

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
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FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATION	
PRODUCTION OFFICE	

Operator

SHELL WESTERN E&P INC.

Address

P.O. BOX 576, HOUSTON, TEXAS 77001 (WCK 4435)

Reason(s) for filing (Check proper box)

New Well

☐

Change in Transporter of:

Recompletion

☒

Oil

☐

Dry Gas

☐

Change in Ownership

☐

Casinghead Gas

☐

Condensate

☐

Other (Please explain)

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease N
STATE SECTION 2	11	WANTZ ABO	State, Federal or Fee STATE	
Location				
Unit Letter	L	3376 Feet From The	NORTH Line and	330 Feet From The
				WEST
Line of Section	2	Township	21-S	Range
				37-E, NMPM, LEA
				County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
SHELL PIPE LINE CORP.	P.O. BOX 1910, MIDLAND, TX 79701
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
TEXACO PRODUCING INC.	P.O. BOX 1137, EUNICE, NM 88231
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
T 2 21-S 37-E	YES 7-22-86

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil well <input checked="" type="checkbox"/> Gas well <input type="checkbox"/> New Well <input type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Seals Restv. <input type="checkbox"/> Drill Res <input type="checkbox"/>		
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
1-12-52	7-22-86	8015'	7612'
Elevations (DF, RAB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
3497' DF	WANTZ ABO	7083'	7059'
Perforations	Depth Casing Shoe		
7083' - 7256'	----		

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17-1/4"	13-3/8" (48#)	211'	250
11"	8-5/8" (32#)	3140'	400
7-7/8"	5-1/2" LNR	2930' - 8014'	850

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)


Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
7-22-86	8-05-86	PUMP	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
24 HRS	30	30	
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF
	16	4	18

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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.


A. J. FORE
SUPERVISOR REG. & PERMITTING
(Title)
AUGUST 18, 1986
(Date)

OIL CONSERVATION DIVISION

AUG 21 1986

APPROVED _____, 19 _____

BY Paul Kautz
Geologist

TITLE _____

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filled for each pool in multiple completed wells.

RECEIVED
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9-2-66
100-2-10-1

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. No. of Copies Received		2. Distribution		3. Santa Fe		4. File		5. U.S.G.S.		6. Land Office		7. Operator											
8. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>												9. TYPE OF COMPLETION NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>		10. Name of Operator SHELL WESTERN E&P INC. P.O. BOX 576, HOUSTON, TEXAS 77001 (WCK 4435)		11. State Oil & Gas Lease No. 11							
12. Location of Well NE 1/4 L LOCATED 3376 FEET FROM THE NORTH LINE AND 330 FEET FROM WEST LINE OF SEC. 2 TWP. 21-S RGE. 37-E NMPM												13. County LEA		14. Field and Pool, or Wildcat WANTZ ABO									
15. Date Spudded 1-12-52		16. Date T.D. Reached 3-02-52		17. Date Compl. (Ready to Prod.) 7-22-86		18. Elevations (DF, RKB, RT, GR, etc.) 3497' DF		19. Elev. Casinghead -----		20. Total Depth 8015'		21. Plug Back T.D. 7612'		22. If Multiple Compl., How Many -----		23. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/> Cable Tools <input type="checkbox"/>							
24. Producing Interval(s), of this completion - Top, Bottom, Name 7083' - 7256' (WANTZ ABO)												25. Was Directional Survey Made NO		26. Type Electric and Other Logs Run TEMP SURVEY		27. Was Well Cored NO							
28. CASING RECORD (Report all strings set in well)																							
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED													
13-3/8"		48#		211'		17-1/4"		250 SX		----													
8-5/8"		32#		3140'		11"		400 SX		----													
29. LINER RECORD																30. TUBING RECORD							
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET									
5-1/2"		2930'		8014'		850		----		2"		7059'		-----									
31. Perforation Record (Interval, size and number) 7083' - 7256' (4 JSPF, 196 holes)								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.															
								DEPTH INTERVAL								AMOUNT AND KIND MATERIAL USED							
								7698' - 7984'								SQZD W/125 SX CLS C CMT							
								7083' - 7256'								ACID FRAC'D W/30,000 GALS 28% HCL + 30,000 GALS HI-VISCOUS + 10,000 GALS LO-VISCOUS FLUID							
33. PRODUCTION																							
Date First Production 7-22-86		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING 2" X 1 1/2" X 16' HIGHLAND								Well Status (Prod. or Shut-in) PRODUCING													
Date of Test 8-05-86		Hours Tested 24		Choke Size		Prod'n. For Test Period 16		Oil - Bbl. 18		Gas - MCF 4		Water - Bbl. 1125		Gas - Oil Ratio									
Flow Tubing Press.		Casing Pressure 30		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API (Corr.) 39.4											
34. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD												Test Witnessed By											
35. List of Attachments C-104(5), C-103(3), C-102(3)																							
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.																							

