762' with 45 holes



PROPOSED COMPLETION

Last Updated: 10/12/2009 1:55:34 PM

Field Name			Lease Name		Well No.
House			Blankenship		2
County	State	API	GL (ft)	KB (ft)	
Lea	New Mexico	30-025-07767	3557	3569	
Sec.	Twp/Blk	Rng/Svy	Footage		
L-12	20S	38E	2075' FSL & 555' FWL from Section		
Spud Date		Comp Date	Prepared By	Last Updated	
9/1/1957		10/18/1957	Jeff Frederick	10/12/2009	

Current Status					
Currently producing from Paddock and Tubb perforations Pending					

Hole Summary					
Date	OD (in)	Top (KB ft)	Bottom (KB ft)	Comments	
9/1/1957	12 0000	0	1,527		
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Tubular Summary					
Date	Description	OD (in)	Wt (lb/ft)	Grade	Top (KB ft) Bottom (KB ft)
	Tubing	2 8750			0 6,500
9/1/1957	Surface Casing	8 6250	32 00		0 1,527
9/1/1957	Production Casing	5 5000			0 7,125

Casing Cement Summary					
Date	No Sx	OD (in)	ID (in)	Top (KB ft)	Bottom (KB ft)
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9/1/1957	625	7 8750	5 5000	3,160	7,125

Tools/Problems Summary					
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9/1/1957	FC	5 5000	0 0000	7,084	
4/18/2007	CIBP	5 5000	0 0000	6,950	

Cement Plug Summary					
Date	No Sx	OD (in)	Top (KB ft)	Bottom (KB ft)	
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L-12	20S	38E	2075' FSL & 555' FWL from Section	9/1/1957	10/18/1957	Jeff Frederick	10/12/2009
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Tubular Summary

Date	Description	OD (in)	Wt (lb/ft)	Grade	Coupling	Top (KB ft)	Bottom (KB ft)	Comments
	Tubing	2 8750				0	6,500	IPC
9/1/1957	Surface Casing	8 6250	32 00			0	1,527	
9/1/1957	Production Casing	5 5000				0	7,125	15 5/17#

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Date	Perf Status	Formation	Top (KB ft)	Bottom (KB ft)	SPF	Shots	Phasing	Perf Comments	Interval Comments
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10/18/1957	Open	Drinkard	7,003	7,009			0 D1		
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9/5/1979	Squeezed	Tubb	6,725	6,800			0 T1		10 holes
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District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-07767	² Pool Code 33250	³ Pool Name House; Drinkard
⁴ Property Code 303210	⁵ Property Name Blankenship	⁶ Well Number 002
⁷ OGRID No. 873	⁸ Operator Name Apache Corporation	⁹ Elevation 3557' GR

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	Lea	County
L	12	20S	38E		2075	South	555	West		

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. R-13176						

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.

¹⁶ 				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division Signature <u>S. Mackay</u> Date <u>10/13/2009</u> Printed Name <u>Sophie Mackay</u>
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 belief Date of Survey Signature and Seal of Professional Surveyor Certificate Number				

District I

1625 N. French Dr., Hobbs, NM 88241

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

RECEIVED

OCT 23 2009

HOBBSOCD

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-07767	² Pool Code 78760	³ Pool Name House; Tubb ✓
⁴ Property Code 303210	⁵ Property Name Blankenship	⁶ Well Number 002
⁷ OGRID No. 873	⁸ Operator Name Apache Corporation	⁹ Elevation 3557' GR

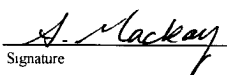
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	12	20S	38E		2075	South	555	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
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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.

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555				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 belief Date of Survey Signature and Seal of Professional Surveyor Certificate Number
2075				