SIGNED E. Curtis for A. J. FORETITLE SUPERVISOR REG. & PERMITTING DATE AUGUST 18, 1986

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____ 7499'	T. Gallup _____	T. Ignacio Qtzte _____
T. Gorieta _____ 5303'	T. McKee _____ 7661'	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____ 8003'	T. Dakota _____	T. _____
T. Blinberry _____ 5765'	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____ 6243'	T. Granite _____	T. Todillo _____	T. _____
T. Drinkard _____ 6576'	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 7048'	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____	feet _____
No. 2, from _____ to _____	feet _____
No. 3, from _____ to _____	feet _____
No. 4, from _____ to _____	feet _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	3153	3153	RED BEDS, ANHYDRITE, SALT & DOLOMITE				
3153	7528	4375	DOLOMITE				
7528	8015	487	LIME, SHALE & SAND				

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. CIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator SHELL WESTERN E&P INC.		8. Form or Lease Name STATE SECTION 2
3. Address of Operator P.O. BOX 576, HOUSTON, TEXAS 77001 (WCK 4435)		9. Well No. 11
4. Location of Well UNIT LETTER <u>L</u> <u>3376</u> FEET FROM THE <u>NORTH</u> LINE AND <u>330</u> FEET FROM THE <u>WEST</u> LINE, SECTION <u>2</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> N.M.P.M.		10. Field and Pool, or Wildcat WANTZ ABO
15. Elevation (Show whether DF, RT, GR, etc.) 3497' DF		12. County LEA

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data.

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
		OTHER <u>SOZD HARE SIMPSON & RECOMPLETED TO</u> <input checked="" type="checkbox"/> <u>WANTZ ABO</u>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work; SEE RULE 1103.

7-14-86: Pulled production equipment.

7-15-86: Set cmt retainer @ 7612'. Sqzd Hare Simpson 7698' - 7984' w/50 sx Cls C cmt + .3% Halad-9 followed by 75 sx Cls C cmt.

7-16-86: Spotted 350 gals 15% HCl from 7300' to 6950'. Perf'd Wantz Abo 7083' - 7256' (196 holes, 4 JSPF).

7-17-86: Acid frac'd Wantz Abo perms 7083' - 7256' w/30,000 gals 28% HCl + 30,000 gals hi-viscous + 10,000 gals lo-viscous fluid + 12,500# 100 mesh sand. Ran temp survey.

7-22-86: Installed production equipment and returned well to production.

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

Signed by A. J. FORE TITLE SUPERVISOR REG. & PERMITTING DATE AUGUST 18, 1986
Orig. Signed by Paul Kautz Geologist
APPROVED BY Paul Kautz TITLE Geologist DATE AUG 21 1986

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HCBBS OFFICE

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OPERATOR	

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name STATE SECTION 2
2. Name of Operator SHELL WESTERN E&P INC.		9. Well No. 11
3. Address of Operator P.O. BOX 576, HOUSTON, TEXAS 77001 (WCK 4435)		10. Field and Pool, or Wildcat WANTZ ABO
4. Location of Well UNIT LETTER L LOCATED 3376 FEET FROM THE NORTH LINE 330 FEET FROM THE WEST LINE OF SEC. 2 TWP. 21-S RGE. 37-E NMPM		12. County LEA
19. Proposed Depth 8015' (TD)		19A. Formation WANTZ ABO
20. Retray or C.T. ----		
21. Elevations (show whether DF, RT, etc.) 3497' DF	21A. Kind & Status Plug. Bond BLANKET	21B. Drilling Contractor WORKOVER RIG
22. Approx. Date Work will start UPON APPROVAL		

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/4"	13-3/8"	48#	211'	250 SX	SURFACE
11"	8-5/8"	32#	3140'	400 SX	SURFACE
7-7/8"	5-1/2" (LINER)	15.5, 17#	2930' - 8014'	850 SX	3400'

WE PROPOSE TO ABANDON THE HARE SIMPSON AND RECOMPLETE TO THE WANTZ ABO.

1. Pull production equipment.
2. Set cmt retainer @ $\pm 7600'$. Sgz Hare Simpson perms 7698' - 7850' & 7958' - 7984' w/100 sx Class "C" cmt + .3% Halad-9 followed by 100 sx Class "C" cmt + 2% CaCl_2 .
3. Spot 300 gals 20% HCl from 7300' to 7000'.
4. Perf Wantz Abo 7083' - 7256' (196 holes, 4 JSPF).
5. Run base temp survey from PBD to 6900'.
6. Acid frac Wantz Abo 7083' - 7256' w/30,000 gals 28% HCl + 30,000 gals viscous fluid + 10,000 gals non-viscous fluid.
7. Run temp survey from PBD to 6900'.
8. SI well at least 48 hrs.
9. Install production equipment and return well to production.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed J. Curtis for A. J. FORE Title SUPERVISOR REG. & PERMITTING Date JULY 9, 1986
(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT I SUPERVISOR TITLE DATE JUL 14 1986

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section.

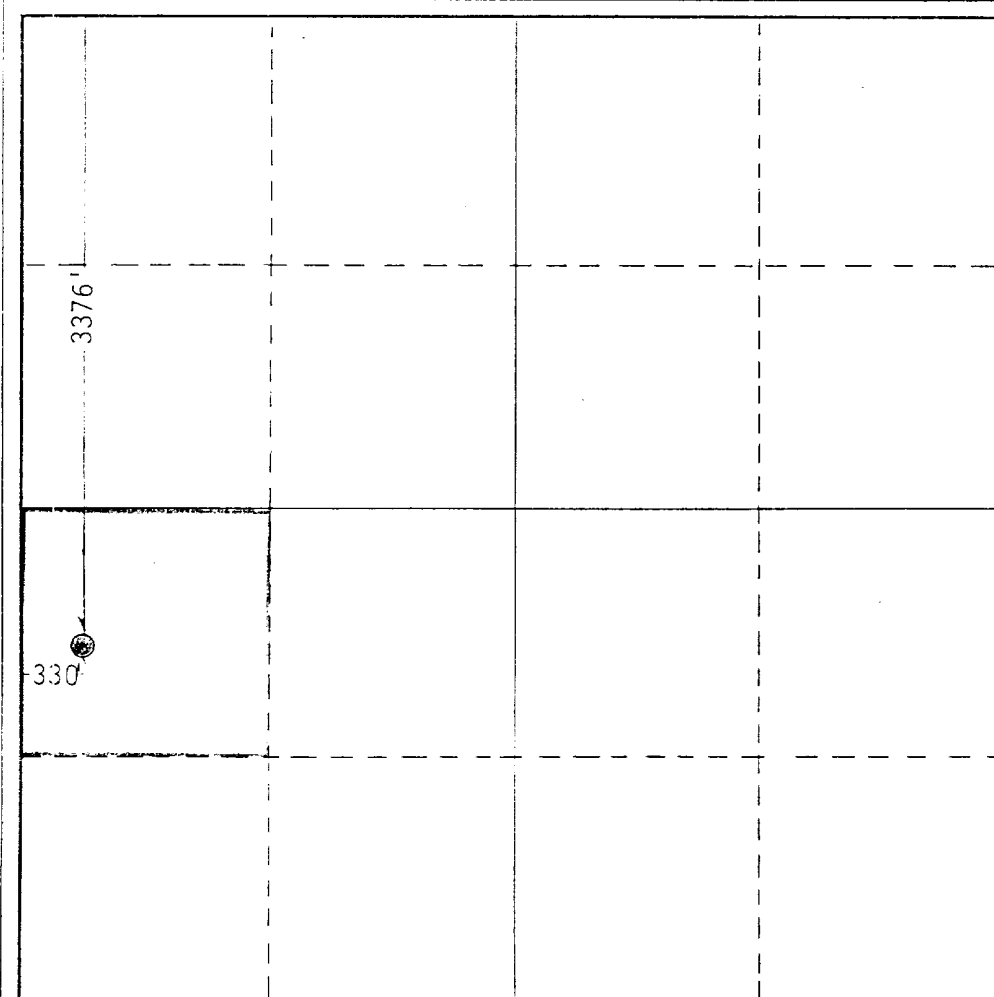
Operator SHELL WESTERN E&P INC.			Lease STATE SECTION 2		Well No. 11
Unit Letter L	Section 2	Township 21-S	Range 37-E	County LEA	
Actual Footage Location of Well:					
3376 feet from the NORTH line and		330 feet from the WEST line			
Ground Level Elev. 3497' DF	Producing Formation WANTZ ABO	Pool WANTZ ABO		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

A. J. Fore
Name

A. J. FORE

Position

REGULATORY & PERMITTING

Company

SHELL WESTERN E&P INC.

Date

JULY 9, 1986

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

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0